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Site Characterization Report

Silvestri Dry Cleaners

Site No. 401084

RAMBOLL

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Site Characterization Report
Silvestri Dry Cleaners

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List of Acronyms and Abbreviations

ACM	asbestos containing materials
AMSL	above mean sea level
CAMP	Community Air Monitoring Program
CDCE	cis-1,2-dichloroethene
COCs	constituents of concern
DUSR	data usability summary report
EC	electric conductivity
ECD	electron capture detector
FID	flame ionization detector
Ft amsl	feet above mean sea level
Ft bg	feet below grade
GeoView	GeoView, Inc.
HDPE	high-density polyethylene
HPT	hydraulic profiling tool
IDW	Investigation derived waste
Mg/kg	Milligrams per kilograms
MIP	membrane interface probe
Ng/L	nanograms per liter
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOL	New York State Department of Labor
PACM	presumed asbestos containing materials
PCBs	polychlorinated biphenyls
PCE	tetrachloroethene
PFAS	per- and polyfluoroalkyl substances
PFOA	perfluorooctanoic acid
PFOS	perfluorooctanesulfonic acid
PID	photoionization detector
POGW	Protection of Groundwater
PVC	Polyvinyl Chloride
Ramboll	Ramboll Americas Engineering Solutions, Inc.
SC	Site Characterization
SCOs	Soil Cleanup Objectives

SGVs	Standards and Guidance Values
SOW	scope of work
SVOCs	semi-volatile organic compounds
TCE	trichloroethene
TCL	target compound list
TCLP	Toxicity Characteristic Leaching Procedure
µg/m3	micrograms per cubic meter
µg/L	micrograms per liter
VOCs	volatile organic compounds
XSD	halogen-specific detector

1. Introduction

The Site Characterization (SC) of the Silvestri Dry Cleaners (Site No. 401084), located on Fuller Road in the Town of Colonie, New York (**Figure 1**), was conducted by Ramboll Americas Engineering Solutions, Inc. (Ramboll) for the New York State Department of Environmental Conservation (NYSDEC). Work was performed under Engineering Services Standby Contract Work Assignment #D009810-37, in accordance with the Scope of Work (SOW) approved by NYSDEC on March 18, 2024. Characterization activities were conducted between March 13, 2024 and March 13, 2025.

1.1 Location

The Silvestri Dry Cleaners (Site) is located at 69 Fuller Road in the Town of Colonie, and County of Albany, New York. The Site is approximately 0.37 acres in size. The Site is bound by Fuller Road to the south and commercial properties to the north, east, and west. The area of focus identified for the site investigation activities included the Site proper and the nearest occupied retail/industrial building, west of the Site.

1.2 Site Features

The Site is relatively flat and is occupied by one, two-story commercial building, with paved parking areas on the front, rear, and west side of the building. The first floor of the building was constructed with an overhead door on the north side and contained dry-cleaning and equipment that were identified as abandoned. The Site and surrounding area are served by a public water supply. Site features, tax parcels, and locations relevant to the SC (monitoring wells, sampling locations, etc.) are shown on **Figure 2**.

1.3 Site History

A dry-cleaning business operated on the first floor of the building from 1956 to 2019. A dance studio occupied the second floor of the building and is currently closed.

1.4 Previous Investigations

A Site Assessment was conducted at the Site by Hennessy Engineering and Consulting in December 2021. The Site Assessment included collection of soil and sub-slab vapor samples, and installation and sampling of three temporary overburden monitoring wells (PES-1 through PES-3).[1] Samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals. Results indicated the presence of chlorinated VOCs typically used in the dry-cleaning process in both soil vapor and groundwater. Specifically, tetrachloroethene (PCE), trichloroethene (TCE) and cis-1,2-dichloroethene (cis-1,2 DCE) were identified in the soil vapor and groundwater, with concentrations greater than New York State Department of Health (NYSDOH) guidance values and NYSDEC groundwater standards, respectively. The Site Assessment is provided in **Exhibit A**.

1.5 Current Zoning and Property Owner

The Site is zoned in an industrial location with an office building structure (Code 464) property class. The property is owned by AMA Capital Region LLC.

[1] These three temporary monitoring wells are still present at the Site.

1.6 Project Objectives

The objective of the SC investigation was to evaluate the presence of chlorinated solvents and other potential constituents of concern (COCs) at the Site and assess their potential migration pathways. Characterization activities included the evaluation of groundwater, soil, and soil gas and soil vapor in the area of focus.

2. Site Investigation Methods and Summary

The following sections summarize the characterization activities performed at the Site as part of the SC. Unless otherwise noted, activities were conducted in accordance with the SOW. Additionally, samples collected for PFAS analysis were collected in accordance with the April 2023 *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances* technical guidance document (NYSDEC, 2023). The activities in the scope of work were:

- Utility clearance
- Subsurface delineation
- Well installation
- Well development
- Monitoring well groundwater sampling
- Vapor intrusion sampling
- Location and elevation survey
- Decontamination
- Investigation derived waste (IDW) management
- Sample analysis data review
- Reporting

2.1 Site Visit

In March 2024, NYSDEC obtained access to the Site and the building from the current property owner. On March 13, 2024, Ramboll conducted a Site visit to assess the interior conditions of the first floor of the building and catalog the equipment and/or containers potentially containing dry-cleaning chemicals previously documented as abandoned at the Site.

During the Site visit, the building was undergoing renovation by the current property owner. Specifically, the abandoned equipment/containers had been removed and floor tile, mastic, and leveling compounds were in the process of being removed, as evidenced by sporadic piles of debris observed on the building floor.

Per 12 NYCRR 56-1.5:

"If there is an incidental disturbance or other disturbance (not as part of a controlled asbestos project) of ACM, PACM [presumed asbestos containing materials], asbestos material, or suspect miscellaneous ACM assumed to be ACM at a building or structure, upon discovery of the disturbance, the property owner shall be responsible for contracting with a licensed asbestos contractor for immediate isolation of the disturbance and cleanup in accordance with all provisions of this Part."

On March 26, 2024, based on the conditions observed inside the building, NYSDEC requested that subsequent characterization activities be limited to outside of the building. As a result, the

proposed vapor intrusion samples inside the building were replaced with soil gas samples in the parking lot, near the building footprint. In addition, the proposed soil borings/monitoring wells inside the building were not installed during the SC.

2.2 Utility Location

Prior to initiating intrusive activities, the presence of subsurface utilities and potential subsurface structures and/or anomalies at the Site were identified using ground penetrating radar (GPR) and other electromagnetic instrumentation. The survey was performed on April 16, 2024 by GeoView, Inc. (GeoView) with oversight from Ramboll personnel.

In addition, UDig NY was contacted by the drilling subcontractor, Cascade Remediation Services, LLC (Cascade), to identify the locations of utilities on public rights of way prior to initiating their subsurface activities.

2.3 Direct-Sensing Profiling and Soil Borings

2.3.1 Direct-Sensing Profiling

Direct-sensing profiling was performed by Cascade under supervision of Ramboll personnel from April 30 through May 3, 2024 at 13 locations (DS-01 through DS-13) as shown on **Figure 2**. Direct-sensing profiling was completed using direct-push drilling techniques and a combined membrane interface probe (MIP), electrical conductivity (EC) sensor, and hydraulic profiling tool (HPT).

Direct-sensing was performed to develop a semi-quantitative characterization of subsurface conditions in real time. The integrated MIP and HPT (hereafter referred to as MiHPT) was performed to characterize VOCs in the subsurface and create a hydrostratigraphic log to identify potential zones of interest for subsequent sample collection and transmissive zones. The MiHPT system was configured with a flame ionization detector (FID), photoionization detector (PID), halogen-specific detector (XSD), and electron capture detector (ECD). Detector output responses were measured in microvolts (µV). The FID and PID detect total VOCs, with the PID being more sensitive to aromatic hydrocarbon compounds. The XSD and ECD are sensitive to chlorinated compounds. The greater the response from the detector can be an indication of greater VOC concentrations in the subsurface.

An EC sensor was also integrated with the MiHPT probe and provided a continuous log of soil conductivity with depth to identify variations in subsurface stratigraphy. In general, EC responses are inversely proportional to grain size; with higher EC values corresponding to small grained sized particles (e.g., silt and clay) and low EC values corresponding to coarse grain sizes (e.g., sand and gravel). The integrated HPT system continuously measures pressure response to the constant injection of water as the MiHPT probe is advanced through the subsurface. Lower injection pressure corresponds to higher permeability while higher injection pressure indicates a lower permeability. Dissipation tests were performed as the probe advanced to estimate the depth of the water table and provide estimates of hydraulic conductivity.

Response testing was completed prior to advancing the MiHPT probe and after logging was completed at each location to evaluate quality and validity of the data collected by the integrated system. Response testing provides an observable indication that the MiHPT detectors adequately

respond to the necessary calibrations to perform the work activities. Plots of EC, detectors, HPT pressure and flow rate, and estimated water table and hydraulic conductivity data are provided in **Appendix A**.

Following completion of the work activities, each location was tremie grouted through the casing from the terminal depth of the boring to the surface and properly restored to pre-existing conditions utilizing asphalt cold patch.

During the direct-sensing profiling, real-time air monitoring was performed upwind and downwind of the immediate work area. A PID was used to monitor total organic vapor concentrations while an aerosol monitor was used to monitor particulates. No exceedances of VOC or particulate action levels were observed during the direct-sensing profiling.

2.3.2 Soil Borings

Based on the results of the direct-sensing profiling, four soil borings were advanced at the Site to assess the presence and nature of COCs in subsurface soils. To avoid collecting soils that may have been affected by the direct-sensing profiling, the soil borings were advanced no closer than 3 feet from the MiHPT borings. Soil borings were advanced by Cascade under the supervision of a Ramboll geologist from May 6 through May 8, 2024. The soil boring locations are presented on **Figure 2**.

Soil borings were advanced using a Macro-Core® system lined with acetate sleeves to allow for collection of continuous soil samples. The sampler and direct-push tooling was advanced with a track-mounted, direct-push drilling rig. Upon retrieval, each soil sample was described for: 1) percent recovery; 2) soil type; 3) color; 4) moisture content; 5) texture; 6) grain size and shape; 7) consistency; 8) evidence of staining or other chemically-related impacts; and 9) any other relevant observations. In addition, soils were screened with a PID to allow evaluation of the bulk volatile organic concentration of each soil sample. Soil boring logs are provided in **Appendix B**. Soil cuttings, decontamination water, and personal protective equipment were containerized in Department of Transportation (DOT)-approved 55-gallon steel drums at the Site for characterization and proper disposal.

During the advancement of soil borings, real-time air monitoring was performed upwind and downwind of the immediate work area. No exceedances of VOC or particulate action levels were observed during the soil boring advancement.

2.4 Monitoring Well Installation

Three overburden monitoring wells were installed at the Site (MW-01, MW-02, and MW-03) between May 6 and 10, 2024. **Figure 2** shows monitoring well locations, and the following subsections summarize the activities performed for monitoring well installation.

During well installation activities, real-time air monitoring was performed upwind and downwind of the immediate work area. No exceedances of VOC or particulate action levels were observed during the monitoring well installation.

Monitoring wells were drilled utilizing 6.25-inch outside diameter, hollow stem augers and were constructed with either 15-feet (MW-01) or 20-feet (MW-02 and MW-03) of 1-inch diameter,

0.010-inch slotted polyvinyl chloride (PVC) well screen, flush-threaded to appropriate lengths of 1-inch diameter PVC riser necessary to bring the top of the well to grade. The wells were supplied with expandable j-plugs. The well heads were completed with 4-inch diameter, bolt-down, water-tight traffic rated flush-mount road boxes. The road boxes were set in an approximately 1-foot diameter concrete well pad, flush to existing grade. Well construction logs are provided in **Appendix C.** Existing and newly installed well construction details are summarized in **Table 1**.

2.4.1 Monitoring Well Development

The three newly installed monitoring wells and two of the three existing wells were developed between May 23 and 24, 2024[2]. Development was performed using a dedicated foot valve and high-density polyethylene (HDPE) tubing to remove fine-grained material that may have settled within the well and improve hydraulic communication with the surrounding formation. A minimum of five, and up to fifteen, well volumes was purged from each well. The depth to water and well depth was measured and recorded prior to the start of development. Well development was deemed complete once the purge water was visually observed to be clear. Well development logs are provided in **Appendix D**. The purge water was containerized a DOT-approved 55-gallon steel drum at the Site for characterization and proper disposal.

2.5 SC Sampling

Soil gas, soil, groundwater, and soil vapor intrusion samples were collected during the SC. Sample locations are shown on **Figure 2**. Media sampling logs are provided in **Appendix E**. The following subsections summarize the samples collected and associated analyses.

2.5.1 Soil Gas Sampling

As discussed in **Section 2.1**, the proposed vapor intrusion sampling inside the building was substituted with soil gas sampling in the parking lot, near the footprint of the building. Soil gas locations were selected in consultation with NYSDEC.

Temporary soil vapor points were drilled and installed at two locations (SGMP-1 and SGMP-2), as shown on **Figure 2**. Soil vapor points were installed by Ramboll personnel on April 18, 2024, utilizing a hammer drill and closed stem auger. Soil vapor points were constructed of 1-inch long stainless steel braided screen implant probes attached to HDPE tubing, installed above the water table, approximately one-to-two feet below grade, to represent the conditions of the proposed vapor intrusion sampling inside the building. The annular space around the probe and braid screen was filled with 60-100 mesh glass beads to approximately half a foot below grade. A surface seal of elastic sealant compound was placed above the glass beads to prevent ambient air infiltration.

Prior to sample collection, helium gas tracer testing was conducted to assess the integrity of each sampling point. No integrity issues were observed during the testing. Each soil vapor point sample (and associated blind duplicate sample) and ambient air sample were collected on April 18, 2024. Soil vapor samples were collected in 6-liter batch-certified SUMMA® canisters and the ambient air sample was collected in an individually- certified 6-liter SUMMA® canister. The samples were collected over a nominal 8-hour integrated sample period at a flow rate not exceeding 200 milliliters per minute in accordance with *NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH VI Guidance; NYSDOH, 2006). Samples were

[2] Existing well PES-1 was filled with sediment and therefore not viable for use in the SC.

submitted to Eurofins Environment Testing in South Burlington, Vermont and were analyzed for VOCs by United States Environmental Protection Agency (USEPA) Method TO-15.

Once sampling was complete, the soil vapor probes, screen assemblies, and HDPE tubing were removed from the points. The temporary points were filled with granular bentonite and sealed using asphalt cold patch to restore the surface to pre-existing conditions.

2.5.2 Subsurface Soil Sampling

Twelve subsurface soil samples (with associated quality control samples) were collected from four soil borings between May 6 and 8, 2024; SB-01, SB-07, SB-09, and SB-11. Sample depths were based on MIP responses in the adjacent direct-sensing locations and the physical observations noted during logging (i.e., PID responses, odors, etc.). Sample depth intervals ranged from 4.5 to 5.0 feet below ground surface (feet bgs) at SB-09 and SB-11 to 45.0 to 45.5 feet bgs at SB-07. Soil samples were collected from dedicated acetate sleeves advanced by the direct-push Macro-Core® sampler. Samples were submitted to Eurofins Environment Testing in Buffalo in Amherst, New York for VOC analysis by USEPA Method 8260C. Additionally, three samples were also analyzed for SVOCs including 1,4-Dioxane by USEPA Method 8270D, PCBs by USEPA Method 8082A, pesticides by USEPA Method 8081B, metals by USEPA Method 6010D, mercury by USEPA Method 7471B, total cyanide by USEPA Method 9012B, and PFAS by USEPA Method 1633. The PFAS samples were analyzed by Eurofins Environment Testing in Arvada, Colorado.

2.5.3 Groundwater Sampling

Five groundwater samples were collected from the three newly installed monitoring wells (MW-01, MW-02, and MW-03) and the two existing, accessible monitoring wells (PES-2 and PES-3) on July 17 and 18, 2024. The depth to water and total depth of each well were measured and recorded using an electronic water level indicator with an accuracy of 0.01 feet prior to performing purging activities. The monitoring wells were purged with peristaltic pumps and dedicated HDPE tubing using conventional purging techniques. Groundwater samples were collected with dedicated HDPE bailers. Three well volumes were removed from each of the five monitoring wells prior to collection of groundwater samples. Field parameters, temperature (degrees Celsius), pH (standard units), specific conductance (millisiemens per centimeter), and turbidity (nephelometric turbidity units), were recorded after each well volume was removed. Purge water generated was containerized in a DOT-approved 55-gallon drum and staged at the Site. Samples were submitted to Eurofins Environment Testing in Amherst, New York for VOC analysis by USEPA Method 8260C. Additionally, samples collected from MW-1, MW-3, and PES-2 were also analyzed for SVOCs including 1,4-Dioxane by USEPA Method 8270D, PCBs by USEPA Method 8082A, pesticides by USEPA Method 8081B, metals by USEPA Method 6010D, mercury by USEPA Method 7470A, total cyanide by USEPA Method 9012B, and PFAS by USEPA Method 1633. PFAS samples were analyzed by Eurofins Environment Testing in Arvada, Colorado.

2.5.4 Vapor Intrusion Sampling

On January 7 and 8, 2025, sub-slab and indoor air vapor intrusion sampling was conducted at the occupied building located west of the Site. Two indoor air samples (one in the basement and one in the shop area), one ambient air sample, along with one sub-slab sample were collected in the basement. The indoor air and ambient air samples were collected in 6-liter, individually-certified 6-liter SUMMA® canisters. The sub-slab sample was collected in a 6-liter, batch-certified SUMMA® canister. The samples were collected over an 8-hour integrated sample period. Vapor

intrusion sampling was performed consistent with NYSDOH VI Guidance. Prior to sample collection, helium tracer gas testing was conducted to assess the integrity of the sub-slab sampling point. No integrity issues were observed. Vapor intrusion samples were submitted to Eurofins Environment Testing in South Burlington, Vermont and analyzed for VOCs by USEPA Method TO-15.

2.5.5 Basement Sump Sampling

One grab water sample was collected on January 8, 2025, from the sump observed in the basement of the building located adjacent to the Site. The sample was submitted to Eurofins Environment Testing in Amherst, New York for VOC analysis by USEPA Method 8260C.

2.5.6 Waste Characterization Sampling

IDW, including decontamination rinsates, soil cuttings, and purge water, were placed in DOT-approved 55-gallon steel drums and staged at the northern end of the Site and consisted of the following:

• Four 55-gallon drums of soil from soil boring and monitoring well installations.
• One 55-gallon drum of purge water from monitoring well development and groundwater sampling.

Two composite waste characterization samples were collected on March 18, 2025, from the IDW drums staged at the Site. These samples were submitted to Eurofins Environment Testing in Amherst, New York, for analysis of the following:

Water Sample:

- VOC analysis by USEPA Method 8260C
- SVOC analysis by USEPA Method 8270D
- Cyanide and sulfide reactivity by USEPA Methods 9012/9034
- Ignitability analysis by USEPA Method 1010A
- pH corrosivity analysis by USEPA Method 9040C

Soil Sample:

- Toxicity characteristic leaching procedure (TCLP) and target compound list (TCL) VOC analysis by USEPA Methods 1311/8260C
- TCLP/TCL SVOC analysis by USEPA Methods 1311/8270D
- TCLP/TCL pesticides analysis by USEPA Methods 1311/8081B
- TCLP/TCL herbicides analysis by USEPA Methods 1311/8151
- TCLP/TCL metals analyses by USEPA Methods 1311/6010C
- TCL PCB analysis by USEPA Method 8082A
- TCLP/TCL mercury analysis by USEPA Method 7470A
- Total cyanide analysis by USEPA Method 9012B
- Cyanide and sulfide reactivity by USEPA Methods 9012/9034
- Ignitability analysis by USEPA Method 1010A
- pH corrosivity analysis by USEPA Method 9045D

Pending the sample results of the water and soil samples, the waste will be profiled and transported by an authorized waste hauler from the Site for proper disposal.

2.6 Data Validation

Analytical laboratory data, except for soil gas and waste characterization sample results, were validated in accordance with the Quality Assurance Project Plan (Ramboll, 2024). A data usability summary report (DUSR) conforming to Appendix 2B of DER-10 was prepared by the validator. Data were deemed usable with appropriate qualification. Data validation reports are provided in **Appendix F**.

2.7 Survey

Surveying was completed by Ryan Biggs | Clark Davis Engineering and Surveying, D.P.C. (RBCD) on May 28, 2024, to establish the following:

- Location and elevations (ground elevation) for the 12 direct-sensing locations
- Location and elevations (ground elevation) for the four soil borings
- Location and elevation (ground elevation) for the two soil gas sampling locations
- Location and elevations (top of casing and ground elevation) for the three newly installed monitoring wells, and two existing monitoring wells.

The horizontal datum was referenced to the North American Datum of 1983 (NAD 83), New York State Plane Coordinate System Eastern Zone. The vertical datum was referenced to North American Vertical Datum of 1988 (NAVD 88). Since preparation of the original survey map, the RBCD survey department was discontinued and subsequently unable to provide revisions. Ramboll updated the survey with a correction in June 2026. The stamped survey map and corrected survey map are included in **Appendix G**.

2.8 Investigation Derived Waste Management

The contents of the IDW drums were characterized for waste profile generation. A contained in request will be submitted to NYSDEC for approval. Following the generation of waste profiles, IDW generated during the SC will be transported and disposed of off-Site in accordance with applicable local, state, and federal regulations.

3. Geology and Hydrogeology

3.1 Geology

3.1.1 Overburden Geology

The Site surface topography slopes gently from the northwest to the southwest.

Subsurface soils were evaluated using the direct-sensing profiling and drilling associated with subsurface soil sampling and monitoring well installation. The direct-sensing profiling was completed to approximately 53 ft bgs and provided semi-quantitative data. The four soil borings were drilled to approximately 50 feet bgs. Subsurface soils encountered consist of light-medium-dark brown sand to silty sand, with lesser amounts of fine silt and/or fine gravel overlying a blue gray, dense silty clay. The silty clay was encountered at the four soil boring locations (SB-01, SB-07, SB-09, and SB-11) at depths ranging from approximately 40 to 45 feet bgs. Thicker intervals

of silty clay are likely present at SB-07 and SB-11; however the thicknesses were unable to be confirmed visually in the subsurface soil cores.[3] The thickest portions were encountered on the western and southwestern side (DS-10 through DS-12; see **Figure 2**), with a maximum thickness of 12.1 feet, observed at SB-11 (collocated with DS-11). The silty clay layer is thinner (approximately 3 to 7.5 feet thick) on the northern and eastern sides of the Site (DS-01 through DS-06; see **Figure 2**), and did not appear to be present at DS-03. At SB-1 and SB-9, a gray to dark-gray silty fine sand was observed below the confining layer.

3.1.2 Bedrock Geology

Bedrock was not encountered during the SC activities which extended to 53 ft bgs, nor was it encountered during the prior investigations performed at the Site. The bedrock geology underlying the study area is composed of sedimentary rocks (shales and sandstones) typical of the Hudson-Mohawk Lowlands (Fisher, 2006).

3.2 Hydrogeology

One round of synoptic groundwater levels was measured as part of the investigation. The groundwater levels were converted to groundwater elevations and are tabulated on **Table 2.** Groundwater elevations in the overburden unit range from approximately 251.59 feet above mean sea level (AMSL) at monitoring well MW-01, located on the north-northeast side of the two-story commercial building, to approximately 248.61 feet AMSL at monitoring well MW-02, located on the southwest side of Site on the corner of Warehouse Row and Fuller Road.

A groundwater contour map using groundwater elevations collected on July 27, 2024 is provided on Figure 3. The groundwater elevations suggest groundwater flow in the overburden is to the south-southwest. The average horizontal hydraulic gradient in the overburden was calculated to be 0.0272 feet per feet (ft/ft).

4. Nature and Extent of Contamination

This section presents the SC results. Results include a summary of the direct-sensing results and comparison of detected constituent concentrations in sampled media to applicable New York State standards and guidance values (SGVs) to identify potential Site-related COCs.

4.1 Direct-Sensing Profiling Results

During the direct sensing profiling, ECD and XSD detector responses[4] were observed at direct-sensing locations DS-07, DS-08, DS-09, DS-10, DS-11, DS-12, and DS-13. These seven locations are on the south, southwest, and western side of the building. Elevated ECD and XSD responses (i.e., ECD responses at or above E+07 µV and XSD responses at or above E+06 µV) can indicate the potential presence of chlorinated VOCs, specifically PCE, TCE, and cis-1,2 DCE compounds, in the subsurface. Elevated ECD responses were observed in:

- DS-07 at approximately 21.0 feet bgs

[3] Soil samples were not recovered from the 40.0 to 45.0 and 45.0 to 50.0 feet bgs intervals at locations SB-07 and SB-11, respectively. These intervals likely consisted of silty clay when compared to the direct-sensing profile logs.

[4] For the purposes of this discussion, a summary of the detector responses will be presented for the ECD and XSD detectors, which are correlated to chlorinated solvents versus the PID and FID detectors, which are correlated to the potential presence of total VOCs and aromatic hydrocarbons.

- DS-08 at multiple intervals
- DS-09 at approximately 12.0 to 14.0, 20.0 to 23.0, and 32.0 to 37.0 feet bgs
- DS-10 at approximately 7.5, 11.5, and 21.0 to 23.0 feet bgs
- DS-11 at 7.0 to 12.0, 18.0 to 25.0, and 42.5 to 45.0 feet bgs
- DS-12 at 8.0 to 9.0 feet bgs in DS-12
- DS-13 at 7.0 to 9.0 feet bgs

Elevated XSD responses were observed at approximately 45.5 to 48.0 feet bgs in DS-11.

Based on the results of the ECD and XSD detectors, the EC results, and the historical Site data (i.e., data generated from the existing monitoring well network, historic groundwater samples, etc.), subsequent soil borings and depth intervals were selected in consultation with NYSDEC on May 3, 2024. The four soil borings were co-located with DS-01, DS-07, DS-09, and DS-11. The direct-sensing profiling locations and co-located soil borings are shown on **Figure 2**.

4.2 Sample Results

Laboratory analytical reports are provided in **Appendix H**. Analytical results for each media were compared to the following criteria for screening purposes:

- Constituents detected in soil vapor and indoor air are compared to NYSDOH VI Guidance and subsequent updates to the soil vapor/indoor air decision matrices (NYSDOH, 2024).
- Concentrations of detected soil constituents are compared to *6 NYCRR Part 375* Unrestricted Use Soil Cleanup Objectives (SCOs), Commercial Use SCOs, and to Protection of Groundwater (POGW) SCOs for constituents that are also detected in groundwater (NYSDEC, 2006).
- Detections of constituents in groundwater are compared to NYSDEC SGVs for Class GA groundwater compiled in *Technical and Operational Guidance Series (TOGS) 1.1.1* and subsequent amendments (NYSDEC, 1998).

For perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) analyses only, concentrations of detected constituents in soil samples are compared to the Unrestricted SCOs, Commercial SCOs, and POGW SCOs as presented in *Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances technical guidance document* (NYSDEC, 2023). Detections in groundwater are compared to Class GA groundwater SGVs.

4.2.1 Soil Gas Sample Results

Two soil gas samples (SGMP-1 and SGMP-2) and one ambient air sample were collected near the building footprint and at an upwind location, respectively, at the Site. New York State does not have screening values for soil gas results. A summary of detected concentrations is shown in **Table 3** and **Figure 4**.

4.2.2 Soil Sample Results

Twelve subsurface soil samples were collected from four soil borings as described in **Section 2.5.2**. A summary of the detected concentrations and exceedances of SCOs is presented below, on **Table 4**, and on **Figure 5**.

VOCs were detected in 11 of the 12 samples. VOCS were below each of the SCOs with the exception of PCE in SB-11. The PCE concentration detected at SB-11 exceeded the Unrestricted

and POGW SCOs, with a detected concentration of 2,500 micrograms per kilogram (µg/kg) in the 9.5 to 10.0 foot sample. This detection correlates with an elevated ECD response observed from approximately 7.0 to 12.0 feet bgs at direct-sensing location DS-11.

Metals, including mercury, were detected in 3 of the 3 samples. Metals were below each of the SCOs with the exception of zinc and nickel in SB-11. Concentrations of zinc and nickel at soil boring SB-11 exceeded the Unrestricted SCOs, with detected concentrations, biased low, of 77.3 milligrams per kilogram (mg/kg) and 34.9 mg/kg, respectively, in the 44.5 to 45.0 foot sample.

SVOCs were detected in 3 of the 3 samples and no concentrations exceeded the Unrestricted, Commercial, or POGW SCOs.

Concentrations of PCBs, pesticides, PFAS, 1,4-dioxane, and cyanide were not detected in the three samples collected for these analyses.

4.2.3 Groundwater Sample Results

Groundwater samples were collected from five monitoring wells at the Site (MW-1, MW-2, MW-3, PES-2, and PES-3).

PCE concentrations exceeded the Class GA SGVs in four of the five wells, with a maximum detected concentration of 160 micrograms per liter (µg/L) at MW-2. In addition, PFAS concentrations exceeded the Class GA SGVs, for both PFOS and PFOA. PFOS exceeded Class GA SGVs in three monitoring wells, with a maximum detection of 20 nanograms per liter (ng/L) at PES-2. PFOA was detected in three wells sampled, with one exceedance, a maximum concentration of 7.0 ng/L at PES-2.

Of the three well samples that were analyzed for inorganic compounds, each of the samples contained concentrations of iron and sodium above criteria, two samples contained manganese above criteria, and one sample contained lead and magnesium above criteria. These minerals are naturally occurring, and concentrations may be due in part to suspended solids in the observed in groundwater at the time of sampling, and therefore not representative of dissolved inorganics in the groundwater.

There were no exceedances for SVOCs including 1,4-Dioxane, PCBs, pesticides, mercury, and total cyanide in the three samples from wells (MW-1, MW-3, and PES-2). **Table 5** and **Figure 6** display groundwater detections and exceedances of the Class GA SGVs.

4.2.4 Vapor Intrusion Sample Results

Two indoor air samples (one in the basement and one in the shop area), one ambient air sample, and a sub-slab sample in the basement were collected at the property west of the Site. Detected concentrations did not exceed the NYSDOH VI Guidance matrix criteria. **Table 6** and **Figure 4** display detections from the vapor intrusion sampling and corresponding NYSDOH VI Guidance matrix recommendations.

4.2.5 Basement Sump Sample

One water sample was collected from the basement sump and analyzed for VOCs. VOCs were not detected above the practical quantitation limit in this sample.

5. Summary and Conclusions

The objective of the SC investigation was to evaluate the presence of chlorinated solvents and other potential COCs at the Site and assess their potential migration pathways. The following sections summarize results and conclusions based on the fieldwork and data evaluation performed.

5.1 Site Characteristics

As discussed in Section 3 above, the overburden geology and hydrogeology were evaluated during the SC. The Site ground surface slopes gently from the northwest to the southwest.

Subsurface soils encountered during the SC consist of light-medium-dark brown sand to silty sand, with lesser amounts of fine silt and/or fine gravel overlying a blue gray, dense silty clay layer. This layer was absent or less than three feet thick on the east side of the Site. The confining layer was not observed at DS-03. Bedrock was not encountered during the investigation.

Groundwater elevations in the overburden unit range from approximately 251.59 to approximately 248.61 feet AMSL. The groundwater elevations suggest groundwater flow is to the south-southwest under a relatively flat horizontal hydraulic gradient of approximately 0.0272 feet per feet.

5.2 Soil Gas and Vapor Intrusion

Two soil gas samples (SGMP-1 and SGMP-2) were collected near the building footprint at the Site. Elevated concentrations of PCE were found in both sample locations and elevated levels of TCE were found at SGMP-2.

Two indoor air samples (one in the basement and one in the shop area), one ambient air sample, and a sub-slab sample in the basement were collected at the property west of the Site. VOC concentrations at this location meet the NYSDOH decision matrix recommendation for no further action.

5.3 Subsurface Soil

Subsurface samples were collected from four soil boring locations (SB-1, SB-7, SB-9, and SB-11). In subsurface soils, there were no exceedances of Commercial SCOs. The PCE concentration detected at in a single sample collected from the 9.5 to 11 ft interval at SB-11 exceeded the Unrestricted and POGW SCOs. In addition, concentrations of zinc and nickel at soil boring SB-11 exceeded the Unrestricted SCOs in the 44.5 to 45.0 foot sample. Zinc and nickel are considered naturally occurring elements.

5.4 Groundwater

Groundwater samples were collected from five monitoring wells. PCE concentrations exceeded Class GA SGVs in monitoring wells MW-2, MW-3, PES-2, and PES-3. The monitoring well location with the highest concentrations of VOCs was MW-2. Monitoring well PES-2 had the highest concentration of PFAS, with both PFOS and PFOA exceeding Class GA SGVs.

Inorganic compounds exceeded Class GA SGVs for concentrations of iron, lead, magnesium, manganese, and sodium. However, these may not be representative of dissolved inorganics in the groundwater as they could be naturally occurring or come from outside sources (i.e., sodium is present in road salt).

5.5 Conclusions

Based on the sampling analysis conducted during the SC, VOCs, specifically TCE and PCE, are present at concentrations exceeding applicable SGVs in on-site subsurface soil and groundwater and present at elevated concentrations in soil vapor. Additional, information would be necessary to further evaluate the extent and migration pathways of these constituents both on and off the site.

6. References

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Tables

Table 1
Well Construction Details
Site Characterization Report

Silvestri Dry Cleaners
Town of Colonie, New York

Well	Geologic Unit	Measuring Point Elevation (ft NAVD 88)	Well Diameter (inches)	Total Depth of Well (ft bmp)	Screen Interval (ft bg)
MW-01	Overburden	262.47	1.0	25.0	10.0 - 25.0
MW-02	Overburden	261.27	1.0	40.0	20.0 - 40.0
MW-03	Overburden	261.72	1.0	35.0	15.0 - 35.0
PES-2	Overburden	261.33	1.0	14.8	2.0 - 12.0
PES-3	Overburden	262.14	1.0	18.9	6.0 - 16.0

Notes:

1. "ft NAVD 88" designates elevations are in feet referenced to North American Vertical Datum of 1988.
2. "ft bmp" designates feet below measuring point.
3. "ft bg" designates feet below grade.
4. Existing monitoring well PES-1 was located, but has been filled in with sediment and is not usable for groundwater quality monitoring or sampling.

Table 2
Groundwater Elevations
Site Characterization Report

Silvestri Dry Cleaners
Town of Colonie, New York

Well	Geologic Unit	Measuring Point Elevation (ft NAVD 88)	July 17, 2024	
			Depth to Water (ft bmp)	Groundwater Level Elevation (ft NAVD 88)
MW-01	Overburden	262.47	10.88	251.59
MW-02	Overburden	261.27	12.66	248.61
MW-03	Overburden	261.72	12.76	248.96
PES-2	Overburden	261.33	11.04	250.29
PES-3	Overburden	262.14	11.22	250.92

Notes:

1. "ft NAVD 88" designates elevations are in feet referenced to North American Vertical Datum of 1988.
2. "ft bmp" designates feet below measuring point.
3. Existing monitoring well PES-1 was located, but has been filled in with sediment and is not usable for groundwater quality monitoring or sampling.

Table 3
Summary of Soil Gas/Ambient Air Sample Results
Site Characterization Report

Silvestri Dry Cleaners
Town of Colonie, New York

Sample Location	Ambient Air	SGMP-1	SGMP-2	SGMP-2
Sample ID	AA-041824	SGMP-1-041824	SGMP-2-041824	X-1-041824
Sample Date	04/18/24	04/18/24	04/18/24	04/18/24
Volatile Organic Compounds (VOCs) ($\mu g/m^3$)				
Matrix A Compounds				
Carbon Tetrachloride	0.26	0.30 J	2.2 U	2.2 U
cis-1,2-Dichloroethene	0.20 U	0.20 UJ	4.1	4.5
Trichloroethene	0.20 U	2.1 J	47	53
Matrix B Compounds				
Tetrachloroethene	0.18 J+	900 J+	5,200 J+	6,300 J+
Matrix D Compounds				
1,2,4-Trimethylbenzene	0.98 U	0.46 J	9.9 U	9.8 U
Benzene	0.64 U	0.60 J	6.4 U	6.4 U
Ethylbenzene	0.87 U	0.33 J	8.7 U	8.6 U
o-Xylene	0.87 U	0.38 J	8.7 U	8.6 U
Matrix E Compounds				
Heptane	0.82 U	0.79 J	8.2 U	8.2 U
Hexane	1.8 U	1.1 J	18 U	18 U
m,p-Xylene	2.2 U	1.0 J	22 U	22 U
Matrix F Compounds				
Toluene	0.75 U	2.1 J	7.6 U	7.5 U
Other Compounds				
1,3-Butadiene	0.44 U	0.36 J	4.4 U	4.4 U
2,2,4-Trimethylpentane	0.93 U	0.21 J	9.4 U	9.3 U
2-Butanone	1.5 U	1.5 J	15 U	15 U
Acetone	4.1 J	8.2 J	120 U	120 U
Butane	0.97 J	5.5 J	12 U	12 U
Carbon Disulfide	1.6 U	1.6 J	16 U	16 U
Chlorodifluoromethane	0.83 J	0.70 J	18 U	18 U
Chloromethane	1.0	0.52 J	10 U	10 U
Cyclohexane	0.69 U	0.48 J	6.9 U	6.9 U
Dichlorodifluoromethane	1.9 J	2.2 J	25 U	25 U
Freon-113	1.5 U	0.42 J	15 U	15 U
Trichlorofluoromethane	1.0 J	1.1 J	11 U	11 U

Notes:

1. Only detected constituents are shown.
2. Units of measure for results are presented in the table. "$\mu g/m^3$" designates micrograms per cubic meter.
3. Samples were analyzed by Eurofins Burlington in South Burlington, Vermont. VOCs analyzed using United States Environmental Protection Agency (USEPA) Method TO-15. Results validated by Vali-Data of WNY, LLC of Fulton, New York.
4. Compounds are separated into matrix groups according to New York State Department of Health Guidance for Evaluating Soil Vapor in the Sate of New York October 2006 and current addenda. New York State does not have screening values for soil gas results.
5. "U" designates the result is not detected at or above the reported practical quantitation limit (PQL).
6. "J" designates the result is considered an estimated concentration.
7. "UJ" designates compound is not detected at an estimated PQL.
8. "J+" designates the result is considered an estimated concentration with a potential high bias.
9. Blind duplicate sample shown immediately after parent sample.

Table 4
Summary of Subsurface Soil Sample Results
Site Characterization Report

Silvestri Dry Cleaners
Town of Colonie, New York

Constituent	Restricted Commercial	Restricted Groundwater	Unrestricted	Sample Location	Sample ID	Sample Date	Sample Depth
				SB-01	SB-01-6.5-7.0-050624	05/06/24	6.5-7.0 ft bg
				SB-01	SB-01-40.0-40.5-050624	05/06/24	40.0-40.5 ft bg
				SB-07	SB-07-21.0-21.5-050724	05/07/24	21.0-21.5 ft bg
				SB-07	SB-07-45.0-45.5-050724	05/07/24	45.0-45.5 ft bg
				SB-09	SB-09-4.5-5.0-050724	05/07/24	4.5-5.0 ft bg
				SB-09	SB-09-11.2-11.7-050724	05/07/24	11.2-11.7 ft bg
				SB-09	SB-09-21.0-21.5-050824	05/08/24	21.0-21.5 ft bg
				SB-09	SB-09-33.5-34.0-050824	05/08/24	33.5-34.0 ft bg
				SB-09	DUP-01-050824	05/08/24	33.5-34.0 ft bg
				SB-11	SB-11-4.5-5.0-050824	05/08/24	11-4.5-5.0 ft bg
				SB-11	SB-11-9.5-10.0-050824	05/08/24	9.5-10.0 ft bg
				SB-11	SB-11-20.5-21.0-050824	05/08/24	20.5-21.0 ft bg
				SB-11	SB-11-44.5-45.0-050824	05/08/24	44.5-45.0 ft bg
Metals and Mercury (mg/kg)							
Aluminum	NC	NC	NC	---	---	4,950	---	---	---	---	3,530	4,010	---	---	---	26,900 J
Antimony	NC	NC	NC	---	---	0.63 J+	---	---	---	---	20.1 U	19.8 U	---	---	---	23.4 UJ
Arsenic	16	16	13	---	---	1.6 J	---	---	---	---	1.9 J	1.2 J	---	---	---	5.1
Barium	400	820	350	---	---	15.3 J+	---	---	---	---	13.4	15.0	---	---	---	213 J
Beryllium	590	47	7.2	---	---	0.27	---	---	---	---	0.19 J	0.20 J	---	---	---	1.4
Calcium	NC	NC	NC	---	---	25,200 J+	---	---	---	---	15,200 J+	16,600 J+	---	---	---	32,200 J+
Chromium	1,500	41	30	---	---	6.9	---	---	---	---	4.5	5.0	---	---	---	27.3 J
Cobalt	NC	NC	NC	---	---	4.3	---	---	---	---	2.7	2.7	---	---	---	17.4
Copper	270	1,720	50	---	---	9.9 J	---	---	---	---	6.0 J	6.3 J	---	---	---	25.6 J
Iron	NC	NC	NC	---	---	10,300 J+	---	---	---	---	6,750 J	6,820 J	---	---	---	26,700 J
Lead	1,000	450	63	---	---	4.2 J	---	---	---	---	2.2 J	2.1 J	---	---	---	13.0 J
Magnesium	NC	NC	NC	---	---	7,710	---	---	---	---	3,750	4,180	---	---	---	11,600 J
Manganese	10,000	2,000	1,600	---	---	303 J+	---	---	---	---	171 J+	172 J+	---	---	---	630 J+
Mercury	2.8	0.73	0.18	---	---	0.013 J	---	---	---	---	0.0064 J	0.026 U	---	---	---	0.028 J
Nickel	310	130	30	---	---	9.1 J+	---	---	---	---	5.8 J	6.2 J	---	---	---	**34.9**
Potassium	NC	NC	NC	---	---	1,180	---	---	---	---	923	1,060	---	---	---	6,490
Selenium	1,500	4.0	3.9	---	---	5.1 UJ	---	---	---	---	0.58 J	5.3 U	---	---	---	6.2 UJ
Silver	1,500	8.3	2.0	---	---	0.77 U	---	---	---	---	0.81 U	0.79 U	---	---	---	0.31 J
Sodium	NC	NC	NC	---	---	231	---	---	---	---	148 J	160 J	---	---	---	578 J
Vanadium	NC	NC	NC	---	---	12.2	---	---	---	---	7.9	8.2	---	---	---	44.5 J
Zinc	10,000	40	27	---	---	22.8 J+	---	---	---	---	15.7 J+	17.6 J+	---	---	---	**77.3 J-**
Per- and Poly-Fluoroalkyl Substances (PFOAs) (µg/kg)																
Perfluorooctanesulfonic acid (PFOS)	440	1.0	0.88	---	---	0.26 U	---	---	---	---	0.25 U	0.19 J	---	---	---	0.29 U
Volatile Organic Compounds (VOCs) (µg/kg)																
Acetone	500,000	50	50	21 UJ	5.7 J	8.0 J	8.9 J	210 U	310 U	340 U	4.0 J+	21 UT	220 U	540 U	24 U	5.1 J+
cis-1,2-Dichloroethene	500,000	250	250	4.1 U	4.5 U	4.1 U	3.8 U	41 U	61 U	67 U	4.2 U	4.1 U	44 U	44 J	4.9 U	5.3 UJ
Methylene Chloride	500,000	50	50	5.1	4.5 U	4.1 U	3.8 U	41 U	61 U	67 U	4.2 U	4.1 U	44 U	110 U	4.9 U	5.3 U
Tetrachloroethene	150,000	1,300	1,300	2.9 J	4.5 U	8.2	1.7 J	420	520	710	4.2 U	4.1 U	180	**2,500**	6.0	5.3 UJ
VOC Tentatively Identified Compounds (TICs) (µg/kg)																
2-Ethylhexyl Acetate	NC	NC	NC	---	---	---	6.0 JN	---	---	---	---	---	---	---	---	---
Unknown	NC	NC	NC	---	---	---	---	---	---	630 J	---	---	---	---	---	---
Column Bleed	NC	NC	NC	---	---	4.7 J	4.6 J	---	---	840 J	4.6 J	---	---	920 J	---	19 J
Semi-Volatile Organic Compounds (SVOCs) TICs (µg/kg)																
3,4-Dimethylheptane	NC	NC	NC	---	---	180 JN	---	---	---	---	---	---	---	---	---	230 JN
4-methyl-Octane	NC	NC	NC	---	---	---	---	---	---	---	---	---	---	---	---	230 JN
Ethanethioic Acid, S-[8-(Diethylphosphono)octyl] ester	NC	NC	NC	---	---	---	---	---	---	---	---	320 JN	---	---	---	---
Methylene Chloride	NC	NC	NC	---	---	---	---	---	---	---	---	500 JN	---	---	---	---
Unknown with highest conc.	NC	NC	NC	---	---	210 J	---	---	---	---	230 J	170 J	---	---	---	270 J
Unknown with 2nd highest conc.	NC	NC	NC	---	---	---	---	---	---	---	190 J	---	---	---	---	---

Notes:
1. Only detected constituents are shown.
2. "ft bg" designates feet below grade.
3. Units of measure for results and regulatory criteria are presented in the table. "mg/kg" designates milligrams per kilogram. "µg/kg" designates micrograms per kilogram.
4. Metals and mercury analyzed using United States Environmental Protection Agency (USEPA) SW-846 Method 6010D and 7471B, respectively. VOCs and SVOCs analyzed using USEPA SW-846 Method 8260C and 8270D, respectively. Samples were analyzed by Eurofins Buffalo in Amherst, New York. PFOAs analyzed using USEPA Method 1633 by Eurofins Denver in Arvada, Colorado. Results validated by Vali-Data of WNY, LLC of Fulton, New York.
5. Regulatory criteria are 6 NYCRR Part 375-6.8 (Part 375) soil cleanup objectives (SCOs). Restricted regulatory criteria are the Commercial use and Protection of Groundwater SCOs. Unrestricted regulatory criteria are Part 375 unrestricted SCOs. "NC" designates no criteria. Exceedances of commercial use criteria are marked with "*". Exceedances of groundwater protection criteria are underlined. Exceedances of unrestricted use criteria are bolded.
6. "'---" designates not analyzed or not applicable.
7. "J+" designates the result is an estimated concentration with a potential high bias.
8. "J" designates the result is considered an estimated concentration.
9. "UJ" designates analyte is not detected at an estimated practical quantitation limit (PQL).
10. "U" designates the result is not detected at or above the reported PQL.
11. "N" designates the presumptive evidence of the compound.
12. "J-" designates the result value is an estimated concentration with a potential low bias.
13. Blind duplicate sample shown immediately after parent sample.

Table 5
Summary of Groundwater Sampling Results
Site Characterization Report

Silvestri Dry Cleaners
Town of Colonie, New York

	Sample Location	MW-1	MW-1	MW-2	MW-3	PES-2	PES-3
	Sample ID	GW-MW-1-071824	FD-071824	GW-MW-2-071724	GW-MW-3-071824	GW-PES-2-071824	GW-PES-3-071724
	Sample Date	07/18/24	07/18/24	07/17/24	07/18/24	07/18/24	07/17/24
Constituent	**Regulatory Criteria**						
Metals and Cyanide (mg/L)							
Aluminum	NC	28.7 J	23.7 J	---	0.90 J	5.1 J	---
Arsenic	0.025	0.021 J+	0.022 J+	---	0.0060 J+	0.015 U	---
Barium	1.0	0.18	0.16	---	0.028	0.035	---
Beryllium	0.0030	0.0016 J	0.0013 J	---	0.0020 U	0.0020 U	---
Cadmium	0.0050	0.00091 J	0.00081 J	---	0.0020 U	0.0020 U	---
Calcium	NC	236	211	---	98.4	66.2	---
Chromium	0.05	0.031	0.026	---	0.0023 J	0.0054	---
Cobalt	NC	0.027	0.021 J+	---	0.0012 J	0.0029 J	---
Copper	0.20	0.072 J	0.058 J	---	0.0016 J	0.0071 J	---
Iron	0.30	**50.3 J**	**41.2 J**	---	**1.3 J**	**7.3 J**	---
Lead	0.025	**0.026**	0.017	---	0.010 U	0.010 U	---
Magnesium	35	**54.4**	**48.7**	---	23.1	8.6	---
Manganese	0.30	**2.9 J**	**2.4 J**	---	0.045 J	**0.33 J**	---
Mercury	0.00070	0.00060 U	0.00013 J	---	0.00020 U	0.00020 U	---
Nickel	0.10	0.044	0.035	---	0.010 U	0.0049 J	---
Potassium	NC	9.0	7.8	---	1.5	2.6	---
Sodium	20	**378**	**371**	---	**175**	**249**	---
Vanadium	NC	0.058	0.049	---	0.0019 J	0.010	---
Zinc	2.0[G]	0.12	0.095	---	0.0031 J	0.016	---
Cyanide (Amenable)	0.20	0.010 U	0.0084 J	---	0.0049 J	0.010 U	---
Per- and Poly-Fluoroalkyl Substances (PFOAs) (ng/L)							
Perfluorobutanesulfonic acid (PFBS)	NC	3.0	2.0	---	1.8	8.1	---
Perfluorobutanoic acid (PFBA)	NC	3.7 J	4.0	---	4.9	12	---
Perfluorodecanoic acid (PFDA)	NC	1.9 U	0.54 J	---	1.5 U	1.8 U	---
Perfluoroheptanoic Acid (PFHpA)	NC	2.2	1.5 J	---	2.1	10	---
Perfluorohexanoic acid (PFHxA)	NC	4.6	4.1	---	4.5	11	---
Perfluorohexanesulfonic acid (PFHxS)	NC	1.9 U	2.0 U	---	0.60 J	4.3	---
Perfluorononanoic acid (PFNA)	NC	1.1 J	2.0 U	---	0.97 J	1.2 J	---
Perfluorooctane Sulfonamide (FOSA)	NC	1.9 U	2.0 U	---	0.38 J	1.8 U	---
Perfluorooctanesulfonic acid (PFOS)	2.7	**3.5**	**3.1**	---	**13**	**20**	---
Perfluorooctanoic acid (PFOA)	6.7	1.8 J	2.0 U	---	4.7	**7.0**	---
Perfluoropentanoic acid (PFPeA)	NC	7.8 J	6.6	---	5.9	8.5	---
Perfluoroundecanoic acid (PFUnA)	NC	1.9 U	0.29 J	---	1.5 U	1.8 U	---
Pesticides (µg/L)							
4-4-DDD	0.30	0.050 U	0.013 J	---	0.050 U	0.050 U	---
4-4-DDT	0.20	0.032 J	0.050 U	---	0.050 U	0.050 U	---
a-BHC	0.010	0.050 U	0.050 U	---	0.050 U	0.050 U	---
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs) (µg/L)							
Acetone	50	10 U	10 U	20 U	10 UJ	10 U	40 U
cis-1,2-Dichloroethene	5.0	1.0 U	1.0 U	2.1	0.91 J	1.5	4.0 U
Tetrachloroethene	5.0	0.79 J	0.63 J	**160**	**25 J+**	**22**	**85**
Toluene	5.0	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	4.0 U
Trichloroethene	5.0	1.0 U	1.0 U	1.8 J	1.0 U	1.0 U	4.0 U
Tentatively Identified Compounds (TICs) (µg/L)							
C10H16 isomer	NC	12 J	---	---	---	---	---
Decamethylcyclopentasiloxane	NC	1.7 JN	---	---	---	2.5 JN	---
Hexamethylcyclotrisiloxane	NC	1.6 JN	2.0 JN	---	1.7 JN	1.9 JN	---
Octamethylcyclotetrasiloxane	NC	---	---	---	---	2.7 JN	---
Tetrachloroethene	5.0	---	---	---	**6.3 JN**	**7.2 JN**	---
Tetrahydrofuran	50	4.5 JN	4.3 JN	---	4.4 JN	5.0 JN	---
Unknown with highest conc.	NC	8.8 J	3.7 J	---	3.5 J	4.6 J	---
Unknown with 2nd highest conc.	NC	7.2 J	3.0 J	---	2.9 J	2.6 J	---
Unknown with 3rd highest conc.	NC	5.8 J	2.2 J	---	2.9 J	2.4 J	---
Unknown with 4th highest conc.	NC	3.9 J	1.9 J	---	2.8 J	1.9 J	---
Unknown with 5th highest conc.	NC	3.0 J	1.7 J	---	2.7 J	1.9 J	---
Unknown with 6th highest conc.	NC	3.0 J	---	---	2.2 J	1.9 J	---
Unknown with 7th highest conc.	NC	2.2 J	---	---	2.0 J	---	---
Unknown with 8th highest conc.	NC	2.1 J	---	---	1.8 J	---	---
Unknown with 9th highest conc.	NC	1.8 J	---	---	1.8 J	---	---
Unknown with 10th highest conc.	NC	1.8 J	---	---	---	---	---

Notes:

1. Only detected constituents are shown.
2. Units of measure for results and regulatory criteria are presented in the table. "mg/L" designates milligrams per liter. "ng/L" designates nanograms per liter. "µg/L" designates micrograms per liter.
3. Metals and mercury analyzed using United States Environmental Protection Agency (USEPA) SW-846 Method 6010C and 7470A, respectively. Cyanide analyzed using USEPA SW-846 Method 9012B. Pesticides analyzed using USEPA SW-846 Method 8081B. VOCs and SVOCs analyzed using USEPA SW-846 Methods 8260C and 8270D, respectively. Analyses performed by Eurofins Buffalo in Amherst, New York. PFOAs analysed using USEPA Method 1633 by Eurofins Denver in Arvada, Colorado. Results validated by Vali-Data of WNY, LLC of Fulton, New York.
4. Regulatory criteria are 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations and Ambient Water Quality Standards and Guidance Values from New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1. Class GA Standards and Guidance Values, June 1998, with all current addendums. Values are water quality standards unless marked with "[G]". "NC" designates no criteria or guidance value. Exceedances of regulatory criteria are bolded.
5. "J" designates the result is considered an estimated concentration.
6. "---" designates not analyzed or not applicable.
7. "J+" designates the result is an estimated concentration with a potential high bias.
8. "U" designates the result is not detected at or above the reported practical quantitation limit (PQL).
9. "N" designates the presumptive evidence of the compound.
10. "UJ" designates analyte is not detected at an estimated PQL.
11. Blind duplicate sample shown immediately after parent sample.

Table 5
Summary of Groundwater Sampling Results
Site Characterization Report

Silvestri Dry Cleaners
Town of Colonie, New York

	Sample Location	Equipment Blank	Reagent Blank	Trip Blank	Trip Blank
	Sample ID	EB-071824	REAGENT-071824	TB-01-071724	TB-02-071824
	Sample Date	07/18/24	07/18/24	07/17/24	07/18/24
Constituent	**Regulatory Criteria**				
Metals and Cyanide (mg/L)					
Aluminum	NC	0.20 UJ	---	---	---
Arsenic	0.025	0.015 U	---	---	---
Barium	1.0	0.0020 U	---	---	---
Beryllium	0.0030	0.0020 U	---	---	---
Cadmium	0.0050	0.0020 U	---	---	---
Calcium	NC	0.50 U	---	---	---
Chromium	0.05	0.0040 U	---	---	---
Cobalt	NC	0.0040 U	---	---	---
Copper	0.20	0.010 UJ	---	---	---
Iron	0.30	0.050 UJ	---	---	---
Lead	0.025	0.010 U	---	---	---
Magnesium	35	0.20 U	---	---	---
Manganese	0.30	0.0030 UJ	---	---	---
Mercury	0.00070	0.00020 U	---	---	---
Nickel	0.10	0.010 U	---	---	---
Potassium	NC	0.50 U	---	---	---
Sodium	20	0.39 J	---	---	---
Vanadium	NC	0.0050 U	---	---	---
Zinc	2.0[G]	0.010 U	---	---	---
Cyanide (Amenable)	0.20	0.010 U	---	---	---
Per- and Poly-Fluoroalkyl Substances (PFOAs) (ng/L)					
Perfluorobutanesulfonic acid (PFBS)	NC	1.6 U	1.5 U	---	---
Perfluorobutanoic acid (PFBA)	NC	3.3 U	3.0 U	---	---
Perfluorodecanoic acid (PFDA)	NC	1.6 U	1.5 U	---	---
Perfluoroheptanoic Acid (PFHpA)	NC	1.6 U	1.5 U	---	---
Perfluorohexanoic acid (PFHxA)	NC	1.6 U	1.5 U	---	---
Perfluorohexanesulfonic acid (PFHxS)	NC	1.6 U	1.5 U	---	---
Perfluorononanoic acid (PFNA)	NC	1.6 U	1.5 U	---	---
Perfluorooctane Sulfonamide (FOSA)	NC	1.6 U	1.5 U	---	---
Perfluorooctanesulfonic acid (PFOS)	2.7	1.6 U	1.5 U	---	---
Perfluorooctanoic acid (PFOA)	6.7	1.6 U	1.5 U	---	---
Perfluoropentanoic acid (PFPeA)	NC	1.6 U	1.5 U	---	---
Perfluoroundecanoic acid (PFUnA)	NC	1.6 U	1.5 U	---	---
Pesticides (µg/L)					
4-4-DDD	0.30	0.050 U	---	---	---
4-4-DDT	0.20	0.050 U	---	---	---
a-BHC	0.010	0.0083 J	---	---	---
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs) (µg/L)					
Acetone	50	10 U	---	3.8 J	10 U
cis-1,2-Dichloroethene	5.0	1.0 U	---	1.0 U	1.0 U
Tetrachloroethene	5.0	1.0 U	---	1.0 U	1.0 U
Toluene	5.0	1.0 U	---	0.82 J	0.66 J
Trichloroethene	5.0	1.0 U	---	1.0 U	1.0 U
Tentatively Identified Compounds (TICs) (µg/L)					
C10H16 isomer	NC	---	---	---	---
Decamethylcyclopentasiloxane	NC	---	---	---	---
Hexamethylcyclotrisiloxane	NC	---	---	---	---
Octamethylcyclotetrasiloxane	NC	---	---	---	---
Tetrachloroethene	5.0	---	---	---	---
Tetrahydrofuran	50	4.1 JN	---	---	---
Unknown with highest conc.	NC	3.7 J	---	---	---
Unknown with 2nd highest conc.	NC	2.1 J	---	---	---
Unknown with 3rd highest conc.	NC	2.0 J	---	---	---
Unknown with 4th highest conc.	NC	1.7 J	---	---	---
Unknown with 5th highest conc.	NC	---	---	---	---
Unknown with 6th highest conc.	NC	---	---	---	---
Unknown with 7th highest conc.	NC	---	---	---	---
Unknown with 8th highest conc.	NC	---	---	---	---
Unknown with 9th highest conc.	NC	---	---	---	---
Unknown with 10th highest conc.	NC	---	---	---	---

Notes:

1. Only detected constituents are shown.
2. Units of measure for results and regulatory criteria are presented in the table. "mg/L" designates milligrams per liter. "ng/L" designates nanograms per liter. "µg/L" designates micrograms per liter.
3. Metals and mercury analyzed using United States Environmental Protection Agency (USEPA) SW-846 Method 6010C and 7470A, respectively. Cyanide analyzed using USEPA SW-846 Method 9012B. Pesticides analyzed using USEPA SW-846 Method 8081B. VOCs and SVOCs analyzed using USEPA SW-846 Methods 8260C and 8270D, respectively. Analyses performed by Eurofins Buffalo in Amherst, New York. PFOAs analysed using USEPA Method 1633 by Eurofins Denver in Arvada, Colorado. Results validated by Vali-Data of WNY, LLC of Fulton, New York.
4. Regulatory criteria are 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations and Ambient Water Quality Standards and Guidance Values from New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1. Class GA Standards and Guidance Values, June 1998, with all current addendums. Values are water quality standards unless marked with "[G]". "NC" designates no criteria or guidance value. Exceedances of regulatory criteria are bolded.
5. "J" designates the result is considered an estimated concentration.
6. "---" designates not analyzed or not applicable.
7. "J+" designates the result is an estimated concentration with a potential high bias.
8. "U" designates the result is not detected at or above the reported practical quantitation limit (PQL).
9. "N" designates the presumptive evidence of the compound.
10. "UJ" designates analyte is not detected at an estimated PQL.
11. Blind duplicate sample shown immediately after parent sample.

Table 6
Summary of Vapor Intrusion Sample Results
Site Characterization Report

Silvestri Dry Cleaners
Town of Colonie, New York

Sample Location	Basement Subslab	Basement	Shop	Shop	Outdoor Air	NYSDOH Decision Matrix Recommendation
Sample ID	SS-BASEMENT-010825	IA-BASEMENT-010825	IA-SHOP-010825	DUP-010825	OA-010825	
Sample Date	01/08/25	01/08/25	01/08/25	01/08/25	01/08/25	
Volatile Organic Compounds (VOCs) (µg/m³)						
Matrix A Compounds						
Carbon Tetrachloride	0.22 U	**0.42**	**0.32**	**0.41**	**0.26**	NFA
Trichloroethene	0.14 J	0.20 U	0.20 U	0.20 U	0.20 U	NFA
Matrix B Compounds						
1,1,1-Trichloroethane	0.38 J	1.1 U	1.1 U	1.1 U	1.1 U	NFA
Tetrachloroethene	1.7	0.18 J	0.15 J	1.4 U	1.4 U	NFA
Matrix D Compounds						
1,2,4-Trimethylbenzene	1.6	0.48 J	0.98 U	1.0	0.98 U	NFA
1,3,5-Trimethylbenzene	0.40 J	0.98 U	0.98 U	0.98 U	0.98 U	NFA
Benzene	0.23 J	0.32 J	0.35 J	0.39 J	0.32 J	NFA
Ethylbenzene	0.31 J	0.87 U	0.87 U	0.87 U	0.87 U	NFA
o-Xylene	0.47 J	0.87 U	0.87 U	0.87 U	0.87 U	NFA
Matrix E Compounds						
Heptane	0.59 J	0.82 U	0.31 J	0.44 J	0.82 U	NFA
Hexane	0.75 J	1.8 U	1.8 U	1.8 U	1.8 U	NFA
m,p-Xylene	1.2 J	0.79 J	2.2 U	0.52 J	0.44 J	NFA
Matrix F Compounds						
Toluene	1.2	0.29 J	0.39 J	0.79	1.3	NFA
Other Compounds						
1,2-Dichloroethane	0.81 U	0.40 J	0.81 U	0.38 J	0.81 U	NA
1,3-Butadiene	0.44 U	0.12 J	0.094 J	0.11 J	0.11 J	NA
1,4-Dioxane	3.5 J	18 U	18 U	18 U	18 U	NA
2,2,4-Trimethylpentane	0.63 J	0.93 U	0.93 U	0.93 U	0.93 U	NA
2-Butanone	1.5 U	1.5 U	1.5 U	1.7	1.5 U	NA
4-Ethyltoluene	0.30 J	0.98 U	0.98 U	0.98 U	0.98 U	NA
Acetone	12 U	9.8 J	12	15	12 U	NA
Butane	1.4	7.0	6.3	6.7	1.5	NA
Chlorodifluoromethane	0.54 J	1.3 J	1.3 J	1.2 J	0.97 J	NA
Chloromethane	1.0 U	1.3	1.4	1.5	2.0	NA
Dichlorodifluoromethane	2.7	2.6	2.7	2.6	2.4 J	NA
Freon-113	0.53 J	0.52 J	0.53 J	0.52 J	0.52 J	NA
Isopropyl alcohol	12 U	40	170	180	12 U	NA
n-Propylbenzene	0.23 J	0.98 U	0.98 U	0.98 U	0.98 U	NA
Trichlorofluoromethane	11	1.4	1.5	1.5	1.3	NA

Notes:

1. Only detected constituents are shown.
2. Units of measure for results are presented in the table. "µg/m³" designates micrograms per cubic meter.
3. "NYSDOH" designates New York State Department of Health.
4. Samples were analyzed by Eurofins Burlington in South Burlington, Vermont. VOCs analyzed using United States Environmental Protection Agency (USEPA) Method TO-15. Results validated by Vali-Data of WNY, LLC of Fulton, New York.
5. Decision Matrix Recommendation is NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York October 2006 and current adenda. Recommended actions are based on the combination of sub-slab and corresponding indoor air concentrations. Bolded values indicate an exceedance of minimum compound concentration defined in each decision matrix for sub-slab and indoor air, respectively. "NFA" designates no further action recommended. "NA" designates not applicable.
6. "U" designates the result is not detected at or above the reported practical quantitation limit.
7. "J" designates the result is considered an estimated concentration.
8. Blind duplicate sample shown immediately after parent sample.

Figures

K:\NYS-DEC.1087815\Standards\GIS\Silvestri Dry Cleaners\Figures\Site Figure\Site Figure.aprx\Ramboll_ANSI_A_Site_Location

PROJECT: 169000XXXX | DATED: 10/3/2024 | DESIGNER: COOPERSA



Map Scale: 1:5,000 | Map Center: 73°49'23"W 42°41'58"N

SITE LOCATION

FIGURE 1



KEY MAP (not to scale)

0 250 500 Feet

SILVESTRI DRY CLEANERS
NYSDEC #401084
69 FULLER ROAD, COLONIE, NEW YORK

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Silvestri Dry Cleaners\Figures\Site Figure\Site Figure.aprx\Site_Features



Legend

- Site Boundary
- Tax Parcel
- Direct Sensing Location
- Existing Monitoring Well
- Installed Monitoring Well
- Soil Boring Location
- Shallow Groundwater Monitoring Point (SGMP)
- Vapor Intrusion Sampling Location

Notes

1. Locations are based on a field survey by Ryan Biggs | Clark Davis Engineering & Surveying, D.P.C., on May 28, 2024.
2. Vapor Intrusion locations are approximate.

0 25 50 Feet

SITE FEATURES AND SAMPLE LOCATIONS

SILVESTRI DRY CLEANERS
NYSDEC #401084
69 FULLER ROAD, COLONIE, NEW YORK

FIGURE 2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690000XXXX | DATED: 3/19/2025 | DESIGNER: COOPERSA



Legend

- Site Boundary
- Existing Monitoring Well
- Installed Monitoring Well
- Groundwater Contour (0.5-Foot Interval)
- (250.29) Groundwater Elevation July 2024

Notes

1. Locations are based on a field survey by Ryan Biggs | Clark Davis Engineering & Surveying, D.P.C., on May 28, 2024.
2. Dashed contours are inferred.
3. Water level measurements collected July 27, 2024.

0 25 50 Feet

OVERBURDEN GROUNDWATER ELEVATION CONTOUR MAP

JULY 2024

SILVESTRI DRY CLEANERS
NYSDEC #401084
69 FULLER ROAD, COLONIE, NEW YORK

FIGURE 3

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Silvestri Dry Cleaners\Figures\Site Figure\Site Figure.aprx\GW_Contours

PROJECT: 169000XXXX | DATED: 4/28/2025 | DESIGNER: COOPERSA



LEGEND

- Site Boundary
- Shallow Groundwater Monitoring Point (SGMP)
- Vapor Intrusion Sampling Location

Notes

1. Non-detects not shown.
2. Detected constituents are compared to NYSDOH VI Guidance matrices.

0 25 50 Feet

SOIL GAS AND VAPOR INTRUSION RESULTS MAP

SILVESTRI DRY CLEANERS
NYSDEC #401084
69 FULLER ROAD, COLONIE, NEW YORK

FIGURE 4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\COOPERSA\OneDrive - Ramboll\Documents\New_York\Silvestri\SC_Report\SC_Report.aprx\SGMW
PROJECT: 169000XXXX | DATED: 6/10/2025 | DESIGNER: COOPERSA



LEGEND

- Site Boundary
- Soil Boring Location

Part 375 Protection of GW SCO:
PCE = 1.3 ppm
cisDCE = 0.25 ppm

Notes
Non-detects not shown.

0 25 50 Feet

SOIL RESULTS MAP

SILVESTRI DRY CLEANERS
NYSDEC #401084
69 FULLER ROAD, COLONIE, NEW YORK

FIGURE 5

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\COOPERSA\OneDrive - Ramboll\Documents\New_York\Silvestri\SC_Report\SC_Report.aprx\Soil Spider
PROJECT: 169000XXXX | DATED: 6/10/2025 | DESIGNER: COOPERSA



LEGEND

- Site Boundary
- Existing Monitoring Well
- Installed Monitoring Well

Class GA Standards:
PCE = 5 ppb
TCE = 5 ppb
cisDCE = 5 ppb

Notes
Non-detects not shown.

0 25 50 Feet

GROUNDWATER RESULTS MAP

SILVESTRI DRY CLEANERS
NYSDEC #401084
69 FULLER ROAD, COLONIE, NEW YORK

FIGURE 6

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

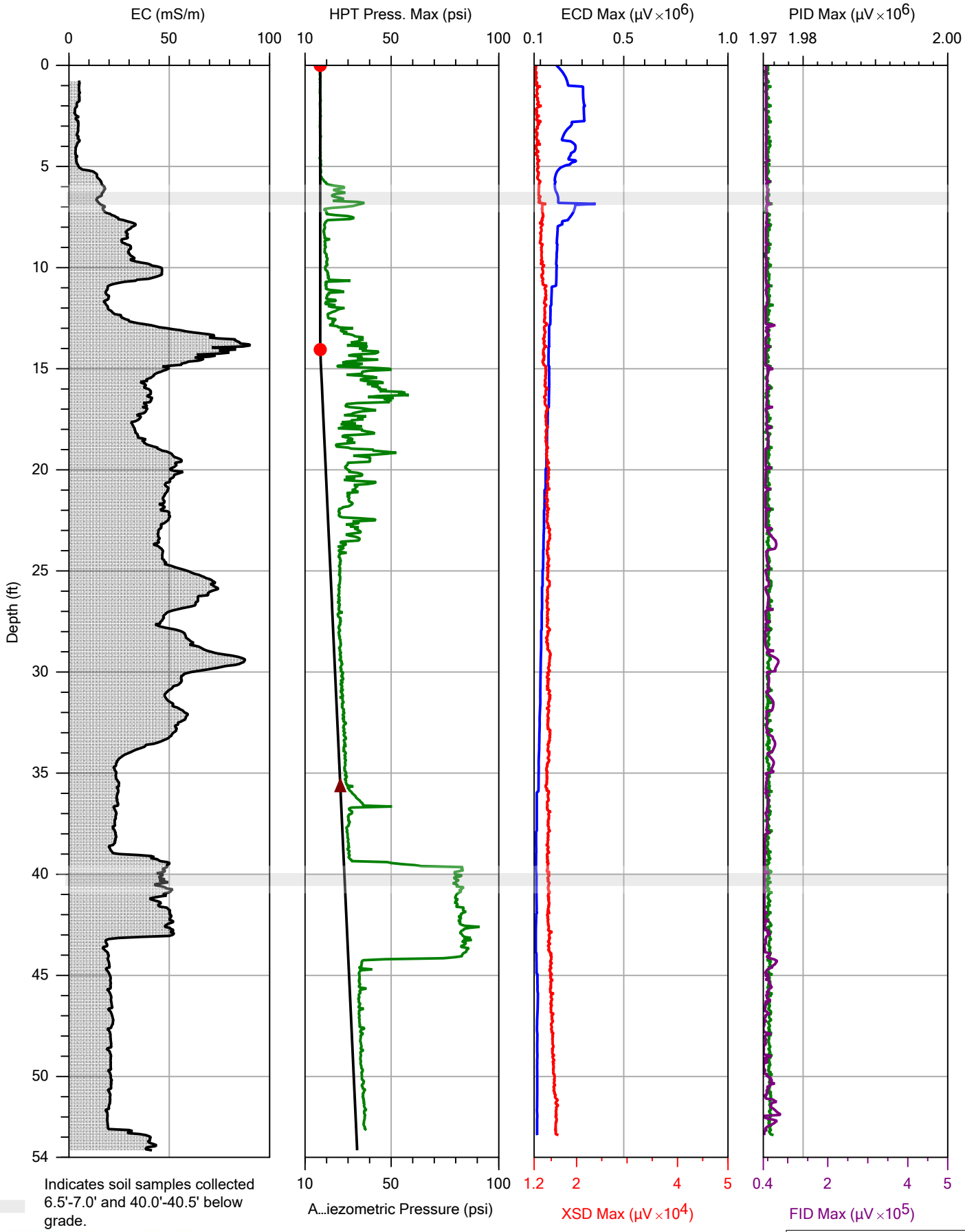
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PROJECT: 169000XXXX | DATED: 6/10/2025 | DESIGNER: COOPERSA

Appendices

Appendix A

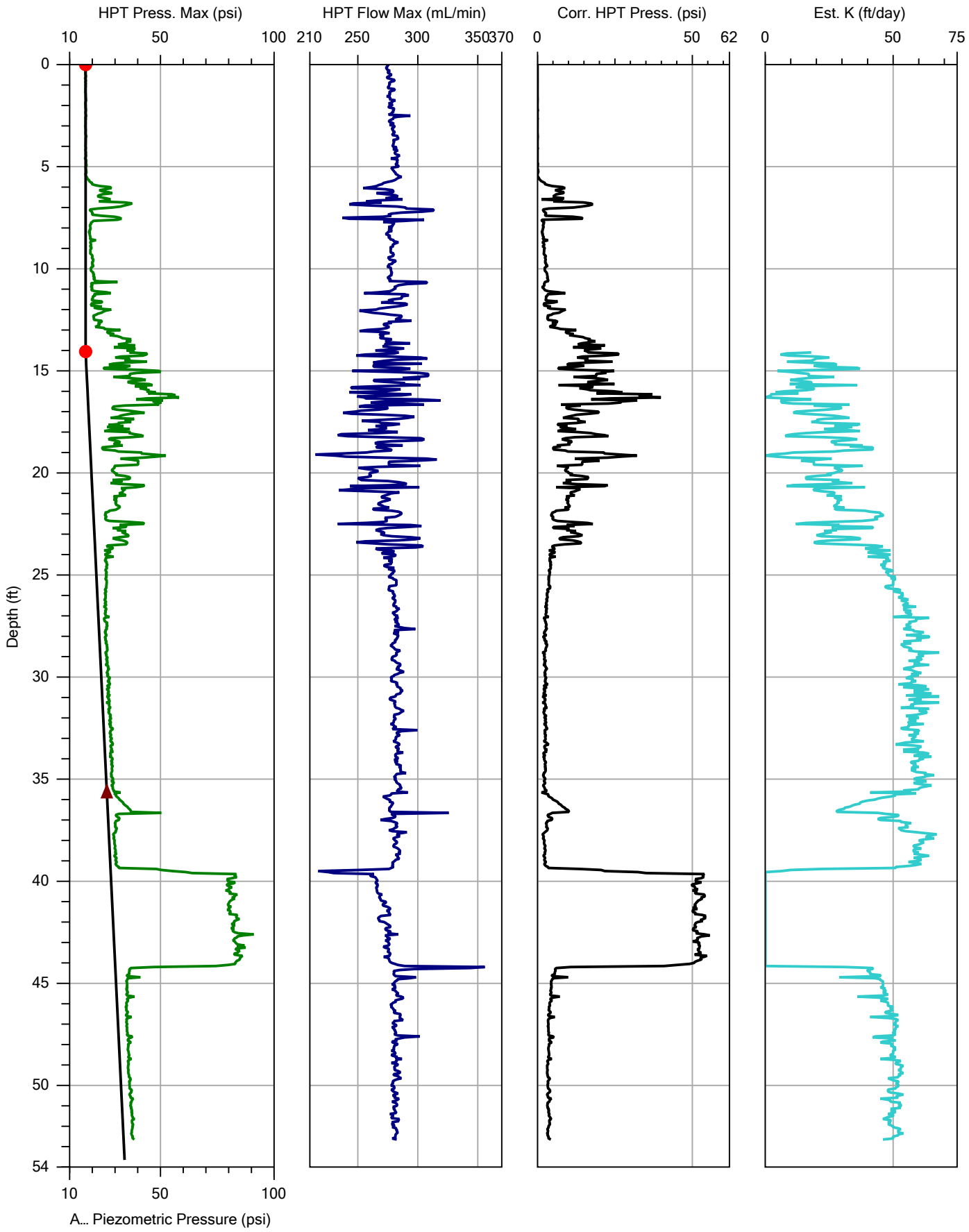
Direct-Sensing Logs



Indicates soil samples collected 6.5'-7.0' and 40.0'-40.5' below grade.

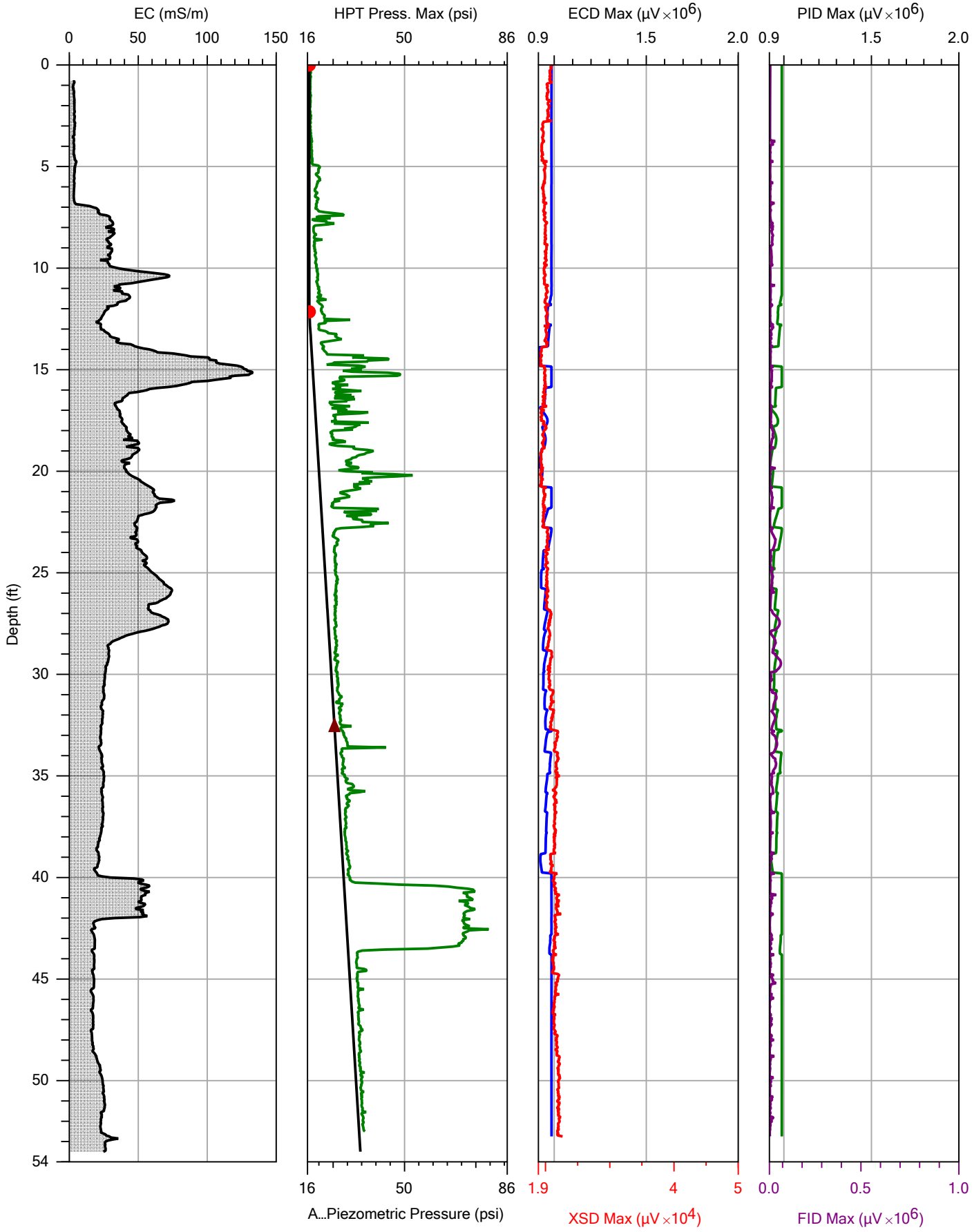
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DRILLING | TECHNICAL SERVICES

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Project ID:	Client: Ramboll	Location: Colonie,NY



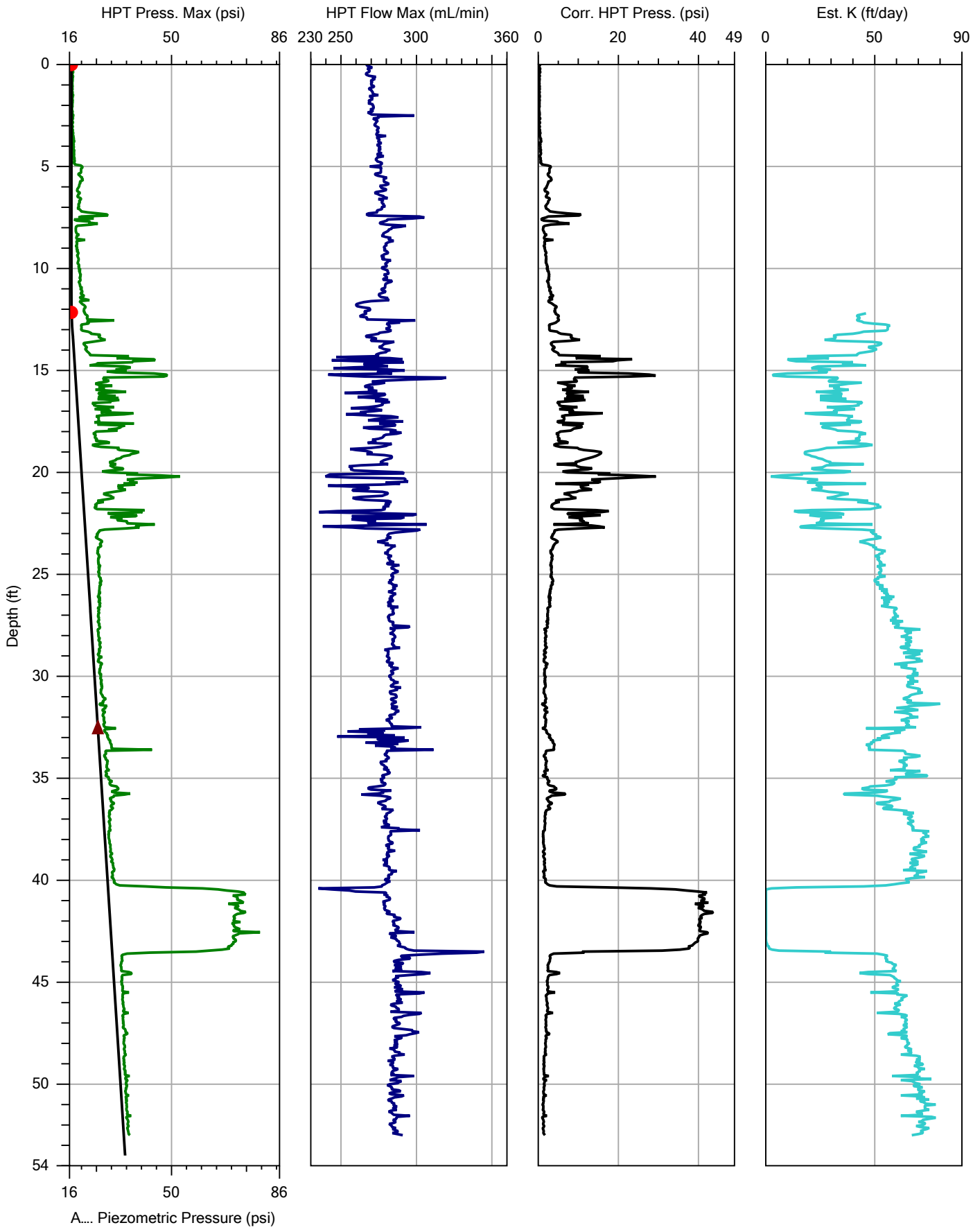
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Project ID:	Client: Ramboll	Location: Colonie,NY



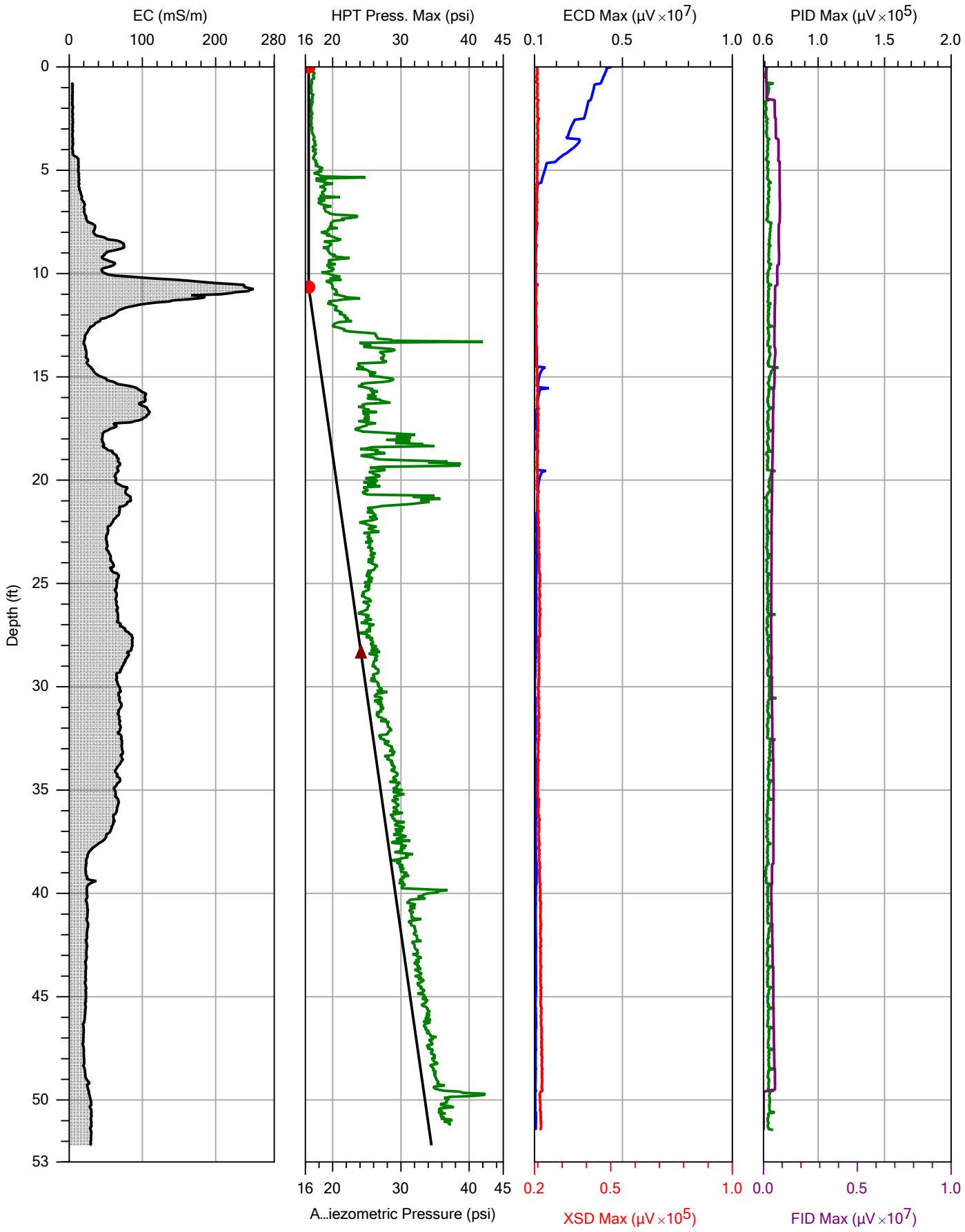
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Project ID:	Client: Ramboll	Location: Colonie,NY



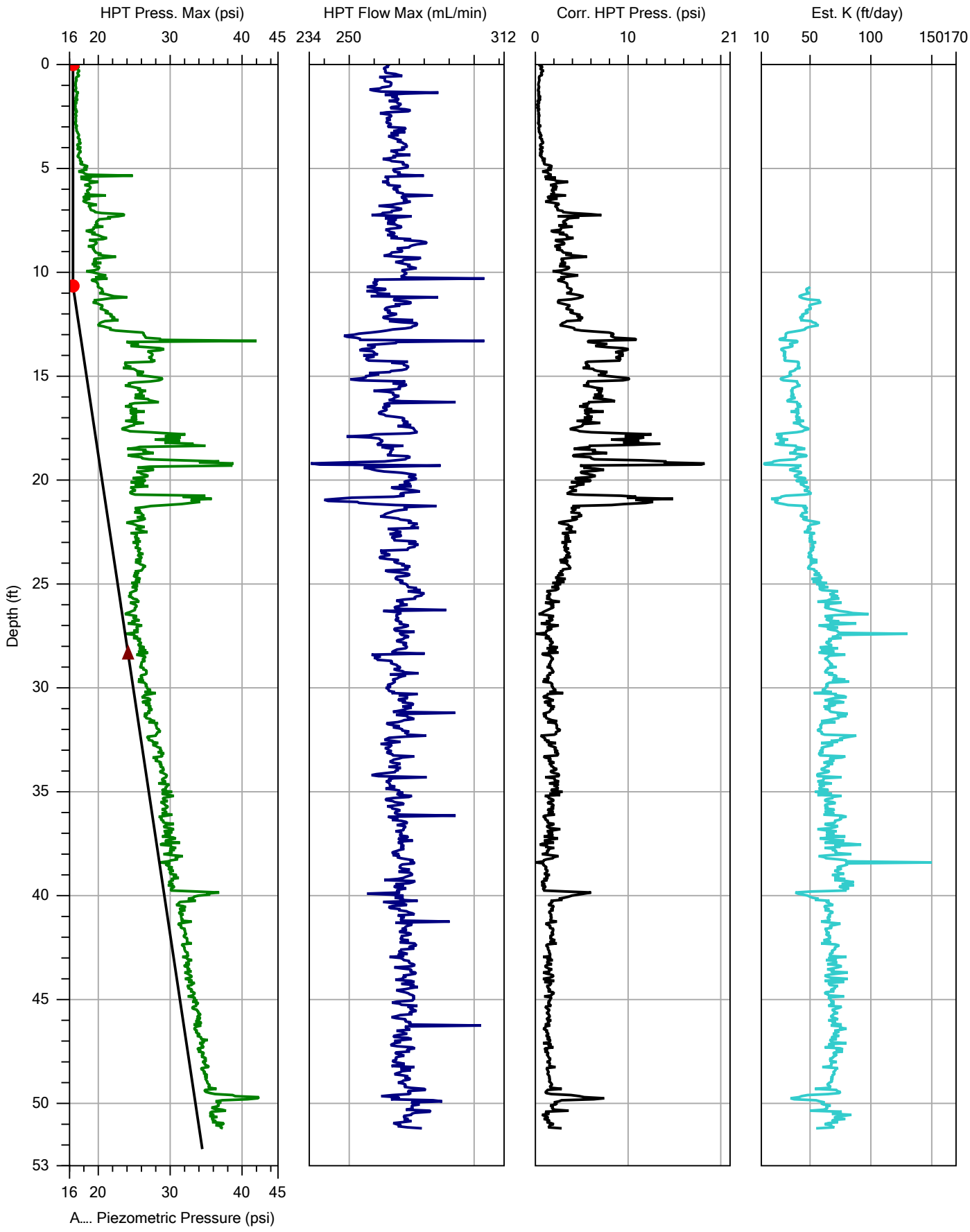
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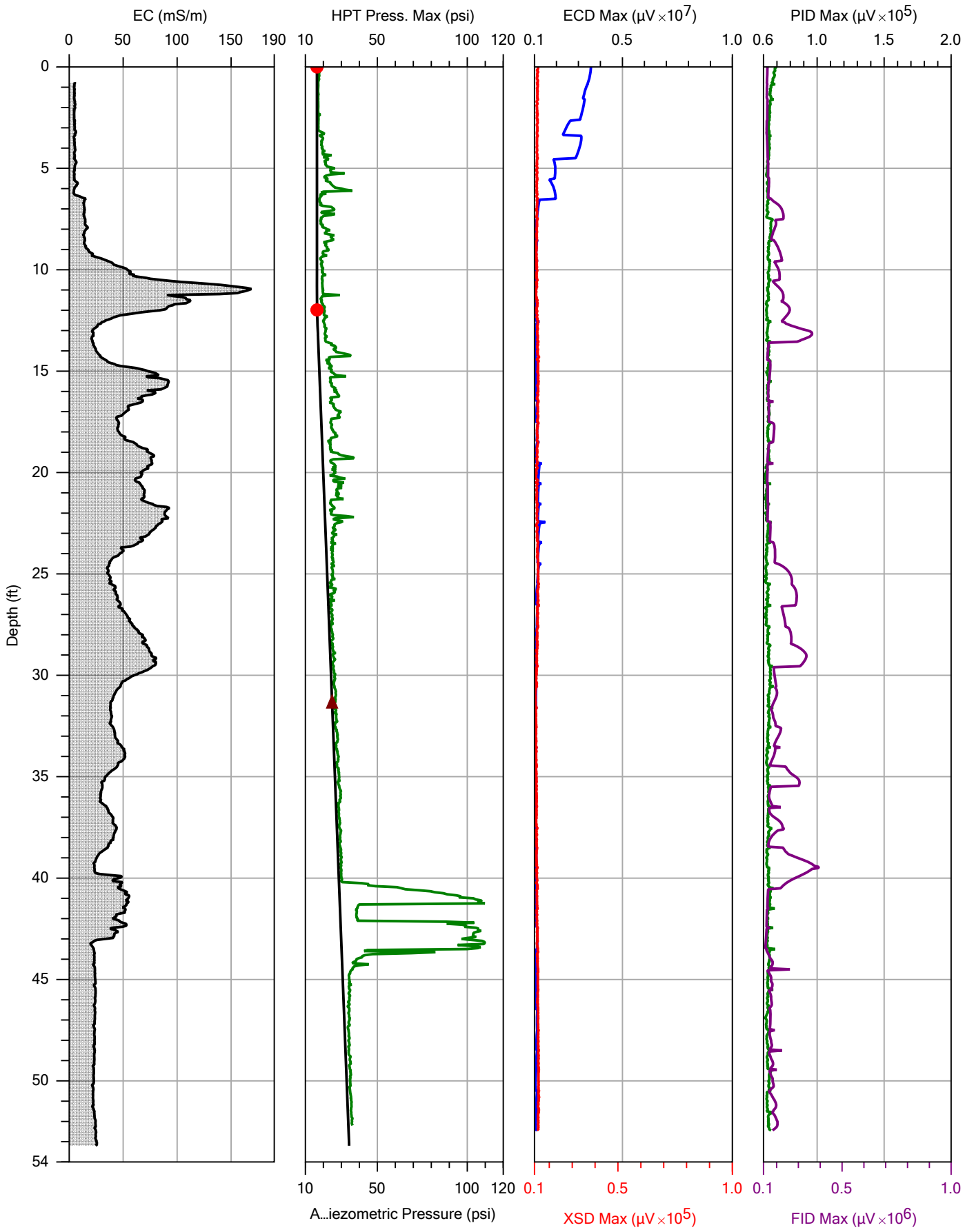
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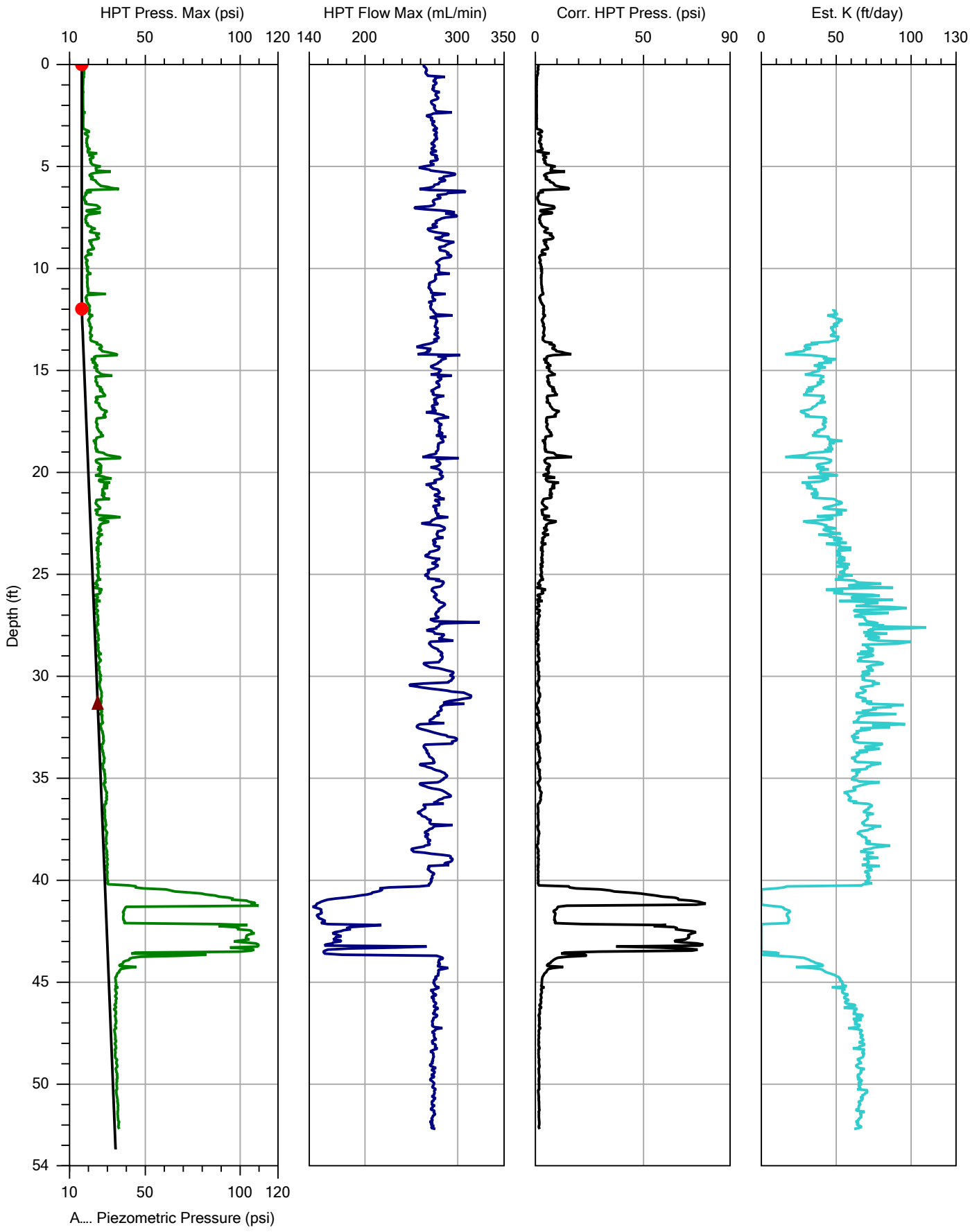
CASCADE
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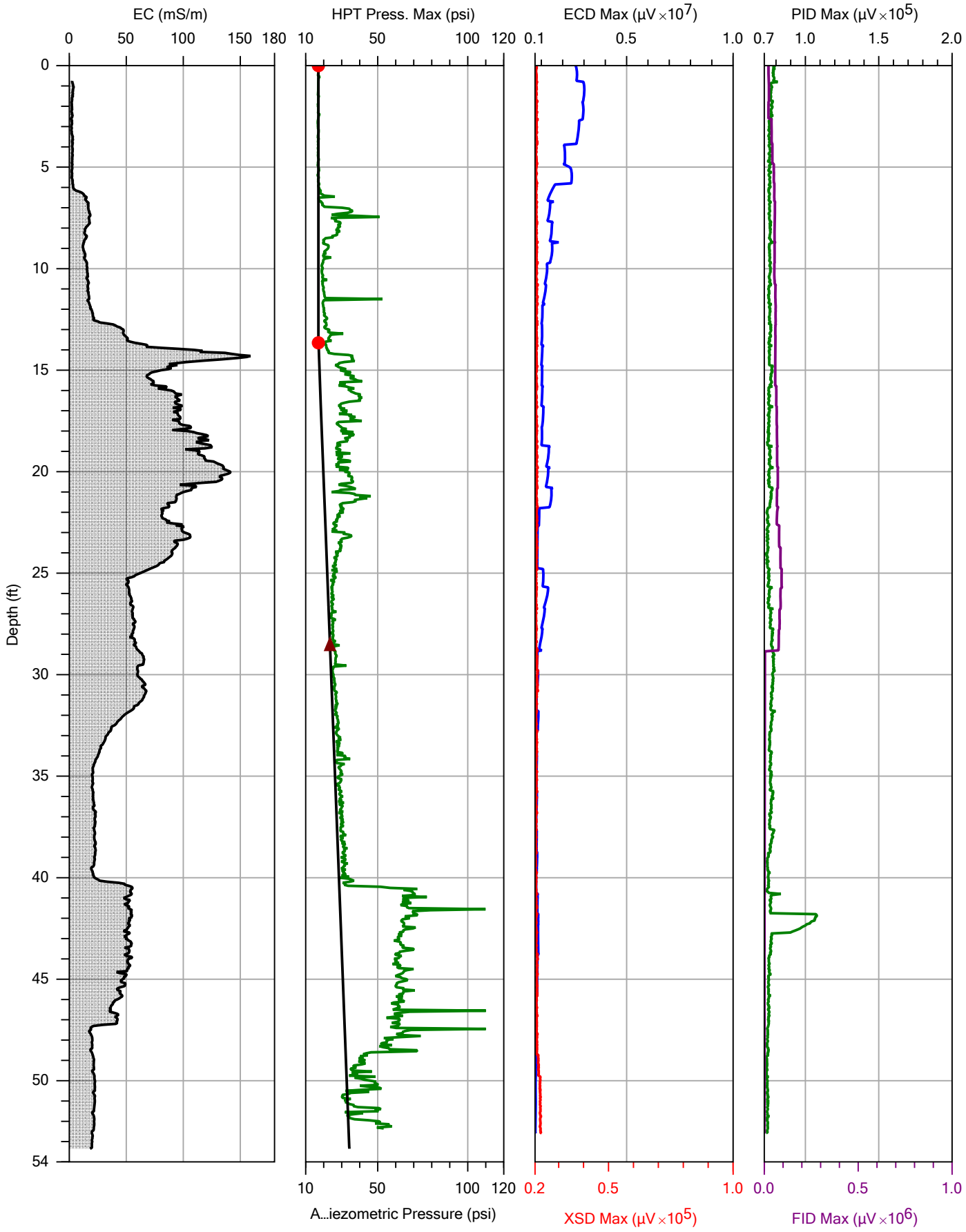
CASCADE
DRILLING | TECHNICAL SERVICES

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Project ID:	Client: Ramboll	Location: Colonie,NY



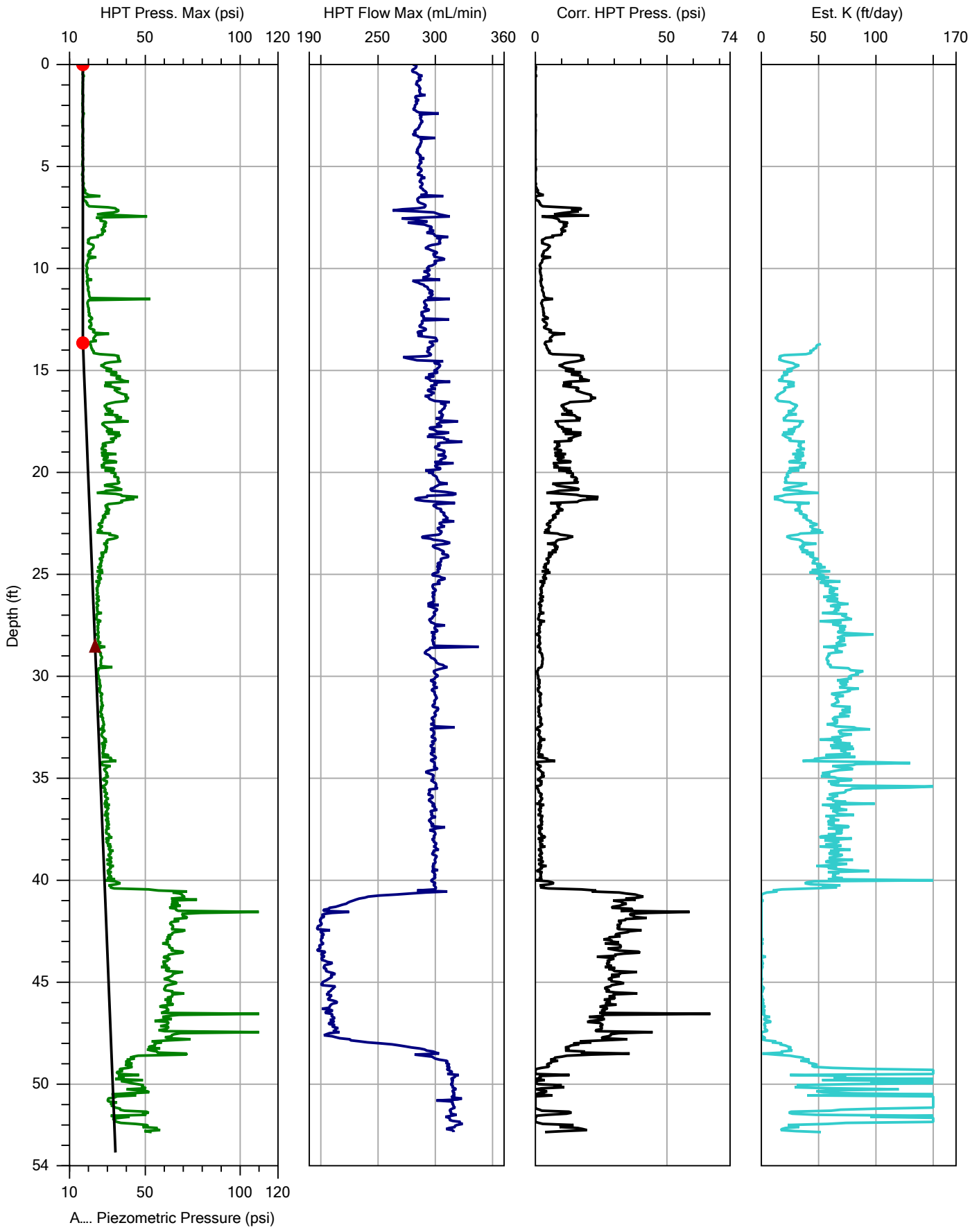
CASCADE
DRILLING | TECHNICAL SERVICES

Company: Cascade	Operator: Zach O	File: DS-04.MHP
		Date: 05/02/24
Project ID:	Client: Ramboll	Location: Colonie,NY



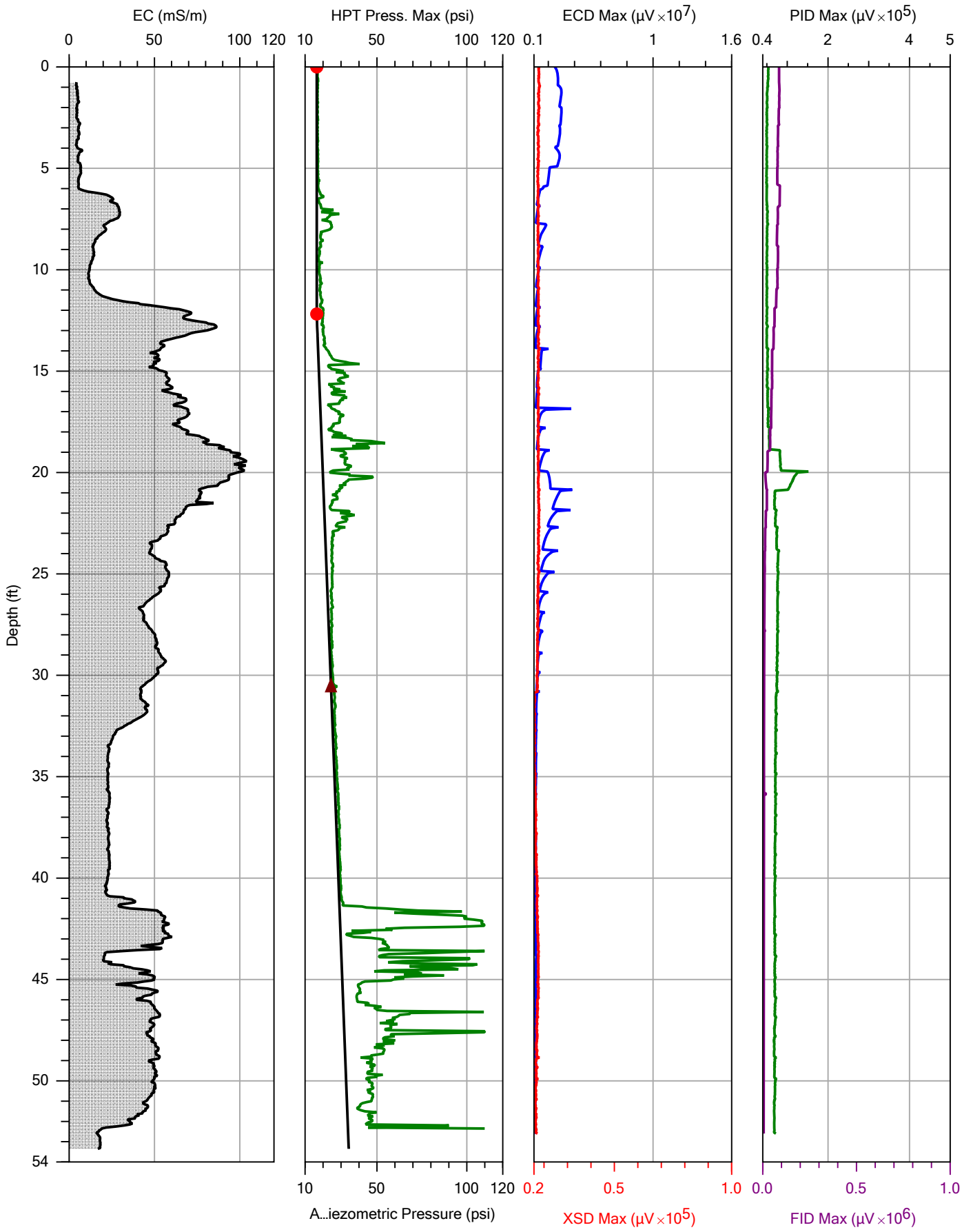
CASCADE
DRILLING | TECHNICAL SERVICES

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Company: Cascade	Operator: Zach O	Date: 05/03/24
Project ID:	Client: Ramboll	Location: Colonie,NY



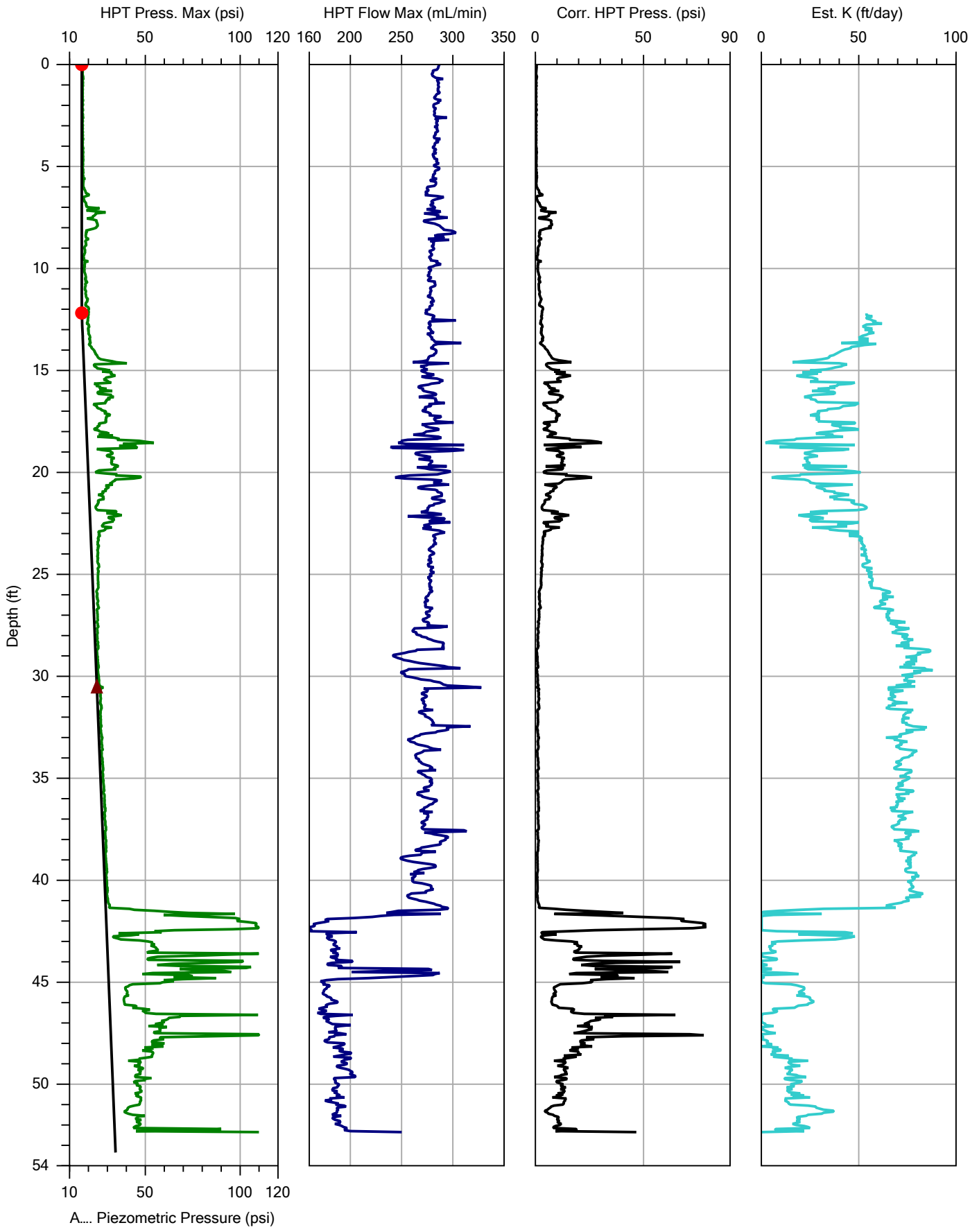
CASCADE
DRILLING | TECHNICAL SERVICES

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Company: Cascade	Operator: Zach O	Date: 05/03/24
Project ID:	Client: Ramboll	Location: Colonie,NY



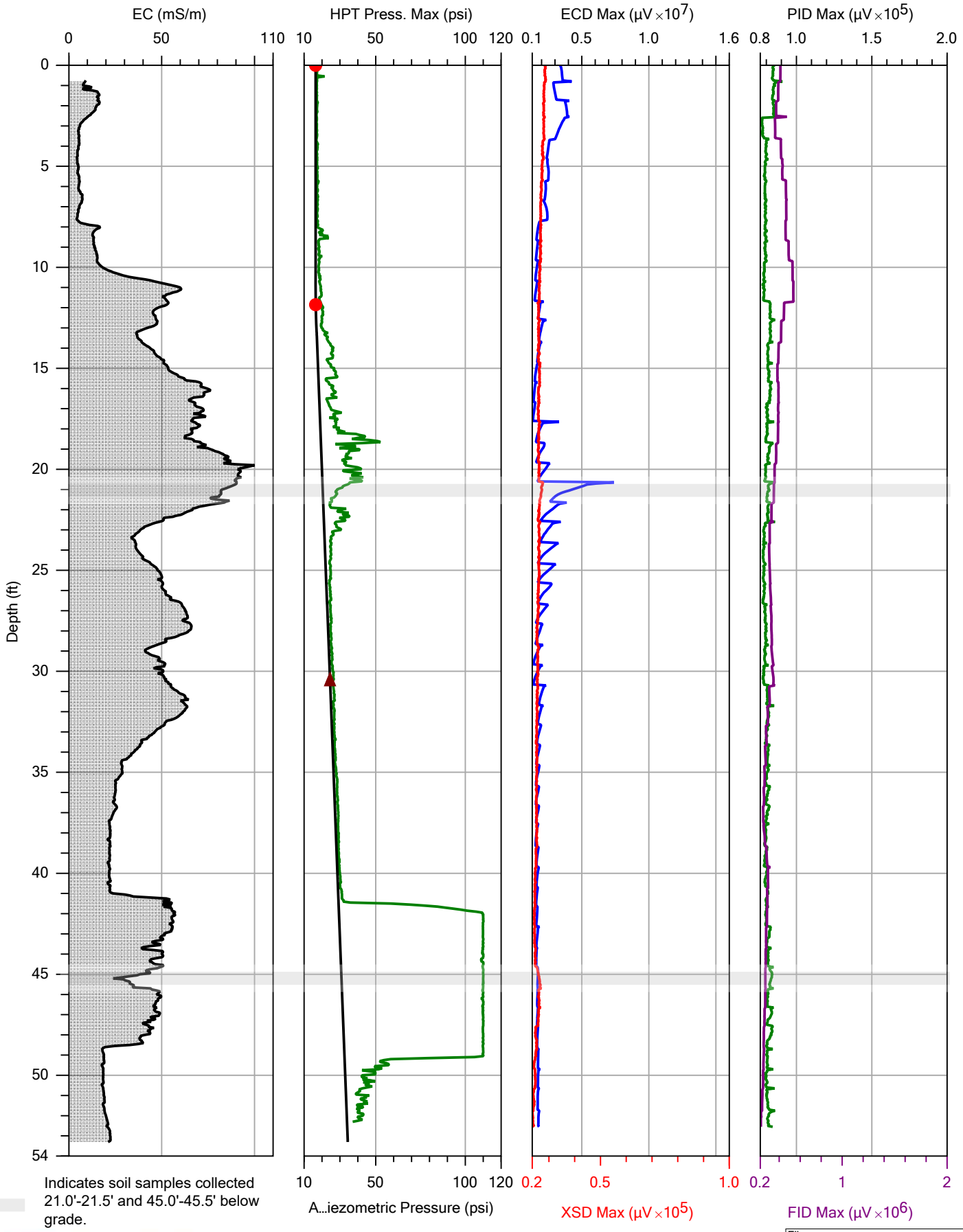
CASCADE
DRILLING | TECHNICAL SERVICES

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Company: Cascade	Operator: Zach O	Date: 05/02/24
Project ID:	Client: Ramboll	Location: Colonie,NY



CASCADE
DRILLING | TECHNICAL SERVICES

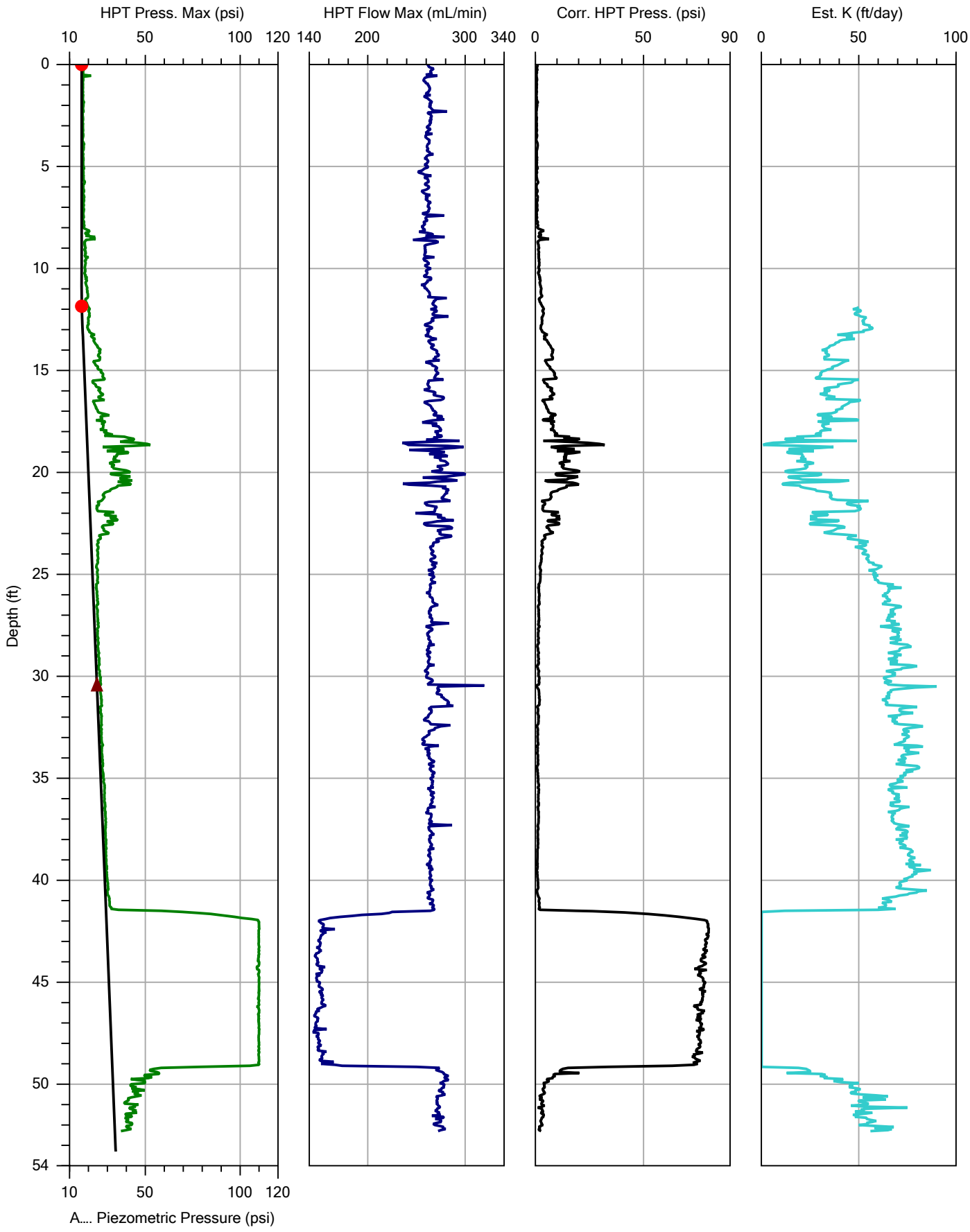
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Company: Cascade	Operator: Zach O	Date: 05/02/24
Project ID:	Client: Ramboll	Location: Colonie,NY



Indicates soil samples collected 21.0'-21.5' and 45.0'-45.5' below grade.

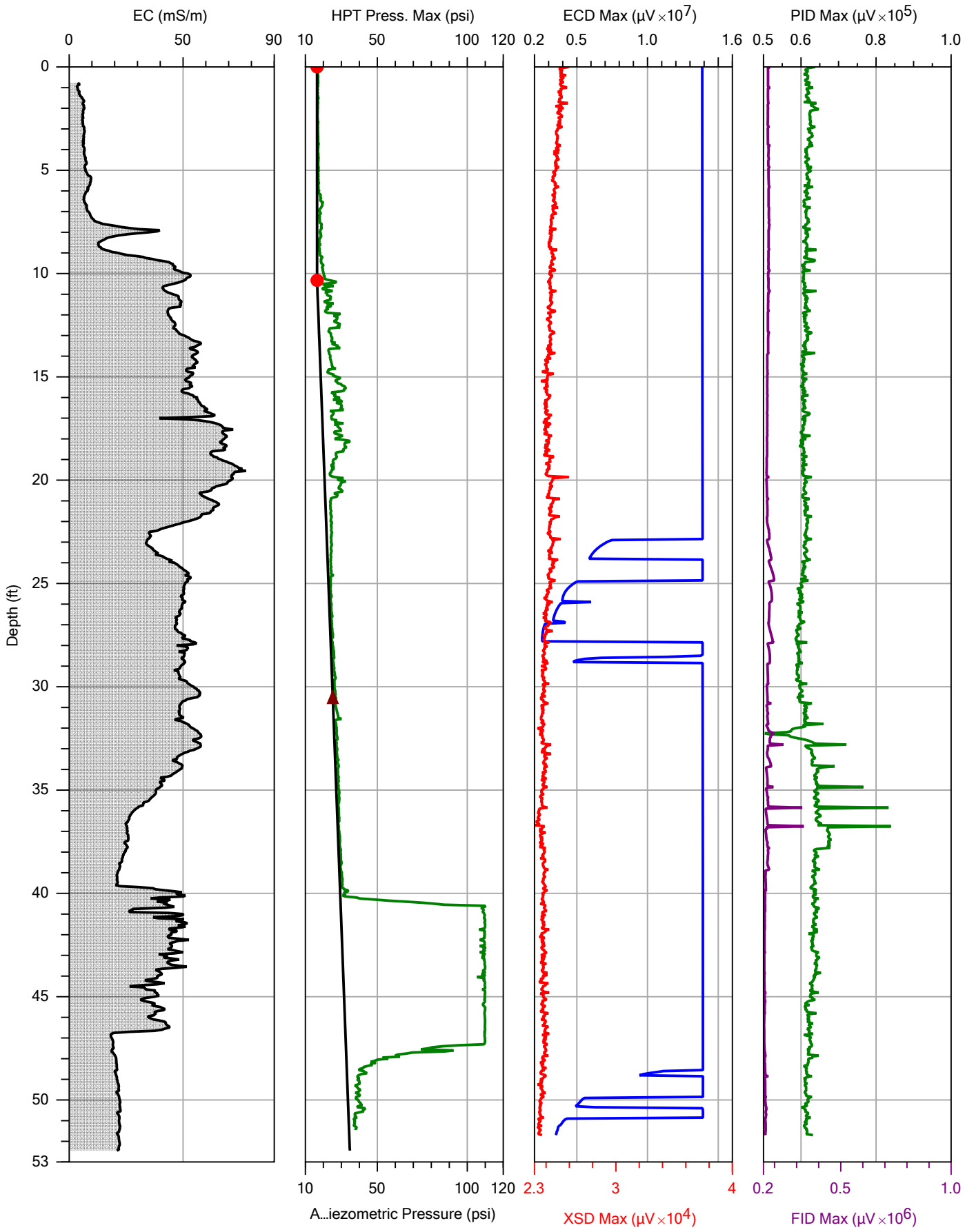
CASCADE
DRILLING | TECHNICAL SERVICES

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Company: Cascade	Operator: Zach O	Date: 05/02/24
Project ID:	Client: Ramboll	Location: Colonie,NY



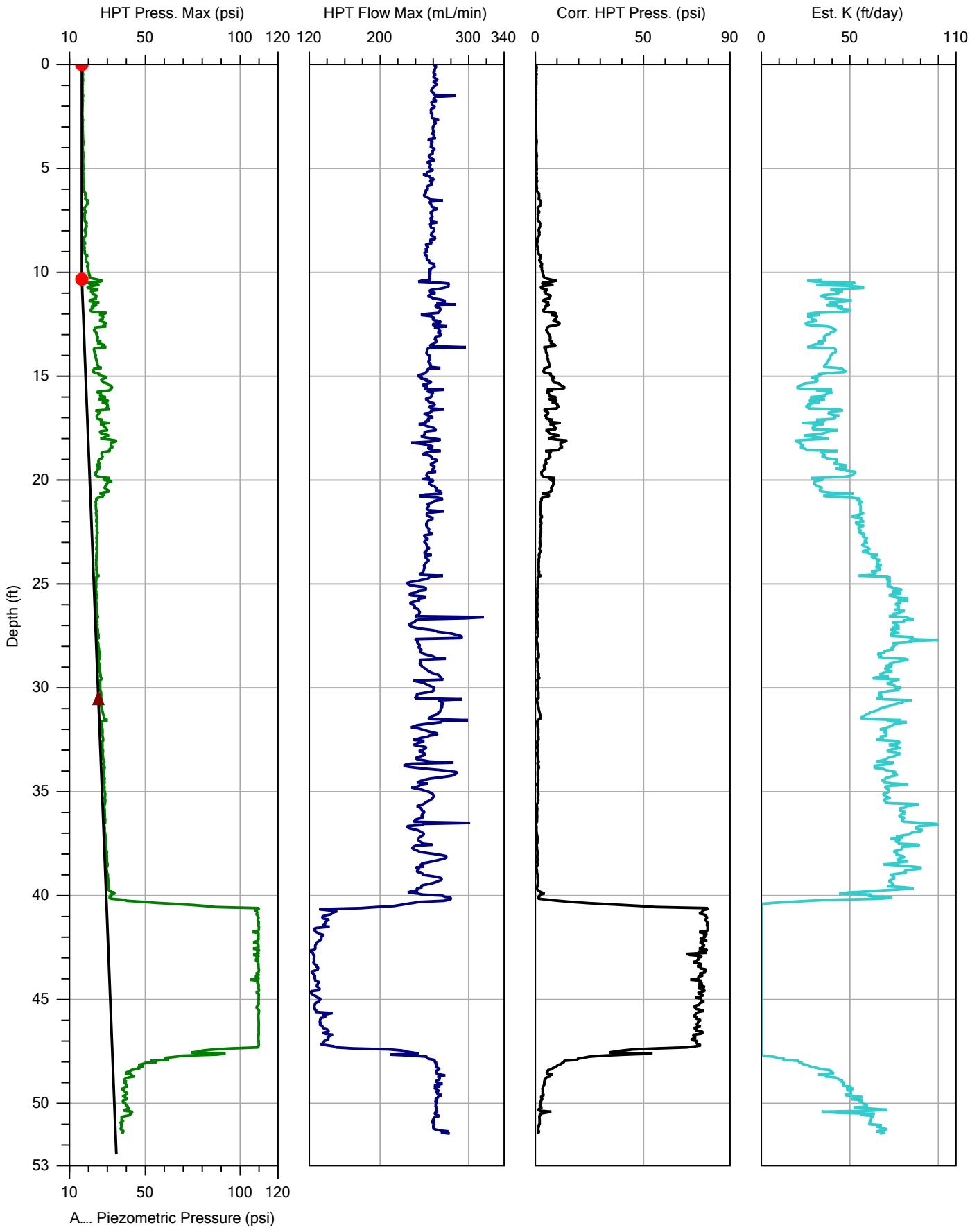
CASCADE
DRILLING | TECHNICAL SERVICES

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Company: Cascade	Operator: Zach O	Date: 05/02/24
Project ID:	Client: Ramboll	Location: Colonie,NY



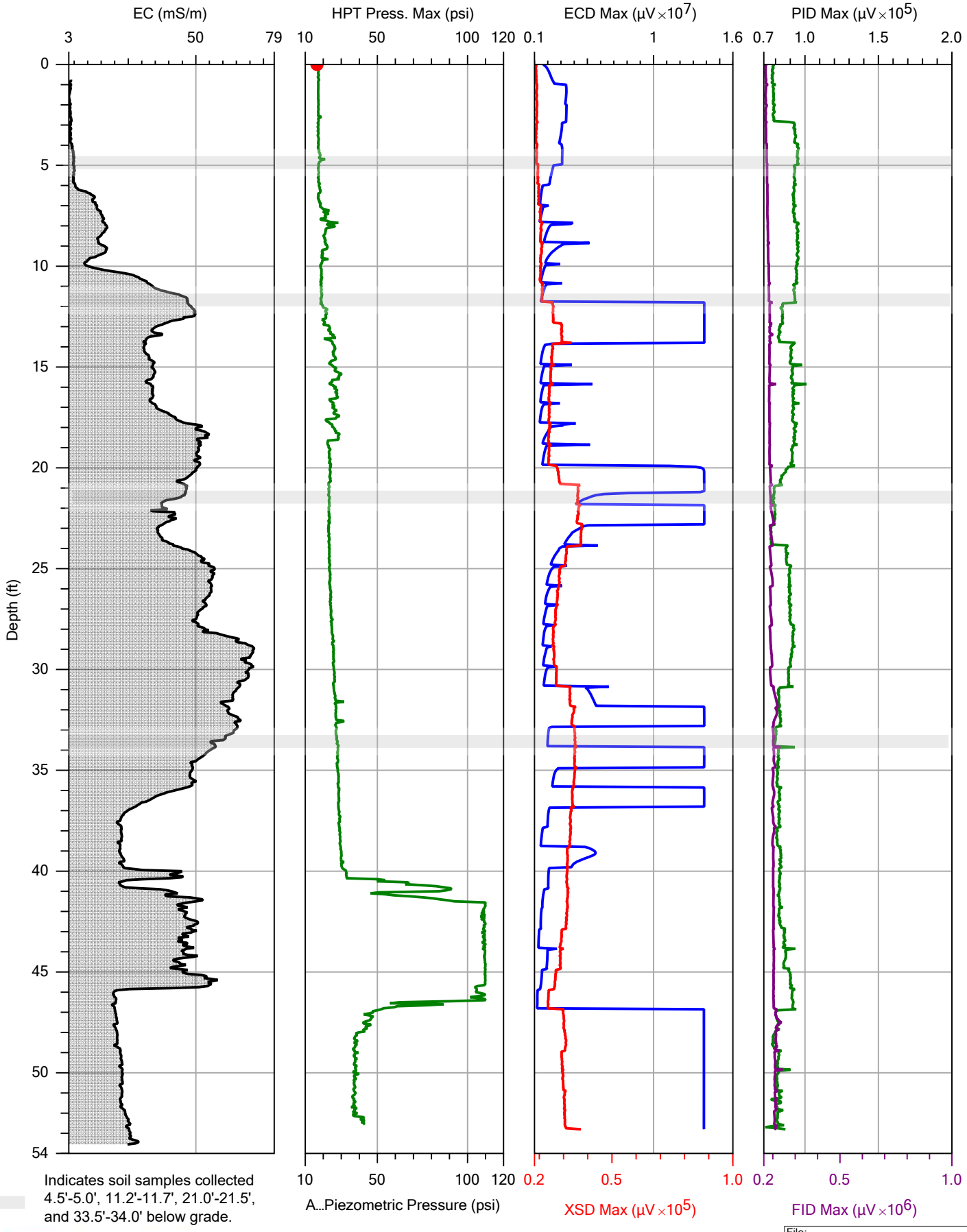
CASCADE
DRILLING | TECHNICAL SERVICES

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Company: Cascade	Operator: Zach O	Date: 05/01/24
Project ID:	Client: Ramboll	Location: Colonie,NY



CASCADE
DRILLING | TECHNICAL SERVICES

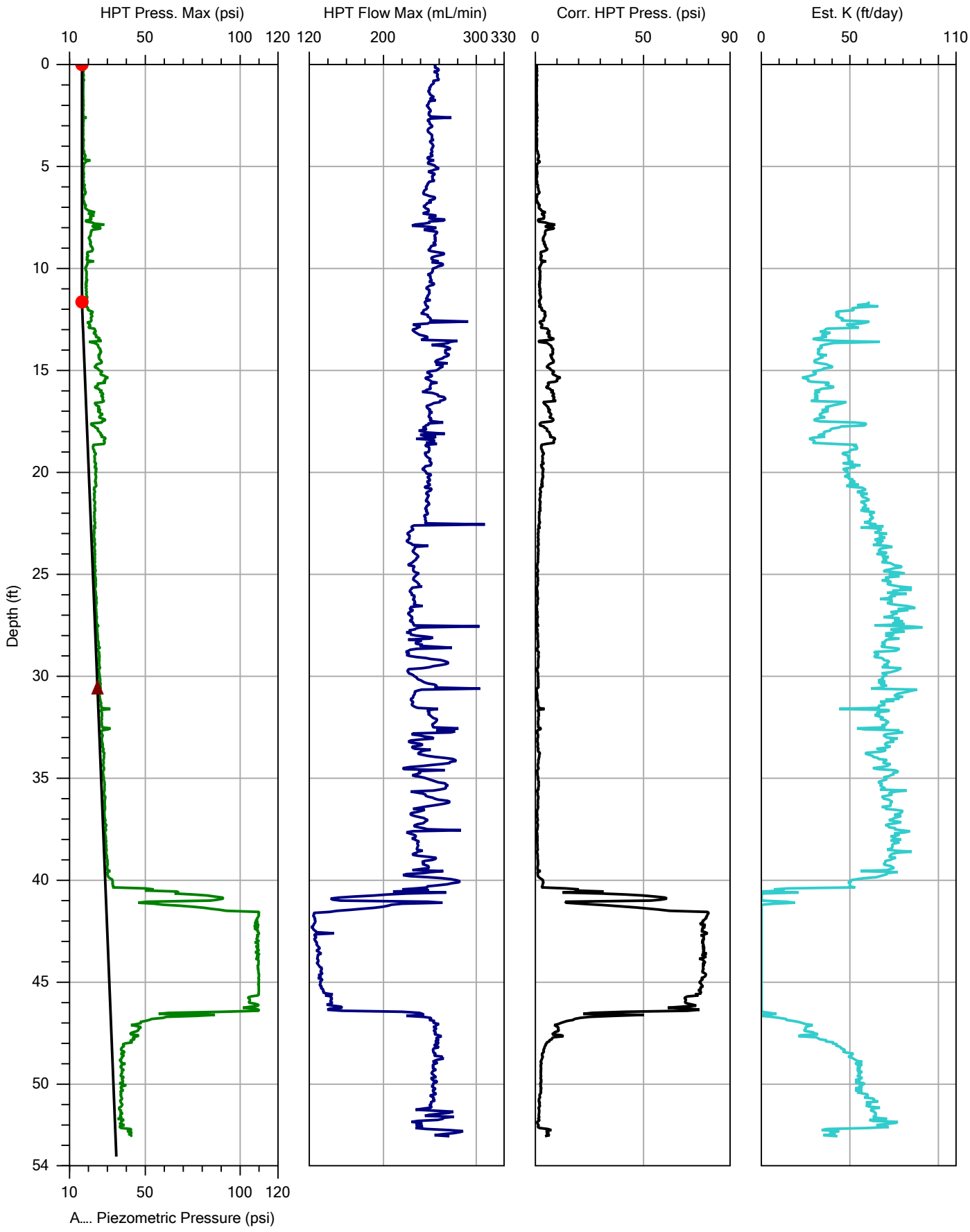
Company: Cascade	Operator: Zach O	File: DS-08.MHP
		Date: 05/01/24
Project ID:	Client: Ramboll	Location: Colonie,NY



Indicates soil samples collected 4.5'-5.0', 11.2'-11.7', 21.0'-21.5', and 33.5'-34.0' below grade.

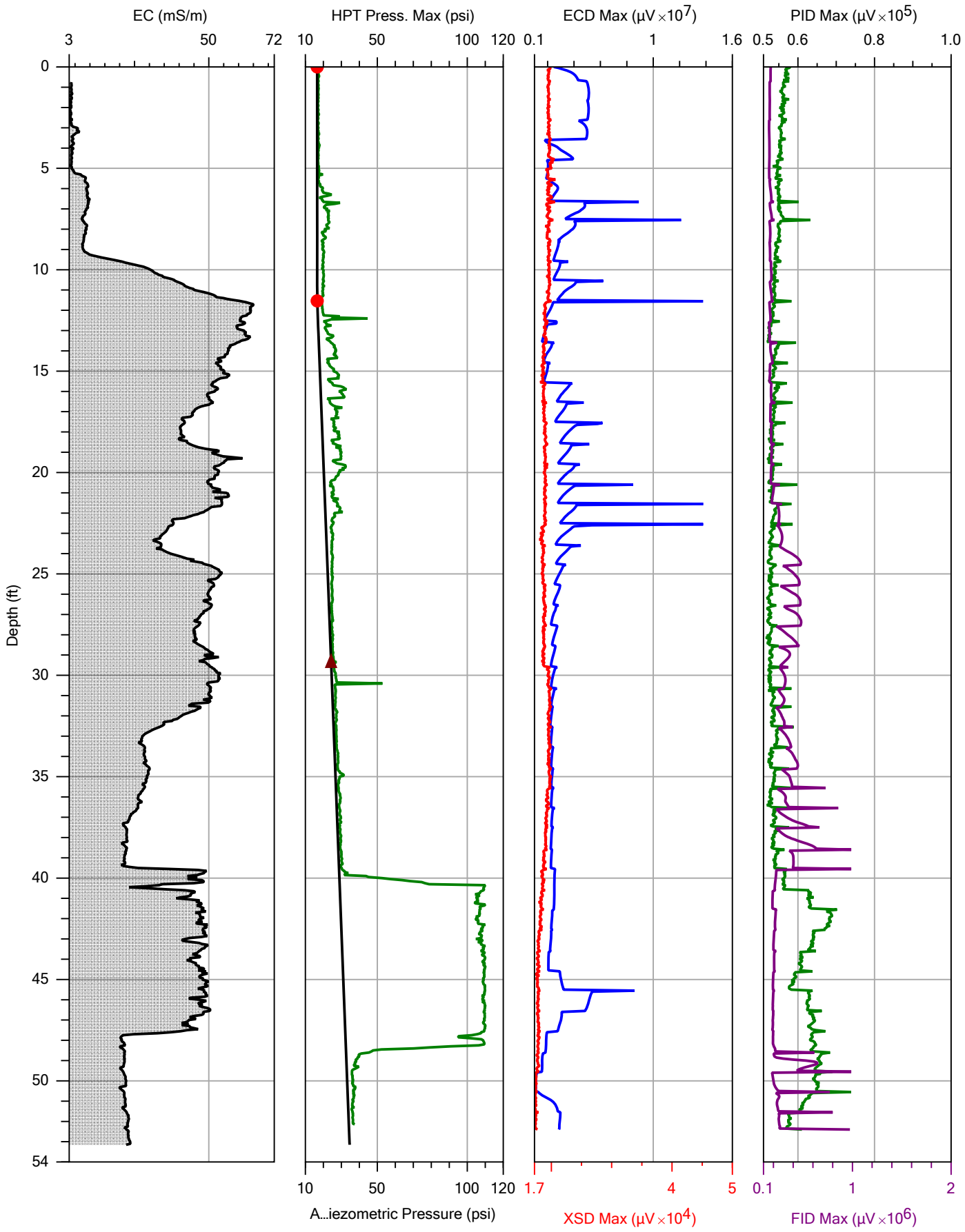
CASCADE
DRILLING | TECHNICAL SERVICES

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Company: Cascade	Operator: Zach O	Date: 05/01/24
Project ID:	Client: Ramboll	Location: Colonie,NY



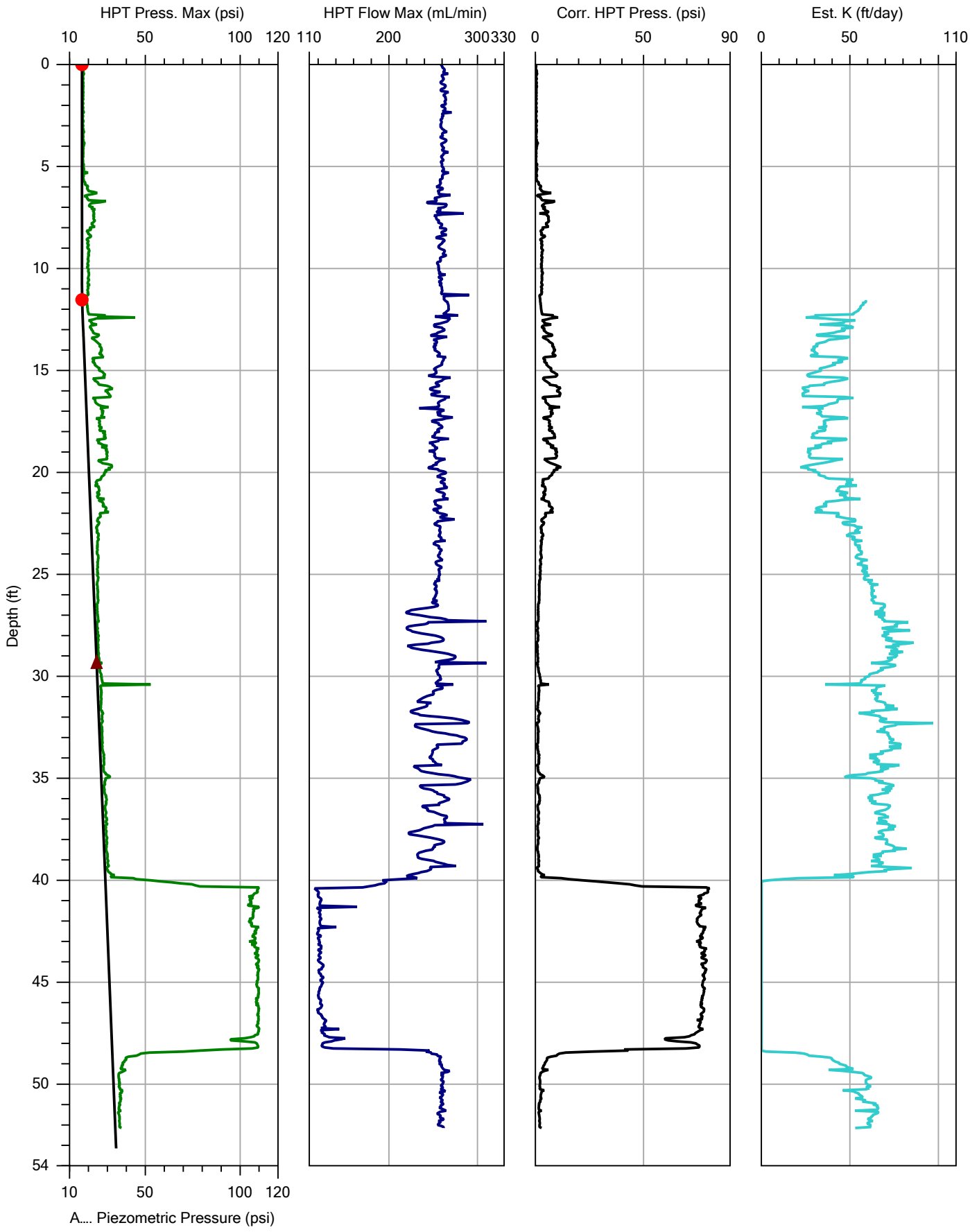
CASCADE
DRILLING | TECHNICAL SERVICES

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Company: Cascade	Operator: Zach O	Date: 05/01/24
Project ID:	Client: Ramboll	Location: Colonie,NY



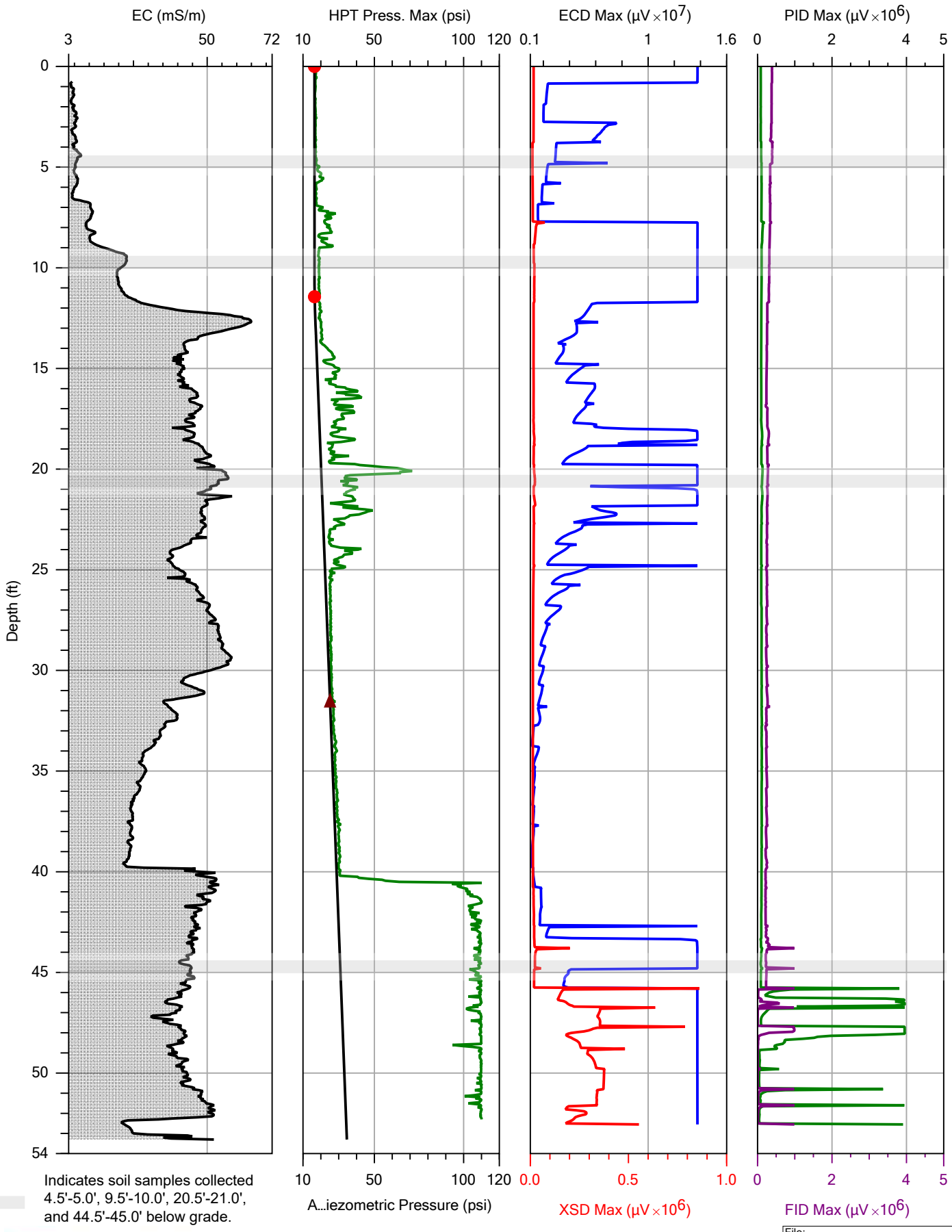
CASCADE
DRILLING | TECHNICAL SERVICES

		File: DS-10.MHP
Company: Cascade	Operator: Zach O	Date: 05/01/24
Project ID:	Client: Ramboll	Location: Colonie,NY



CASCADE
DRILLING | TECHNICAL SERVICES

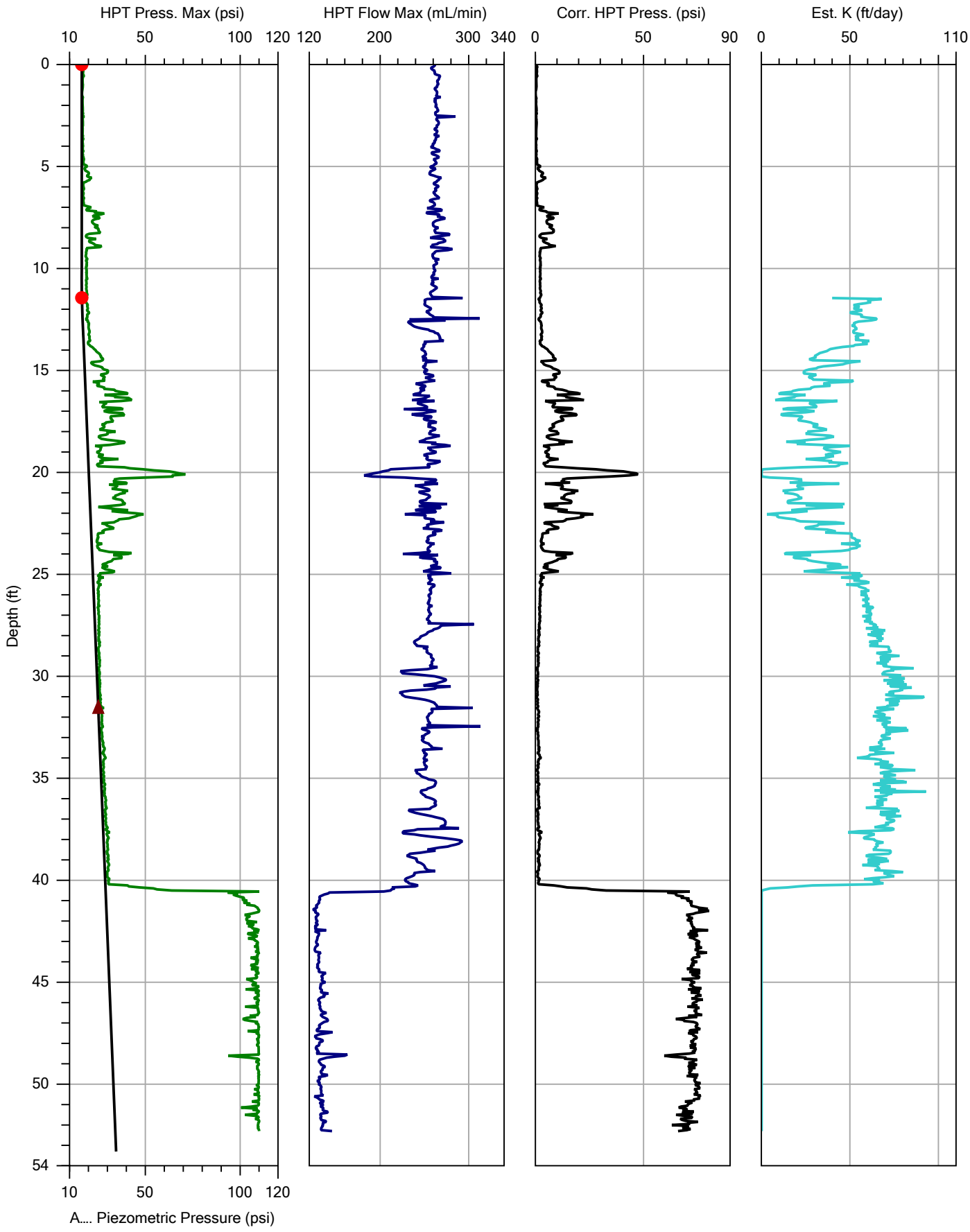
		File: DS-10.MHP
Company: Cascade	Operator: Zach O	Date: 05/01/24
Project ID:	Client: Ramboll	Location: Colonie,NY



Indicates soil samples collected 4.5'-5.0', 9.5'-10.0', 20.5'-21.0', and 44.5'-45.0' below grade.

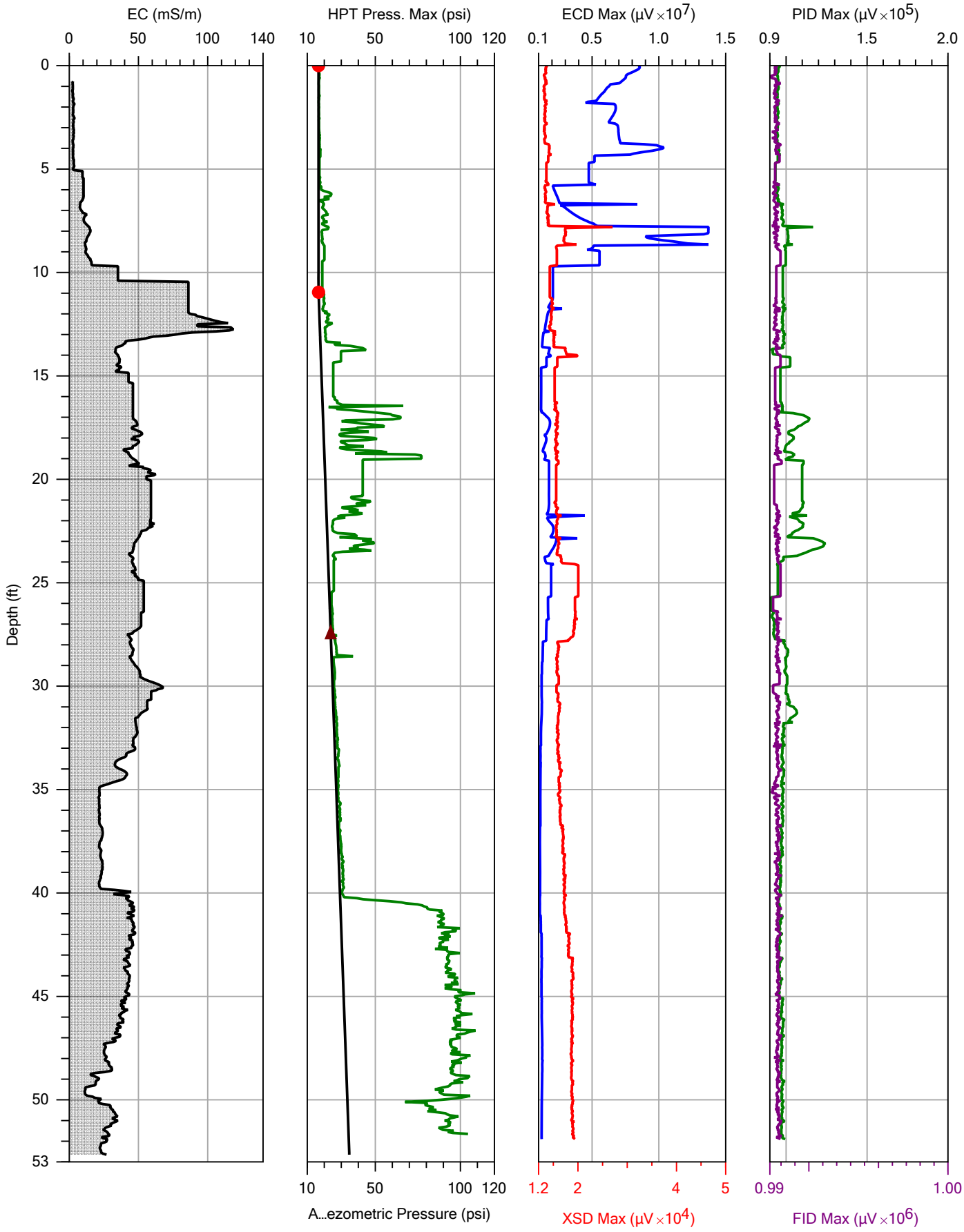
CASCADE
DRILLING | TECHNICAL SERVICES

		File: DS-11.MHP
Company: Cascade	Operator: Zach O	Date: 05/01/24
Project ID:	Client: Ramboll	Location: Colonie,NY



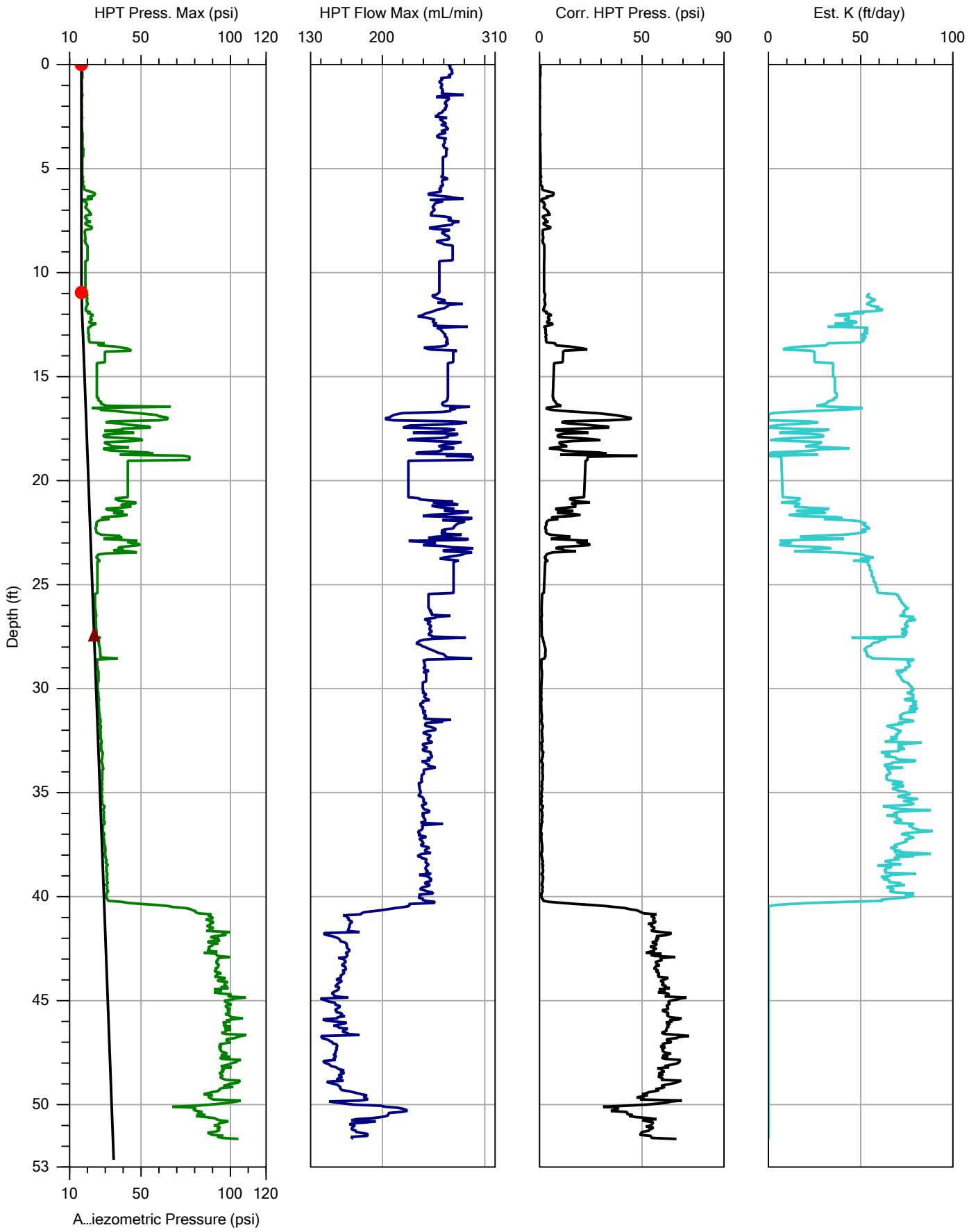
CASCADE
DRILLING | TECHNICAL SERVICES

		File: DS-11.MHP
Company: Cascade	Operator: Zach O	Date: 05/01/24
Project ID:	Client: Ramboll	Location: Colonie,NY



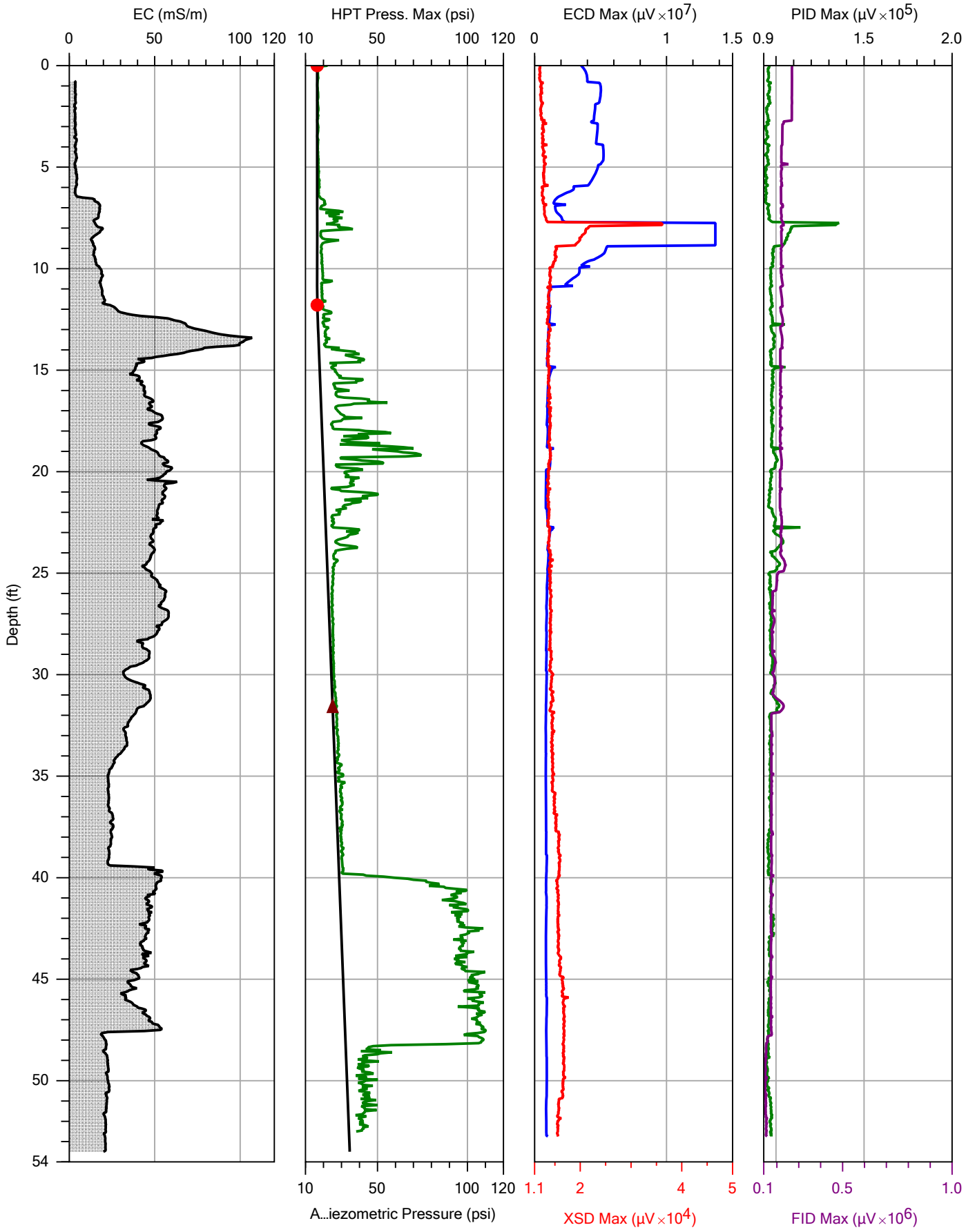
CASCADE
DRILLING | TECHNICAL SERVICES

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Company: Cascade	Operator: Zach O	Date: 04/30/24
Project ID:	Client: Ramboll	Location: Colonie,NY



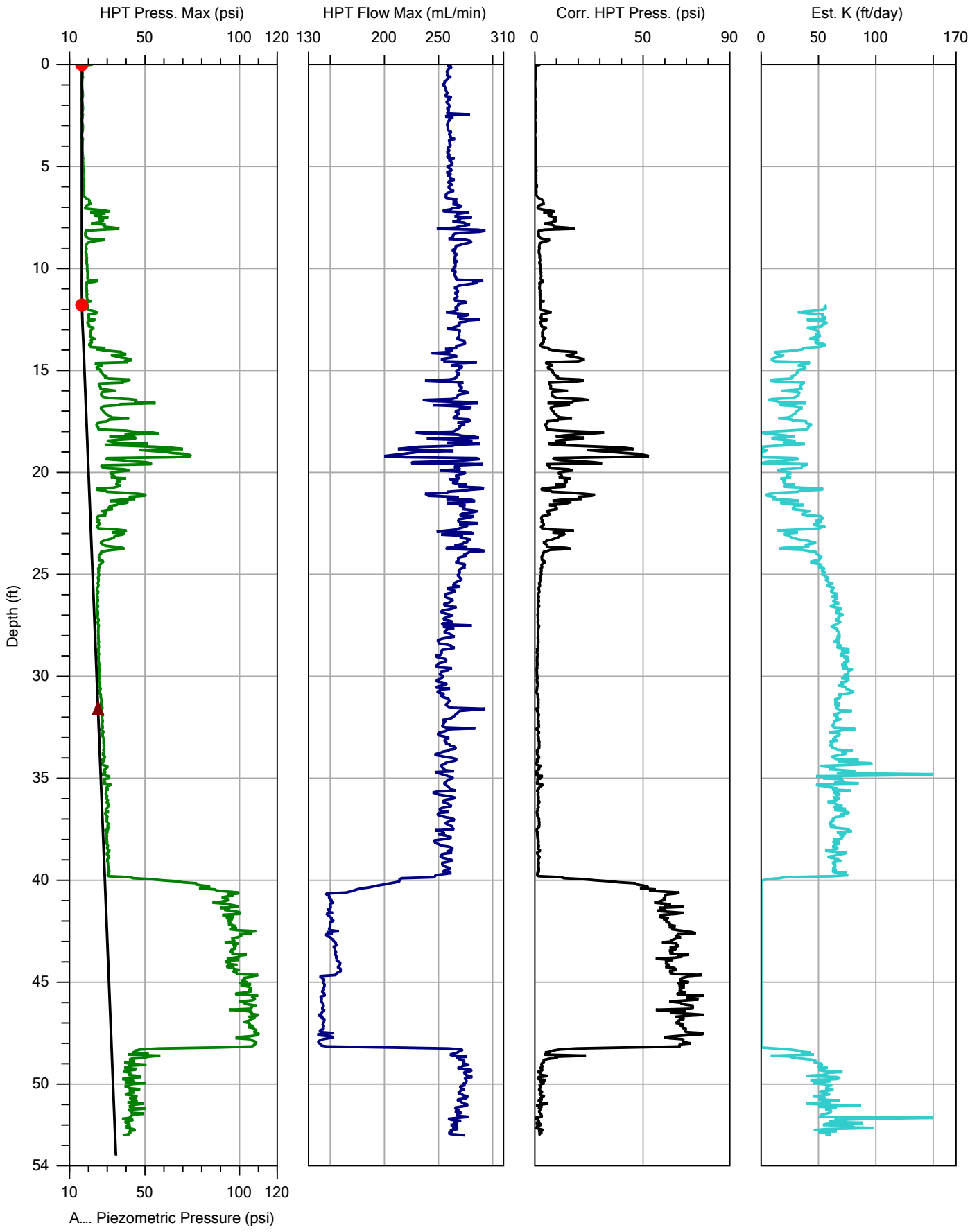
CASCADE
DRILLING | TECHNICAL SERVICES

		File: DS-12.MHP
Company: Cascade	Operator: Zach O	Date: 04/30/24
Project ID:	Client: Ramboll	Location: Colonie,NY



CASCADE
DRILLING | TECHNICAL SERVICES

		File: DS-13.MHP
Company: Cascade	Operator: Zach O	Date: 04/30/24
Project ID:	Client: Ramboll	Location: Colonie,NY



CASCADE
DRILLING | TECHNICAL SERVICES

		File: DS-13.MHP
Company: Cascade	Operator: Zach O	Date: 04/30/24
Project ID:	Client: Ramboll	Location: Colonie,NY

Appendix B
Soil Boring Logs

SOIL BORING LOG

BORING ID: SB-01
INSPECTOR: TRQ

PROJECT:	Silvestri Dry Cleaners	SITE NAME:	Silvestri Dry Cleaners	DATE STARTED:	5/6/2024
CLIENT:	NYSDEC	SITE LOC.:	69 Fuller Road Colonie NY	DATE COMPLETED:	5/6/2024
JOB #:	1940104021				

DRILLER:	Cascade Drilling, L.P.	DRILLING METHOD:	Direct-Push	NORTHING:	1409201.62
FOREMAN:	Jeff V.	SAMPLER TYPE:	Macrocore	EASTING:	674043.65
RIG TYPE:	Geoprobe 7822DT	SAMPLER DIAM:	2.0" OD/1.75" ID	ELEVATION:	262.2
PURPOSE:	MW Installation	FINAL STATIC WL:	7.5 ft bmp	DATUM:	Ground Surface

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
						PID (ft bmp)	PID (ppm)
1	0	5	5/2.3	0.0-2.5 ft: Light brown, dry, loose, medium grain SAND, little medium grain gravel, trace asphalt at the top of core. No odor.	SAND	0	0
				2.5-5.0 ft: Light brown, dry, compact fine grain SAND, no odors, no sheen, trace fine gravel/coarse sand			
2	5	10	5/5	5.0-7.5 ft: Light brown, dry, compact fine grain SAND, no odors, trace fine gravel. Water table at 7.5'.	SAND	5	0
				7.5-10.0 ft: Med brown medium grained SAND, wet, no odor no PID, fairly compact. Poorly sorted			
3	10	15	5/5	10.0-13.7 ft: Med brown medium and fine grain SAND, little silt, trace gravel, semi-compact, no odor, wet	SAND	10	0
				13.7-15.0 ft: Dark brown compact fine SAND, little silt, trace coarse rounded gravel, no odor, wet.			
4	15	20	5/5	15.0-20.0 ft: Dark brown compact fine SAND, little silt, trace coarse rounded gravel, no odor, wet, well sorted.	SAND	15	0
5	20	25	5/5	20.0-21.5 ft: Dark brown compact fine SAND, little silt, trace coarse rounded gravel, no odor.	SAND	20	0
				21.5-25.0 ft: Light brown semi compact fine SAND, trace silt, moist, no odor.			
6	25	30	5/5	25.0-30.0 ft: Light brown semi compact fine SAND, trace fine silt, moist, no odor.	SAND	25	0
7	30	35	5/5	30.0-35.0 ft: Medium gray wet fine SAND, darker streaking present, trace fine silt, no odor, loose, weathered.	SAND	30	0

NOTES: Sample SB-01-6.5-7.0-050624; 1025; collected for TCL VOCs by USEPA Method 8260C.

RAMBOLL

SOIL BORING LOG

BORING ID: SB-01

INSPECTOR: TRQ

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
						PID (ft bmp)	PID (ppm)
8	35	40	5/5	35.0-40.0 ft: Medium gray wet fine SAND, darker streaking present, trace fine silt, no odor, loose, rounded.	SAND	35	0
9	40	45	5/5	40.0-45.0 ft: Medium gray dense CLAY, no odor, plasticity present, trace fine silt.	CLAY	40	0
10	45	50	5/5	45.0-50.0 ft: Dark gray fine SAND, some fine silt, wet, no odor.	SAND	45	0
				End of boring at 50.0' below grade.			

NOTES: Sample SB-01-40.0-40.5-050624; 1330; collected for TCL VOCs by USEPA Method 8260C.

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SOIL BORING LOG

BORING ID: SB-07
INSPECTOR: TRQ

PROJECT:	Silvestri Dry Cleaners	SITE NAME:	Silvestri Dry Cleaners	DATE STARTED:	5/7/2024
CLIENT:	NYSDEC	SITE LOC.:	69 Fuller Road Colonie NY	DATE COMPLETED:	5/7/2024
JOB #:	1940104021				

DRILLER:	Cascade Drilling, L.P.	DRILLING METHOD:	Direct-Push	NORTHING:	1409104.30
FOREMAN:	Jeff V.	SAMPLER TYPE:	Macrocore	EASTING:	674149.49
RIG TYPE:	Geoprobe 7822DT	SAMPLER DIAM:	2.0" OD/1.75" ID	ELEVATION:	261.8
PURPOSE:	MW Installation	FINAL STATIC WL:	8.7 ft bmp	DATUM:	Ground Surface

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
						PID (ft bmp)	PID (ppm)
1	0	5	5/2.8	0.0-6.2 ft: Light brown medium grain SAND, black sand streaks present, dry, no odor, rounded, trace coarse gravel.	SAND	0	0
2	5	10	5/4.0	6.2-8.7 ft: Dry uniform medium brown, medium grain rounded SAND. No odor.	SAND	5	0
				8.7-11.4 ft: Wet, same as above.			
3	10	15	5/4.0	11.4-17.0 ft: Wet, loose, light brown silty fine SAND. No odor.	SAND	10	0
4	15	20	5/5		SAND	15	0
				17.0-23.8 ft: Compact, wet silty SAND, fine grain, no odor, no streaking.			
5	20	25	5/5		SAND	20	0
6	25	30	5/3.8	23.8-29.0 ft: Compact, wet silty SAND, fine grained, trace coarse rounded gravel, no odor.	SAND	25	0
				29.0-35.0 ft: Same as above.			
7	30	35	5/4.5		SAND	30	0

NOTES: Sample SB-07-21.0-21.5-050724; 0915; collected for TCL VOCs by USEPA Method 8260C and expanded list of parameters.

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RAMBOLL

SOIL BORING LOG

BORING ID: SB-07

INSPECTOR: TRQ

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
						PID (ft bmp)	PID (ppm)
8	35	40	5/5	35.0-40.0 ft: Loose, wet, fine silty SAND, medium brown, no odor, no streaks.	SAND	35	0
9	40	45	5/0	No sample. Unable to extract acetate sleeve from sampler. Discussed with NYSDEC while they were on-site.	No Recovery		
10	45	50	5/5	45.0-50.0 ft: Dense, medium gray CLAY, low moisture, very hard, no odor.	CLAY	45	0
				End of boring at 50.0' below grade.			

NOTES: Sample SB-07-45.0-45.5-050724; 1212; collected for TCL VOCs by USEPA Method 8260C.

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RAMBOLL

SOIL BORING LOG

BORING ID: SB-09
INSPECTOR: TRQ

PROJECT:	Silvestri Dry Cleaners	SITE NAME:	Silvestri Dry Cleaners	DATE STARTED:	5/7/2024
CLIENT:	NYSDEC	SITE LOC.:	69 Fuller Road Colonie NY	DATE COMPLETED:	5/8/2024
JOB #:	1940104021				

DRILLER:	Cascade Drilling L.P.	DRILLING METHOD:	Direct-Push	NORTHING:	1409092.81
FOREMAN:	Jeff V.	SAMPLER TYPE:	Macrocore	EASTING:	674116.38
RIG TYPE:	Geoprobe 7822DT	SAMPLER DIAM:	2.0" OD/1.75" ID	ELEVATION:	261.3
PURPOSE:	MW Installation	FINAL STATIC WL:	8.8 ft bmp	DATUM:	Ground Surface

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
						PID (ft bmp)	PID (ppm)
1	0	5	5/2.5	0.0-8.8 ft: Light brown dry SAND, some organics, dry, trace medium gravel, no odor.	SAND	0	0
2	5	10	5/4		SAND	5	0
3	10	15	5/5	8.8-12.5 ft: Medium brown silty SAND, dense, wet, little coarse sand and fine gravel, faint odor.	SAND	10	0.6
4	15	20	5/4.5	12.5-20.0 ft: Light brown silty SAND, loose, trace fine gravel, no odor.	SAND	15	0
5	20	25	5/4	20.0-35.0 ft: Light brown SAND, little silt, trace fine gravel, no odor.	SAND	20	0
6	25	30	5/5		SAND	25	0
7	30	35	5/5		SAND	30	0

NOTES: Samples SB-09-4.5-5.0-050724, SB-09-11.2-11.7-050724, and SB-09-21.0-21.5-050824; 1410, 1425, 0855, collected for TCL VOCs by USEPA Method 8260C.

Sample SB-09-33.5-34.0-050824; 0940, collected for TCL VOCs by USEPA Method 8260C and expanded parameters

RAMBOLL

SOIL BORING LOG

BORING ID: SB-09

INSPECTOR: TRQ

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
						PID (ft bmp)	PID (ppm)
8	35	40	5/5	35.0-40.2 ft: Dark brown SAND, loose, wet, trace silt, no odor.	SAND	35	0
9	40	45	5/4	40.2-44.8 ft: Blue gray dense CLAY, hard, high plasticity, moist, no odor.	CLAY	40	0
10	45	50	5/5	44.8-50.0 ft: Gray silty SAND, fine grain, rounded, wet, no odor.	SAND	45	0
				End of boring at 50.0' below grade.			

NOTES:

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RAMBOLL

SOIL BORING LOG

BORING ID: SB-11
INSPECTOR: TRQ

PROJECT:	Silvestri Dry Cleaners	SITE NAME:	Silvestri Dry Cleaners	DATE STARTED:	5/8/2024
CLIENT:	NYSDEC	SITE LOC.:	69 Fuller Road Colonie NY	DATE COMPLETED:	5/8/2024
JOB #:	1940104021				

DRILLER:	Cascade Drilling L.P.	DRILLING METHOD:	Direct-Push	NORTHING:	1409125.75
FOREMAN:	Jeff V.	SAMPLER TYPE:	Macrocore	EASTING:	674089.16
RIG TYPE:	Geoprobe 7822DT	SAMPLER DIAM:	2.0" OD/1.75" ID	ELEVATION:	261.9
PURPOSE:	MW Installation	FINAL STATIC WL:	8.6 ft bmp	DATUM:	Ground Surface

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
						PID (ft bmp)	PID (ppm)
1	0	5	5/3.5	0.0-8.6 ft: Silty SAND, asphalt at top of core, dry, semi-compact, slight odor, trace fine gravel.	SAND	0	0
2	5	10	5/4.5		SAND	5	0.2
3	10	15	5/5	8.6-11.0 ft: Dark brown, wet SAND, some Silt, trace fine gravel, odor present.	SAND	9.5	9.1
				11.0-20.0 ft: Medium brown SAND, some silt, trace coarse gravel, moist, semi-compact, slight odor.	SAND	10.5	3.6
4	15	20	5/5		SAND	15	2.5
5	20	25	5/5	20.0-28.8 ft: Light brown/tan loose wet SAND, little silt, trace fine gravel, no odor.	SAND	20	0
6	25	30	5/3.5		SAND	25	0
7	30	35	5/4.5	28.8-35.0 ft: Medium brown SAND, loose, moist, no odor.	SAND	30	0

NOTES: Samples SB-11-4.5-5.0-050824, SB-11-9.5-10.0-050824, and SB-11-20.5-21.0-050824; 1235, 1255, 1315, collected for TCL VOCs by USEPA Method 8260C.

RAMBOLL

SOIL BORING LOG

BORING ID: SB-11

INSPECTOR: TRQ

Sample No.	Sample Start Depth (ft.)	Sample End Depth (ft.)	Penetration / Recovery	MATERIAL DESCRIPTION	General Stratum Descrip.	Field Testing	
						PID (ft bmp)	PID (ppm)
8	35	40	5/5	35.0-40.0 ft: Loose medium brown/grey SAND, wet.	SAND	35	0
9	40	45	5/5	40.0-45.0 ft: Blue gray dense CLAY, hard, high plasticity, moist, cohesive, no odor.	CLAY	40	0
10	45	50	5/0	No sample. No recovery.	Not Applicable		
				End of boring at 50.0' below grade.			

NOTES: Sample SB-11-44.5-45.0-050824 and MS/MSD; 1505, collected for TCL VOCs by USEPA Method 8260C and expanded parameters

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Appendix C

Well Completion Logs

WELL COMPLETION LOG

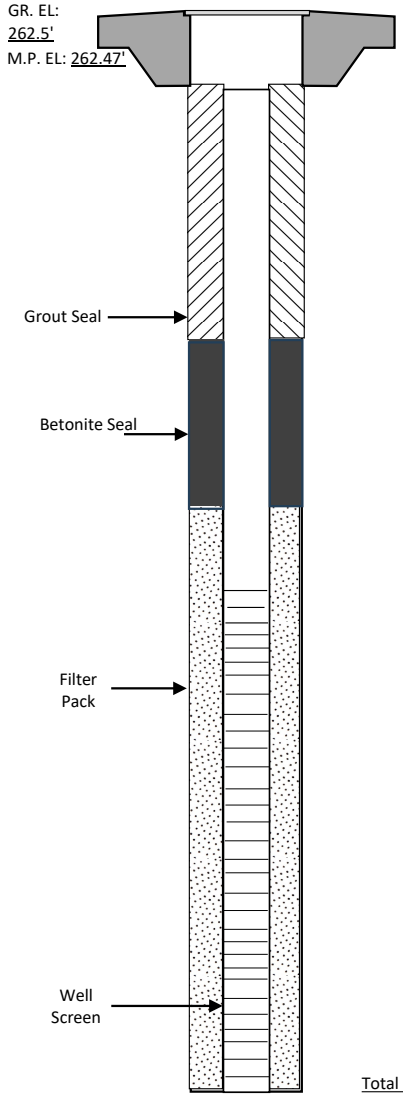
Well ID: MW-01
Northing: 1409238.93
Easting: 674101.30

Site Name: Silvestri Dry Cleaners | Client: NYSDEC | Date Drilled: 05/09/24

Site Location: Colonie, NY | Drilling Subcontractor: Cascade Drilling, L.P. | Date Installed: 05/09/24

Project #: 1940104021 | Installation Inspector: Thomas Quackenbush | Date Developed: 05/23/24

Well Construction Detail



ft bgs - Feet Below Ground Surface GR. - Ground M.P. - Measuring Point
ft bmp - Feet Below Measuring Point PVC - Polyvinyl Chloride NA - Not Applicable
EL. - Elevation I.D. - Inside Diameter O.D. - Outside Diameter

INSPECTION NOTES

Type of Well: Overburden Monitoring Well
Static Water Level: 10.88 ft bmp
Measuring Point: PVC

Borehole Advancement

Overburden

Method: Direct-Push/Hollow Stem Augers **Diameter:** 2-inch/6_1/4-inch
Casing: Not Applicable

Sampling Method:
Type: Macrocore **Diameter:** 2-inch
Weight: NA **Fall:** NA
Interval: 0.0 to 50.0 ft bgs

Bedrock

Method: NA Diameter: NA
Interval: NA to NA ft bgs

Sampling Method:
Type: NA Diameter: NA
Interval: NA to NA ft bgs

Well Construction

Riser Pipe
Material: Schedule 40 PVC **Diameter:** 1" I.D.
Interval: 0.0 to 10.0 ft bgs **Joint:** Flush

Screen:
Material: Schedule 40 PVC **Diameter:** 1" I.D.
Slot Size: 0.010" **Joint:** Flush
Interval: 10.0 to 25.0 ft bgs

Sump:
Material: NA **Diameter:** NA
Interval: NA to NA ft bgs **Joint:** NA

Filter Pack:
Type: Sand **Grade:** U.S. Silica Sand
Interval: 8.0 to 25.0 ft bgs

Seal(s):
Type: Grout Seal **Interval:** 0.0 to 5.0 ft bgs
Type: Bentonite Seal **Interval:** 5.0 to 8.0 ft bgs
Type: **Interval:** to ft bgs
Type: **Interval:** to ft bgs

Surface Completion:
Type: Concrete well pad with flush mount well cover and locking cap

Additional Notes:

1. Elevations in feet referenced to North American Vertical Datum of 1988.
2. Northing and Easting coordinates referenced to New York State Plane Coordinate System North American Datum of 1983 East Zone.

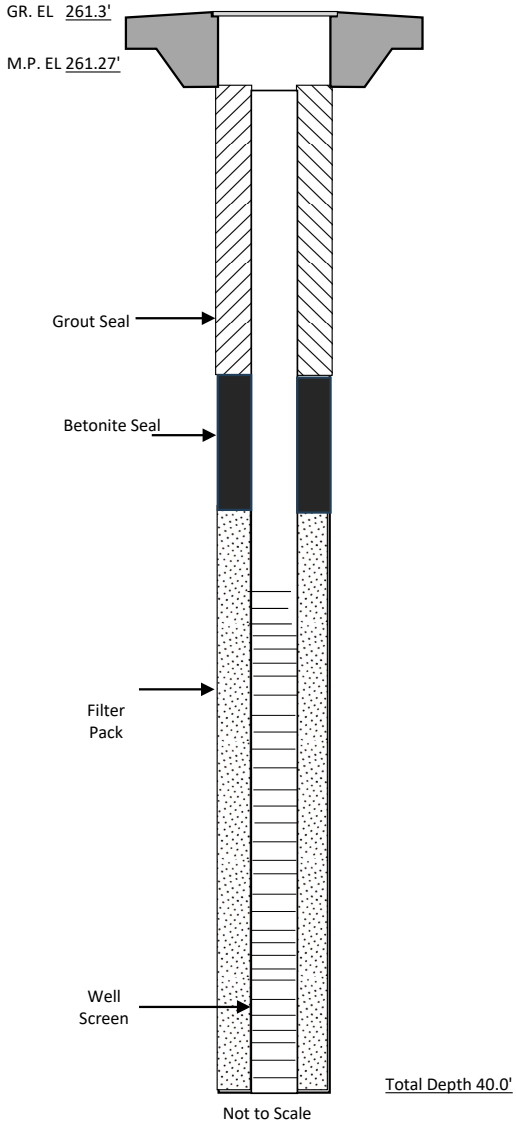
WELL COMPLETION LOG

Well ID: MW-02
Northing: 1409092.81
Easting: 674116.38

Site Name: Silvestri Dry Cleaners
Client: NYSDEC
Date Drilled: 05/10/24

Site Location: Colonie, NY
Project #: 1940104021
Drilling Subcontractor: Cascade Drilling, L.P.
Installation Inspector: Thomas Quackenbush
Date Installed: 05/10/24
Date Developed: 05/23/24

Well Construction Detail



ft bgs - Feet Below Ground Surface GR. - Ground M.P. - Measuring Point
ft bmp - Feet Below Measuring Point PVC - Polyvinyl Chloride NA - Not Applicable
EL. - Elevation I.D. - Inside Diameter O.D. - Outside Diameter

INSPECTION NOTES

Type of Well: Overburden Monitoring Well
Static Water Level: 12.66 ft bmp
Measuring Point: PVC

Borehole Advancement

Overburden

Method: Direct-Push/Hollow Stem Augers **Diameter:** 2-inch/6_1/4-inch
Casing: Not Applicable

Sampling Method:
Type: Macrocore **Diameter:** 2-inch
Weight: NA **Fall:** NA
Interval: 0.0 to 50.0 ft bgs

Bedrock

Method: NA Diameter: NA
Interval: NA to NA ft bgs

Sampling Method:
Type: NA Diameter: NA
Interval: NA to NA ft bgs

Well Construction

Riser Pipe
Material: Schedule 40 PVC **Diameter:** 1" I.D.
Interval: 0.0 to 20.0 ft bgs **Joint:** Flush

Screen:
Material: Schedule 40 PVC **Diameter:** 1" I.D.
Slot Size: 0.010" **Joint:** Flush
Interval: 20.0 to 40.0 ft bgs

Sump:
Material: NA **Diameter:** NA
Interval: NA to NA ft bgs **Joint:** NA

Filter Pack:
Type: Sand **Grade:** U.S. Silica Sand
Interval: 18.0 to 40.0 ft bgs

Seal(s):
Type: Grout Seal **Interval:** 0.0 to 15.0 ft bgs
Type: Bentonite Seal **Interval:** 15.0 to 18.0 ft bgs
Type: **Interval:** to ft bgs
Type: **Interval:** to ft bgs

Surface Completion:
Type: Concrete well pad with flush mount well cover and locking cap

Additional Notes:
1. Elevations in feet referenced to North American Vertical Datum of 1988.
2. Northing and Easting coordinates referenced to New York State Plane Coordinate System North American Datum of 1983 East Zone.

WELL COMPLETION LOG

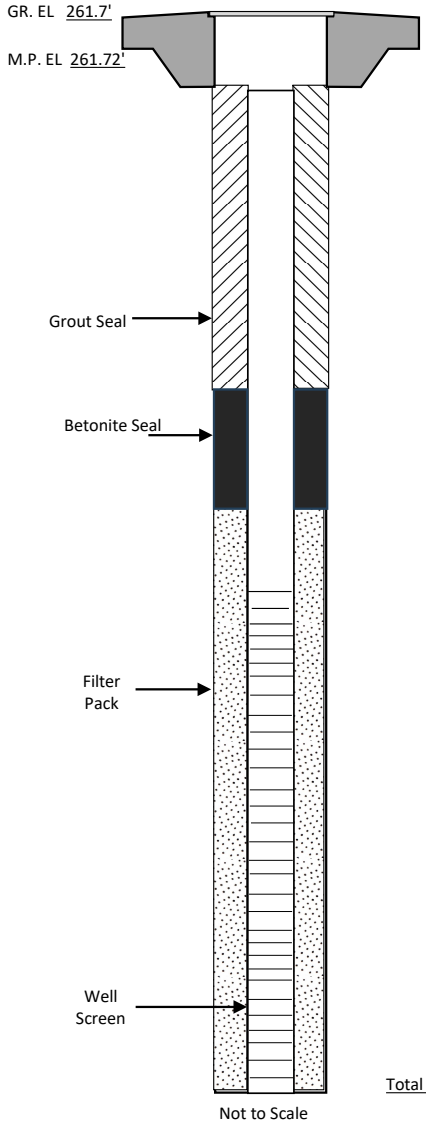
Well ID: MW-03
Northing: 1409125.00
Easting: 674090.84

Site Name: Silvestri Dry Cleaners
Client: NYSDEC
Date Drilled: 05/10/24

Site Location: Colonie, NY
Drilling Subcontractor: Cascade Drilling, L.P.
Date Installed: 05/10/24

Project #: 1940104021
Installation Inspector: Thomas Quackenbush
Date Developed: 05/23/24

Well Construction Detail



ft bgs - Feet Below Ground Surface GR. - Ground M.P. - Measuring Point
ft bmp - Feet Below Measuring Point PVC - Polyvinyl Chloride NA - Not Applicable
EL. - Elevation I.D. - Inside Diameter O.D. - Outside Diameter

INSPECTION NOTES

Type of Well: Overburden Monitoring Well
Static Water Level: 12.76 ft bmp
Measuring Point: PVC

Borehole Advancement

Overburden

Method: Direct-Push/Hollow Stem Augers **Diameter:** 2-inch/6_1/4-inch
Casing: Not Applicable

Sampling Method:
Type: Macrocore **Diameter:** 2-inch
Weight: NA **Fall:** NA
Interval: 0.0 to 50.0 ft bgs

Bedrock

Method: NA Diameter: NA
Interval: NA to NA ft bgs

Sampling Method:
Type: NA Diameter: NA
Interval: NA to NA ft bgs

Well Construction

Riser Pipe
Material: Schedule 40 PVC **Diameter:** 1" I.D.
Interval: 0.0 to 15.0 ft bgs **Joint:** Flush

Screen:
Material: Schedule 40 PVC **Diameter:** 1" I.D.
Slot Size: 0.010" **Joint:** Flush
Interval: 15.0 to 35.0 ft bgs

Sump:
Material: NA **Diameter:** NA
Interval: NA to NA ft bgs **Joint:** NA

Filter Pack:
Type: Sand **Grade:** U.S. Silica Sand
Interval: 13.0 to 35.0 ft bgs

Seal(s):
Type: Grout Seal **Interval:** 0.0 to 10.0 ft bgs
Type: Bentonite Seal **Interval:** 10.0 to 13.0 ft bgs
Type: **Interval:** to ft bgs
Type: **Interval:** to ft bgs

Surface Completion:
Type: Concrete well pad with flush mount well cover and locking cap

Additional Notes:

1. Elevations in feet referenced to North American Vertical Datum of 1988.
2. Northing and Easting coordinates referenced to New York State Plane Coordinate System North American Datum of 1983 East Zone.

Appendix D
Well Development Logs

GROUNDWATER DEVELOPMENT FIELD LOG

Date	5/23/2024	Personnel	TQ	Weather	60's-70's, Light Rain
Site Name	Silvestri Dry Cleaners	Evacuation Method	Hand Pump (Foot Valve and Tubing)	Well #	**MW-01**
Site Location	Colonie, NY	Sampling Method	Not Applicable	Project #	1940104021

Well information:

			* Measurements taken from	
Depth of Well*	22.47	ft.		
Final Depth of Well*	22.47	ft.	x	Top of Well Casing
Depth to Water*	9.80	ft.		Top of Protective Casing
Length of Water Column	12.67	ft.		(Other, Specify)

1" diameter wells = 0.041 x (LWC) =	0.519	gallons
2" diameter wells = 0.163 x (LWC) =	---	gallons
4" diameter wells = 0.653 x (LWC) =	---	gallons

Well evacuation data and notes:

Amount of water removed: 7.8 gallons

NOTES: Removed approximately 15 well volumes from the well. Well was turbid/silty at the start of development. Fast to recharge during development.

GROUNDWATER DEVELOPMENT FIELD LOG

Date	5/23/2024	Personnel	TQ	Weather	60's-70's, Light Rain
Site Name	Silvestri Dry Cleaners	Evacuation Method	Hand Pump (Foot Valve and Tubing)	Well #	**MW-02**
Site Location	Colonie, NY	Sampling Method	Not Applicable	Project #	1940104021

Well information:

			* Measurements taken from	
Depth of Well*	37.38	ft.		
Final Depth of Well*	37.38	ft.	x	Top of Well Casing
Depth to Water*	11.84	ft.		Top of Protective Casing
Length of Water Column	25.54	ft.		(Other, Specify)

1" diameter wells = 0.041 x (LWC) =	1.047	gallons
2" diameter wells = 0.163 x (LWC) =	---	gallons
4" diameter wells = 0.653 x (LWC) =	---	gallons

Well evacuation data and notes:

Amount of water removed: 5.2 gallons

NOTES: Removed approximately 5 well volumes from the well. Fast to recharge during development.

GROUNDWATER DEVELOPMENT FIELD LOG

Date	5/23/2024	Personnel	TQ	Weather	60's-70's, Light Rain
Site Name	Silvestri Dry Cleaners	Evacuation Method	Hand Pump (Foot Valve and Tubing)	Well #	**MW-03**
Site Location	Colonie, NY	Sampling Method	Not Applicable	Project #	1940104021

Well information:

			* Measurements taken from	
Depth of Well*	26.41	ft.		
Final Depth of Well*	26.41	ft.	x	Top of Well Casing
Depth to Water*	10.88	ft.		Top of Protective Casing
Length of Water Column	15.53	ft.		(Other, Specify)

1" diameter wells = 0.041 x (LWC) =	0.637	gallons
2" diameter wells = 0.163 x (LWC) =	---	gallons
4" diameter wells = 0.653 x (LWC) =	---	gallons

Well evacuation data and notes:

Amount of water removed: 9.45 gallons

NOTES: Removed approximately 15 well volumes from the well. Water cloudy during development, but fast to recharge.

GROUNDWATER DEVELOPMENT FIELD LOG

Date	5/23/2024	Personnel	TQ	Weather	60's-70's, Light Rain
Site Name	Silvestri Dry Cleaners	Evacuation Method	Hand Pump (Foot Valve and Tubing)	Well #	**PES-02**
Site Location	Colonie, NY	Sampling Method	Not Applicable	Project #	1940104021

Well information:

			* Measurements taken from	
Depth of Well*	14.22	ft.		
Final Depth of Well*	14.22	ft.	x	Top of Well Casing
Depth to Water*	9.98	ft.		Top of Protective Casing
Length of Water Column	4.24	ft.		(Other, Specify)

1" diameter wells = 0.041 x (LWC) =	0.174	gallons
2" diameter wells = 0.163 x (LWC) =	---	gallons
4" diameter wells = 0.653 x (LWC) =	---	gallons

Well evacuation data and notes:

Amount of water removed: 2.55 gallons

NOTES: Removed approximately 15 well volumes from the well. Well went dry three times during purging. Fast to recharge during development.

GROUNDWATER DEVELOPMENT FIELD LOG

Date	5/24/2024	Personnel	TQ	Weather	60's, Cloudy
Site Name	Silvestri Dry Cleaners	Evacuation Method	Hand Pump (Foot Valve and Tubing)	Well #	**PES-03**
Site Location	Colonie, NY	Sampling Method	Not Applicable	Project #	1940104021

Well information:

			* Measurements taken from	
Depth of Well*	18.94	ft.		
Final Depth of Well*	18.94	ft.	x	Top of Well Casing
Depth to Water*	11.22	ft.		Top of Protective Casing
Length of Water Column	7.72	ft.		(Other, Specify)

1" diameter wells = 0.041 x (LWC) =	0.317	gallons
2" diameter wells = 0.163 x (LWC) =	---	gallons
4" diameter wells = 0.653 x (LWC) =	---	gallons

Well evacuation data and notes:

Amount of water removed: 1.60 gallons

NOTES: Removed approximately 5 well volumes from the well. Cloudy brown in appearance during development. Moderate recharge during development.

Appendix E

Sampling Logs

RAMBOLL

Soil Gas Sampling Form

Project # 1940104021 Date 04/18/24

Project Name NYSDEC Silvestri Dry Cleaners Site Collector RH/ED

Structure Location

69 Fuller Road, Town of Colonie, Albany, NY

PID/FID meter ID SM-919350

Sample Duration (Intended) 8-hr

Sample Locations

SGMP-1-041824

Soil Gas Sample		Soil Gas Sample		Ambient Air Sample	
Sample ID	SGMP-1-041824	Sample ID		Sample ID	
Canister ID	5064	Canister ID		Canister ID	
Flow Controller ID	5175	Flow Controller ID		Flow Controller ID	
Date/Time start	4/18/24 1042	Date/Time start		Date/Time start	
Date/Time end	4/18/24 1406	Date/Time end		Date/Time end	
Gauge prior to start	0	Gauge prior to start		Gauge prior to start	
Start press. (Hg")	-29	Start press. (Hg")		Start press. (Hg")	
End press. (Hg")	-3.5	End press. (Hg")		End press. (Hg")	
Complete all that apply:		Complete all that apply:		Complete all that apply:	
Air temperature (°F)	47°F	Air temperature (°F)		Air temperature (°F)	
Humidity (%)	75%	Humidity (%)		Humidity (%)	
PID/FID reading (ppb)	40 ppb	PID/FID reading (ppb)		PID/FID reading (ppb)	
in. tubing used	48"	in. tubing used		in. tubing used	Not Applicable
Tubing purged?	Yes	Tubing purged?		Tubing purged?	Not Applicable
Chamber He conc. (%)	150%	Chamber He conc. (%)		Chamber He conc. (%)	Not Applicable
Tubing He conc. (%)	0%	Tubing He conc. (%)		Tubing He conc. (%)	Not Applicable
For outdoor location:		For outdoor location:		For outdoor location:	
Noticeable odor	None	Noticeable odor		Noticeable odor	
Distance to road (ft)	64.5'	Distance to road (ft)	RH	Distance to road (ft)	
Direction to closest building	South (180°)	Direction to closest building		Direction to closest building	
Distance to closest building (ft)	12'	Distance to closest building (ft)		Distance to closest building (ft)	
Intake height above ground level (in)	Not Applicable	Intake height above ground level (in)	Not Applicable	Intake height above ground level (in)	RH

Photographs Taken? Yes

Comments: Depth of point - 1.5' bg
Screen - 1.4'-1.5' bg

Note: Sampling completed in approximately 3.5 hours and quicker than anticipated

Analytical method required Standard List VOCs USEPA Method TO-15

Laboratory used Eurofins/TestAmerica

RAMBOLL

Soil Gas Sampling Form

Project # 1940104021
Project Name NYSDEC Silvestri Dry Cleaners Site

Date 04/16/24
Collector RH/ED

Structure Location
69 Fuller Road, Town of Colonie, Albany, NY
PID/FID meter ID 594 - 919350
Sample Duration (Intended) 8-hr

Sample Locations
AA - 041624

Soil Gas Sample		Soil Gas Sample		Ambient Air Sample	
Sample ID		Sample ID		Sample ID	AA-041624
Canister ID		Canister ID		Canister ID	2637
Flow Controller ID		Flow Controller ID		Flow Controller ID	8859
Date/Time start		Date/Time start		Date/Time start	04/16/24/1038
Date/Time end		Date/Time end		Date/Time end	04/16/24/1710
Gauge prior to start		Gauge prior to start		Gauge prior to start	0
Start press. (Hg")		Start press. (Hg")		Start press. (Hg")	-28.5
End press. (Hg")		End press. (Hg")		End press. (Hg")	-4.0
Complete all that apply:		Complete all that apply:		Complete all that apply:	
Air temperature (°F)		Air temperature (°F)		Air temperature (°F)	47° F
Humidity (%)		Humidity (%)		Humidity (%)	74%
PID/FID reading (ppb)		PID/FID reading (ppb)		PID/FID reading (ppb)	0 ppb
in. tubing used		in. tubing used		in. tubing used	Not Applicable
Tubing purged?		Tubing purged?		Tubing purged?	Not Applicable
Chamber He conc. (%)		Chamber He conc. (%)		Chamber He conc. (%)	Not Applicable
Tubing He conc. (%)		Tubing He conc. (%)		Tubing He conc. (%)	Not Applicable
For outdoor location:		For outdoor location:		For outdoor location:	
Noticeable odor		Noticeable odor		Noticeable odor	None
Distance to road (ft)		Distance to road (ft)		Distance to road (ft)	~50'
Direction to closest building	RH	Direction to closest building		Direction to closest building	South (~175°)
Distance to closest building (ft)		Distance to closest building (ft)	RH	Distance to closest building (ft)	29.8'
Intake height above ground level (in)	Not Applicable	Intake height above ground level (in)	Not Applicable	Intake height above ground level (in)	39 in.

Photographs Taken? Yes

Comments:

Analytical method required Standard List VOCs USEPA Method TO-15
Laboratory used Eurofins/TestAmerica

RAMBOLL

Soil Gas Sampling Form

Project # 1940104021
Project Name NYSDEC Silvestri Dry Cleaners Site
Date 04/18/24
Collector RH/ED

Structure Location
69 Fuller Road, Town of Colonie, Albany, NY
PID/FID meter ID 594-919350
Sample Duration (Intended) 8-hr

Sample Locations
SGMP-2-041824
X-1-041824

Soil Gas Sample		Soil Gas Sample		Ambient Air Sample
Sample ID	SGMP-2-041824	Sample ID	X-1-041824	Sample ID
Canister ID	3217	Canister ID	2864	Canister ID
Flow Controller ID	2756	Flow Controller ID	4503	Flow Controller ID
Date/Time start	04/18/24 1035	Date/Time start	04/18/24 1035	Date/Time start
Date/Time end	04/18/24 1800	Date/Time end	04/18/24 1800	Date/Time end
Gauge prior to start	0	Gauge prior to start	0	Gauge prior to start
Start press. (Hg")	-30	Start press. (Hg")	-26.5	Start press. (Hg")
End press. (Hg")	-6	End press. (Hg")	-7.5	End press. (Hg")
Complete all that apply:		Complete all that apply:		Complete all that apply:
Air temperature (°F)	48°F	Air temperature (°F)	48°F	Air temperature (°F)
Humidity (%)	70%	Humidity (%)	70%	Humidity (%)
PID/FID reading (ppb)	260 ppb	PID/FID reading (ppb)	260 ppb	PID/FID reading (ppb)
in. tubing used	72 in	in. tubing used	72 in	in. tubing used: Not Applicable
Tubing purged?	Yes	Tubing purged?	Yes	Tubing purged? Not Applicable
Chamber He conc. (%)	75%	Chamber He conc. (%)	75%	Chamber He conc. (%) Not Applicable
Tubing He conc. (%)	11%	Tubing He conc. (%)	11%	Tubing He conc. (%) Not Applicable
For outdoor location:		For outdoor location:		For outdoor location:
Noticeable odor	None	Noticeable odor	None	Noticeable odor
Distance to road (ft)	36'	Distance to road (ft)	36'	Distance to road (ft)
Direction to closest building	West (270°)	Direction to closest building	West (270°)	Direction to closest building
Distance to closest building (ft)	5.5'	Distance to closest building (ft)	5.5'	Distance to closest building (ft)
Intake height above ground level (in)	Not Applicable	Intake height above ground level (in)	Not Applicable	Intake height above ground level (in) RH

Photographs Taken? Yes

Comments: Depth of pond: 1.1' bg
Screen: 1.0'-1.1' bg

Analytical method required: Standard List VOCs USEPA Method TO-15
Laboratory used: Eurofins/TestAmerica

RAMBOLL

GROUNDWATER SAMPLING FIELD LOG

Date	7/17/24	Personnel	AV EGD	Weather	~80°F Sunny
Site Name	Silverstri Dry Cleaners	Evacuation Method	Peristaltic Pump	Well #	PES-3
Site Location	Colonie, NY	Sampling Method	Bailer	Project #	1940104021

Well information:

Depth of Well *	18.94	ft.
Depth to Water *	11.22	ft.
Length of Water Column	7.72	ft.

* Measurements taken from

x	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

1" diameter wells = 0.041 x (LWC) =	.32	gallons
2" diameter wells = 0.163 x (LWC) =	—	gallons
4" diameter wells = 0.653 x (LWC) =	--	gallons

Well evacuation data:

	Well Volumes						
	1	2	3				
Start Time	1010	1015	1020				
End Time	1015	1020	1025				
Gallons Purged	.32	.32	.32				
Temp (C)	17.9	17.4	17.7				
pH	8.13	8.01	8.09				
Spec. Conduc. (mS/cm)	0.631	0.656	0.674				
Turbidity (NTU)	32.8	59.0	45.3				

Probe type: YSI Quatro

Appearance at start: light brown, no odor

Appearance at end: light brown, no odor

Other Observations: Headspace PID reading: —

Amount of water removed: .96 gallons

Depth to water before sampling: NM ft. (below top of inner casing)

Parameters Sampled For: VOCs by USEPA Method 8260 Sample Time: 1030

NOTES: .32 gal = 1211 mL

GW-PES-3-071724

RAMBOLL

GROUNDWATER SAMPLING FIELD LOG

Date	7/17/24	Personnel	AV EGD	Weather	~80°F Sunny
Site Name	Silverstri Dry Cleaners	Evacuation Method	Peristaltic Pump	Well #	MW-2
Site Location	Colonie, NY	Sampling Method	Bailer	Project #	1940104021

Well information:

Depth of Well *	~~32.00~~ (ED) 32.22	ft.
Depth to Water *	12.68	ft.
Length of Water Column	19.54	ft.

* Measurements taken from

x	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

1" diameter wells = 0.041 x (LWC) =	.80	gallons
2" diameter wells = 0.163 x (LWC) =	—	gallons
4" diameter wells = 0.653 x (LWC) =	--	gallons

Well evacuation data:

	Well Volumes						
	1	2	3				
Start Time	1055	1105	1115				
End Time	1105	1115	1125				
Gallons Purged	.80	.80	.80				
Temp (C)	18.0	17.8	18.1				
pH	7.51	7.50	7.50				
Spec. Conduc. (mS/cm)	1.452	1.448	1.447				
Turbidity (NTU)	1.06	1.87	1.49				

Probe type: YSI Quatro

Appearance at start: Clear, no odor

Appearance at end: Clear, no odor

Other Observations: Headspace PID reading:

Amount of water removed: 2.40 gallons

Depth to water before sampling: NM ft. (below top of inner casing)

Parameters Sampled For: VOCs by USEPA Method 8260 Sample Time: 1130

NOTES: .80 gal = 3L

~~GW-RES-~~ (AV) GW-MW-2-071724

RAMBOLL

GROUNDWATER SAMPLING FIELD LOG

Date	07/18/24	Personnel	AV EGD	Weather	70-85° Sunny
Site Name	Silverstri Dry Cleaners	Evacuation Method	Peristaltic Pump	Well #	MW-03
Site Location	Colonie, NY	Sampling Method	Bailer	Project #	1940104021

Well information:

Depth of Well *	34.01	ft.
Depth to Water *	12.76	ft.
Length of Water Column	21.25	ft.

* Measurements taken from

x	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

1" diameter wells = 0.041 x (LWC) =	.87	gallons
2" diameter wells = 0.163 x (LWC) =	—	gallons
4" diameter wells = 0.653 x (LWC) =	--	gallons

Well evacuation data:

	Well Volumes						
	1	2	3				
Start Time	0815	0827	0840				
End Time	0827	0840	0853				
Gallons Purged	.87	.87	.87				
Temp (C)	16.0	16.0	16.0				
pH	7.86	7.88	7.91				
Spec. Conduc. (mS/cm)	1.538	1.575	1.561				
Turbidity (NTU)	30.1	20.03	12.91				

Probe type: YSI Quatro

Appearance at start: Clear, no odor

Appearance at end: Clear, no odor

Other Observations: Headspace PID reading: —

Amount of water removed: 2.61 gallons

Depth to water before sampling: NM ft. (below top of inner casing)

Parameters Sampled For: VOCs, SVOCS, PCBs, Pesticides, Metals, PFAS, 1,4 - Dioxane

Sample Time: 0900

NOTES: .87 gal = 3.3 l

MS/MSD taken here

GW-MW-03-071824

RAMBOLL

GROUNDWATER SAMPLING FIELD LOG

Date	7/18/24	Personnel	AV EGD	Weather	70-80°F sunny
Site Name	Silverstri Dry Cleaners	Evacuation Method	Peristaltic Pump	Well #	MW-1
Site Location	Colonie, NY	Sampling Method	Bailer	Project #	1940104021

Well information:

Depth of Well *	~~22.36~~	ft.
Depth to Water *	~~10.88 (ED)~~ 10.40	ft.
Length of Water Column	~~11.48 (ED)~~ 11.96	ft.

* Measurements taken from

x	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

1" diameter wells = 0.041 x (LWC) =	~~.47~~ .49 (LD)	gallons
2" diameter wells = 0.163 x (LWC) =	—	gallons
4" diameter wells = 0.653 x (LWC) =	--	gallons

Well evacuation data:

	Well Volumes						
	1 (SM)	2	3				
Start Time	~~1025~~	1038	1045				
End Time	1030	1035	1040				
Gallons Purged	.49	0.49	0.49				
Temp (C)	14.7	14.4	14.0				
pH	8.67	8.66	8.66				
Spec. Conduc. (mS/cm)	1.205	1.549	1.868				
Turbidity (NTU)	4.02	4.41	5.03				

Probe type: YSI Quatro

Appearance at start: ~~light~~ (SM) BROWN

Appearance at end: light BROWN

Other Observations: Headspace PID reading: —

Amount of water removed: 1.5 gallons

Depth to water before sampling: NM ft. (below top of inner casing)

Parameters Sampled For: VOCs, SVOCS, PCBs, Pesticides, Metals, PFAS, 1,4 - Dioxane

Sample Time: 1045

NOTES: ~~1st gal = 1.0 (ED)~~ .49 = 1.85 L

dup taken here

water and soil mixture

GW-MW-01-071824

GROUNDWATER SAMPLING FIELD LOG

Date	07/18/24	Personnel	AV EGD	Weather	70-80°F Sunny
Site Name	Silverstri Dry Cleaners	Evacuation Method	Peristaltic Pump	Well #	PES-2
Site Location	Colonie, NY	Sampling Method	Bailer	Project #	1940104021

Well information:

Depth of Well *	14.79	ft.
Depth to Water *	11.64	ft.
Length of Water Column	3.15	ft.

* Measurements taken from

x	Top of Well Casing
	Top of Protective Casing
	(Other, Specify)

1" diameter wells = 0.041 x (LWC) =	.15	gallons
2" diameter wells = 0.163 x (LWC) =	—	gallons
4" diameter wells = 0.653 x (LWC) =	--	gallons

Well evacuation data:

	Well Volumes						
	1	2	3				
Start Time	1235	1238	1241				
End Time	1238	1241	1244				
Gallons Purged	.15	.15	.15				
Temp (C)	22.7	19.7	20.5				
pH	6.93	7.08	7.10				
Spec. Conduc. (mS/cm)	1.080	1.133	1.298				
Turbidity (NTU)	19.9	~~0.37~~	—				

Probe type: YSI Quatro

Appearance at start: Brown

Appearance at end: Brown

Other Observations: Headspace PID reading:

Amount of water removed: 0.45 gallons

Depth to water before sampling: NM ft. (below top of inner casing)

Parameters Sampled For: VOCs, SVOCS, PCBs, Pesticides, Metals, PFAS, 1,4 - Dioxane

Sample Time: 1250

NOTES: .15 gal = .58 l

water + soil mixture

GW-PES-2-071824

N

Passivated Canister Documentation Field Sheet

Date: 1/7/2025 - 1/8/2025 **By:** AJF, CDW

Ramboll Project Ref: 1940104021

Client and Location: NYSDEC; Colonie, NY

PID Field Screening Instrument Make/Model: ppbRAE 3000+

Sensitivity (ppm or ppb): ppb **eV Lamp:** 11.7

Sample ID	Canister ID	Flow Controller ID	Sampling Location and Intake Height	Initial Canister Vacuum (in. Hg)	Time (Start)	Barometric Pressure (Start)	Temp (Start) °F	Relative Humidity (Start)	Final Canister Vacuum (in. Hg)	Time (Stop)	Barometric Pressure (Stop)	Temp (Stop) °F	Relative Humidity (Stop) %	
SS-Basement-010825	5894	4053	Subslab, Basement; ~10" Approx.	-30.2"	0755	29.92 inHg	46.9°F	45.5%	-5	1550	29.81 inHg	54.5	28.2	Subslab.
IA-Basement-010825	3162	3664	Co-Located near subslab; 36"	-30.2"	0755	29.92 inHg	46.9	45.5%	-4	1550	29.81 inHg	54.5	28.2	IA-Basement
IA-Shop-010825	4810	3954	Shop; photo taken;	-30.2"	0810	29.92 inHg	51.2	24.2%	-6	1609	29.81 inHg	54.5	28.2	IA-Shop
DUP-010825	2911	3294	Shop; photo taken;	-30.2"	0810	29.92 inHg	51.2	24.2%	-6	1609	29.81 inHg	54.5	28.2	IA-Shop(DUP)
OA-010825	4925	~~3376~~ 3784 (AF)	Deck, rear loading dock;	-30.2"	~~0810~~ 0825 (AF)	29.92 inHg	18.0	27.1%	-7	1630	29.81 inHg	18.0	31.4	OA

Comments:
Background ppb:
SS-Basement/IA Basement, 35 ppb
IA-Shop/DUP, 29 ppb
OA, 11 ppb

RAMBOLL

Indoor Air Quality Building Survey

Date: 1/8/2025
Collector: Robert Hornung
Affiliation

Access Contact: [redacted]
Phone: [redacted]
Best time to contact: Standard business hours

Address: [redacted]

Tax ID: [redacted]

Owner: X Renter: Other:

Access Agreement Signed?: Signed Permission (10/29/24)

Date Built: Circa 1950's - 1960's
Yrs. of Residence: ~ 75 years
No. of Occupants: ~ 5-20 *

Building Type
Residential: Commercial: X
School: Church:
Industrial: Other:

Check All That Apply

Ranch: Cape: 3-Family:
Raised Ranch: Colonial: Mobile Home:
2-Family: Duplex:
Apartments: Condominium:
Other (specify): 2-Story Warehouse Store

Above Grade Building Construction

Wood frame: Brick:
Poured concrete: X Concrete block:
Stone: Other:

Foundation Construction

Fieldstone: Poured concrete: X
Solid top concrete block: Open top concrete block:
Slab on grade: Other:

Is the owner aware of any additions made to the original design of the structure? (please specify)

—

Utilities

Sewer: City Other: —
Hot water heater type: Not Applicable Other: —
Water: City Other: —

Heating, Ventilation, and Air Conditioning Systems

Primary heat type: Forced Air Other: —
Fuel type (heat): Natural Gas Other: —
Secondary heat type: — Other: —

Ventilation Types

Attic fan: Kitchen hood: Bathroom fan: Other:
Whole house fan: Air filtration: Induced fireplace: Other:

Air conditioning
Window units: Furnance unit: Electric: Other:

* Habitat for Humanity store operates Wednesday through Saturday. Closed Sunday, Monday, Tuesday.

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RAMBOLL

Indoor Air Quality Building Survey

Date: 1/8/2025
Collector: Robert Hornung
Affiliation: Ramboll

Basement Type

None: ☐ Full: ☐ Half: ☒ Slab on grade: ☐ Vented crawlspace: ☐ Unvented crawlspace: ☐ Other: —

* Basement corner of Store. ~5-10% of Store sits on basement.

If slab on grade, is there a garage with occupied space above? —

Basement Depth Below Grade (Feet)

Front: ~12-15' Rear: ~12-15' Side 1: ~12-15' Side 2: ~12-15'

Basement Characteristics

General:		Floor:		Walls:			
No. of Rooms:	1	Earth:	☐	Finished:	☐	Paneling:	☐
Bathroom:	—	Concrete:	☒	Unfinished:	☒	Tile:	☐
Basement Use:	Storage	Tile:	☐	Painted:	☐	Insulated:	☐
		Carpet:	☐	Sheetrock:	☐	Uninsulated:	☒
		Other:		Other:			

Check if present:

Fireplace:	☐	Elevator:	☐	French drain:	☐
Sump pump:	☒	Ash cleanout:	☐	Floor cracks:	☐
Floor drains:	☐	Water damage:	☐	Wall cracks:	☒
Interior walls:	☐	Jacuzzi/hot tub:	☐	Other:	old piping/ducts present on sidewalls. wall penetrations present.

Does the basement have a moisture problem? No

Does the basement ever flood? (specify frequency) No

Does the basement have a radon system installed? No

Has there been recent purchases of furnishings (carpets, rugs, linoleum, tile, or funiture) or remodeling (new construction,roofing, or floor stripping? (please specify) No

Chemical Usage, Exposure and Storage

Identify occupant hobbies:

Painting:	☐	Electronics:	☐	Model making:	☐
Stained glass:	☐	Woodworking:	☐	Auto repair:	☐
Jewelry making:	☐	Furniture refinishing:	☐	Other:	No

Where in the structure are these hobbies conducted? Not Applicable

Does the occupants' job require chemical exposure? No

If so, where are the occupants clothes cleaned? Not Applicable

Has the structure been fumigated in the last year? Unknown

If so, how often is fumigation performed? Unknown

Are pesticides frequently applied to lawn or garden? No

If so, are pesticides stored on the property? No

RAMBOLL

Indoor Air Quality Building Survey

Date: 1/8/2025
Collector: Robert Hornung
Affiliation Ramboll

Comments

Is there any other information about the structural features of this building, the habits of its occupants or potential sources for chemical contaminents to the indoor air that may be of importance in facilitating the evaluation of the indoor air quality of the building?

Customers use the store to procure merchandise. Customers are on-site for an hour a less per day.

Identify photographs taken as additional documentation of existing conditions.

Photo ID	Photo Description
	See photo log incorporated.

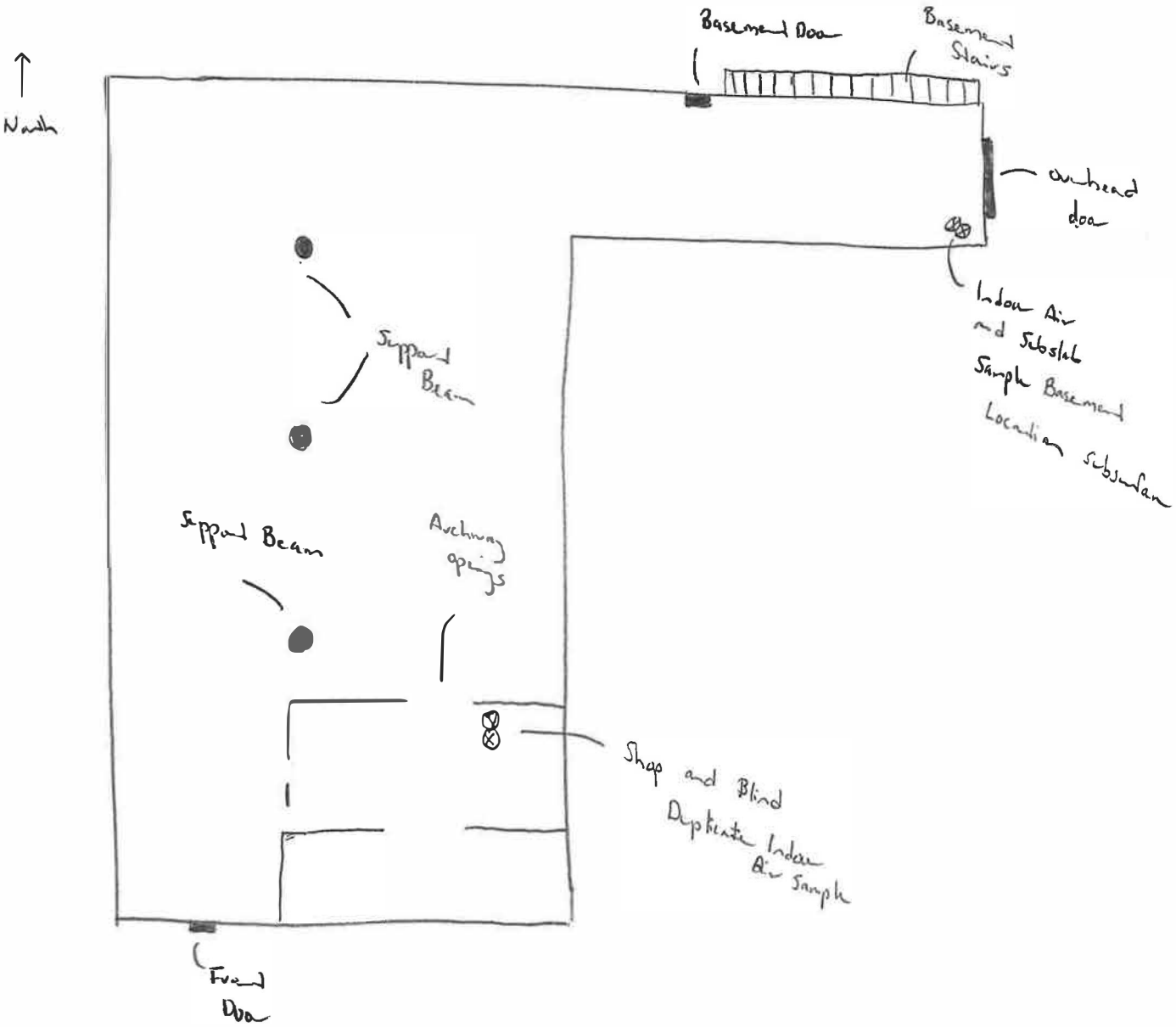
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RAMBOLL

Indoor Air Quality Building Survey

Date: 1/8/2025
Collector: Robert Hornung
Affiliation Ramboll

Sketch lot and sample location layout (if applicable)



Comments

See SC Report for outdoor air sample location. Placement in basement by overhead door adjacent to warehouse room.

Page: 4 of 4

Appendix F

Data Validation Reports

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Silvestri Dry Cleaners
Eurofins Environmental Testing SDG#480-219561-1
November 8, 2024
Revised: January 3, 2025
Sampling date: 5/6-8/2024

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (revised January 3, 2025) for Ramboll Americas Engineering Solutions, project located at Silvestri Dry Cleaners, SDG#480-219561-1 submitted to Vali-Data of WNY, LLC on August 21, 2024. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)' (4/2023) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticide (8081B), PCB (8082A), Inorganics/Mercury (6010D, 7471B), Perfluorinated Hydrocarbons (1633 (12/2022)) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	SB-01-6.5-7.0-050624	480-219561-1
2	SB-01-40.0-40.5-050624	480-219561-2
3	SB-07-21.0-21.5-05072	480-219611-1
4	SB-07-45.0-45.5-050724	480-219611-2
5	SB-09-4.5-5.0-050724	480-219611-3
6	SB-09-11.2-11.7-050724	480-219611-4
7	SB-09-21.0-21.5050824	480-219687-1
8	SB-09-33.5-34.0-050824	480-219687-2
9	SB-11-4.5-5.0-050824	480-219687-3
10	SB-11-9.5-10.0-050824	480-219687-4
11	SB-11-20.5-21.0-050824	480-219687-5
12	SB-11-44.5-45.0-050824	480-219687-6
13	DUP-01-050824	480-219687-7

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration

-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD and Continuing Calibration.

Samples: DUSR ID#3 and #4 were analyzed using medium level analysis due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met except the area of 1,4-Dichlorobenzene-d_4 was outside QC limits, low in DUSR ID#12 and #12MSD. The following target analytes should be qualified as estimated high in these samples, if detected.

Bromoform	1,2-Dichlorobenzene	1,3-Dichlorobenzene
1,4-Dichlorobenzene	1,2-Dibromo-3-chloropropane	1,2,4-Trichlorobenzene

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met except a target analyte was detected in the blanks but was not detected in the associated samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except Acetone was detected in DUSR ID#8 but was not detected in #13.

LABORATORY CONTROL SAMPLES

All criteria were met except a target analyte was outside QC limits in the laboratory control samples and should be qualified as estimate.

LCS ID	Target Analyte	%Rec	Qualifier	Associated Sample
480-711626	Acetone	143	JH	8, 12

A target analyte was outside QC limits, high in a laboratory control sample but was not detected in the associated samples, so no further action is required.

MS/MSD

All criteria were met except the %Rec or RPD of all target analytes except Bromomethane, Chloromethane, Methyl tert butyl ether, Methylene chloride, Freon 113, Chloroethane and Vinyl chloride was outside QC limits. All nonconforming target analytes should be qualified as estimated in DUSR ID#12 and #12MS/MSD.

Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were used on some of the target analytes with acceptable results, so no further action is required.

CONTINUING CALIBRATION

All criteria were met except the %D of several target analytes was outside QC limits in the continuing calibrations and should be qualified as estimated in the associated sample, blanks and spikes.

CCal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
CCVIS 480-711076/4	Chloroethane	28.2	UJ/J	480-711075, 1, 2
CCVIS 480-711076/4	Acetone	47.4	UJ/J	480-711075, 1, 2
CCVIS 480-711076/4	trans-1,3-Dichloropropene	-28.1	UJ/J	480-711075, 1, 2
CCVIS 480-711076/4	Dibromochloromethane	-24.4	UJ/J	480-711075, 1, 2
CCVIS 480-711076/4	1,2-Dibromoethane	-23.8	UJ/J	480-711075, 1, 2
CCVIS 480-711076/4	Bromoform	-31.8	UJ/J	480-711075, 1, 2
CCVIS 480-711076/4	1,2-Dibromo-3-chloropropane	-36.5	UJ/J	480-711075, 1, 2
CCVIS 480-711243/4	Acetone	41.0	UJ/J	480-711242, 3, 4
CCVIS 480-711243/4	trans-1,3-Dichloropropene	-20.8	UJ/J	480-711242, 3, 4
CCVIS 480-711243/4	Dibromochloromethane	-23.6	UJ/J	480-711242, 3, 4
CCVIS 480-711243/4	Bromoform	-29.0	UJ/J	480-711242, 3, 4
CCVIS 480-711243/4	1,2-Dibromo-3-chloropropane	-30.6	UJ/J	480-711242, 3, 4

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank, MS/MSD and Laboratory Control Samples.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except several TICs were detected in the method blanks above the qualification limits and should be qualified in samples in which they were detected.

Blank ID	TIC ID/RT	Concentration(ug/L)	Qualifier	Associated Sample
480-711214	Furan, 2,5-dimethyl-	410	U	3
480-711214	2.06	682	U	3
480-711214	3.60	3130	U	3
480-711216	Furan, 2,5-dimethyl-	422	U	8, 12, 13
480-711216	2.05	506	U	8, 12, 13
480-711216	3.60	3180	U	8, 12, 13

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.
Benzaldehyde exceeded calibration range in LCS 480-711416 and is qualified with an 'E'.

MS/MSD
All criteria were met.
Benzaldehyde exceeded calibration range in DUSR ID#12MS/MDS and is qualified with an 'E'.
The %Rec of 2,4-Dinitrotoluene was outside NFG QC limits, high in DUSR ID#12MS/MSD and should be qualified as estimated. This target analyte was not detected in the associated sample, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on some target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD and Initial Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of alpha-BHC and Endosulfan sulfate was outside QC limits between the columns in LCS/LCSD 480-711277 and should be qualified as estimated.
The RPD of alpha-BHC and alpha-Chlordane was outside QC limits between the columns in LCS 480-711473 and should be qualified as estimated.

MS/MSD
All criteria were met except the RPD of alpha-BHC and alpha-Chlordane was outside QC limits between the columns in DUSR ID#12MS/MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a target analyte was outside QC limits in the initial calibration and/or the initial calibration verification. This target analyte should be qualified as estimated in the associated blanks, samples and spikes.

Ical/ICV ID	Target Analyte	RRF/%D	Column	Qualifier	Associated Sample
ICV HP6890-25	Toxaphene p 1, 4, 5	various	RTX-CLPI	UJ	MB 480-711277, 3, 8, 12, 13
ICV HP6890-25	Toxaphene p 1, 2	various	RTX-CLPII	UJ	MB 480-711277, 3, 8, 12, 13

Alternate regression was used on most of the surrogates and target analytes with acceptable results, so no further action is required.

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG limits, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All the criteria were met except a target analyte was outside QC limit in the matrix spikes and should be qualified as estimated.

MS/MSD ID	Target Analyte	RPD	Qualifier	Associated Sample
12	Aroclor 1016	23	UJ	12

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on some of the target analytes and surrogates, with acceptable results, so no further action is required.

CONTINUING CALIBRATION
All criteria were met except some target analytes were outside QC limits in the continuing calibrations. These results were off the confirmatory column, so no further action is required. Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- Surrogate Spike Recoveries
- Blanks
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration

- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Laboratory Control Samples and MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except a few surrogates were outside QC limits in the samples and should be qualified as estimated.

Surrogate ID	Associated Target Analyte	Qualifier	Associated Sample
13C4PFBA	PFBA	J	LCS 280-653716
13C2PFTeDA	PFTeDA, PFTrDA	J	LLCS 280-653716, 12MSD
d7-NMeFOSE	NMeFOSE	UJ/J	280-653716, 3
d3-NMePFOSA	NMeFOSA	UJ/J	280-653716, MB 280-653714, 3, 8, 12, 13, 12MS/MSD
d9-NEtFOSE	NEtFOSE	UJ/J	280-653716, MB 280-653714, 3, 8, 12, 13, 12MS/MSD
d5-NEtPFOSA	NEtFOSA	UJ/J	280-653716, MB 280-653714, 3, 8, 12, 13, 12MS/MSD

BLANKS
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met except PFOS was detected in DUSR ID#13 but was not detected in #8.

LABORATORY CONTROL SAMPLES
All criteria were met except PFPeA and PFOSA were qualified with an 'I' in LCS 280-653714 and should be qualified as estimated. The %Rec of a few target analytes was outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	%Rec LCS	%Rec LLCS	Qualifier	Associated Sample
280-653714	PFDoS	-	69	UJ	8, 12, 13
280-653716	PFDoS	66	57	UJ	3
280-653716	PFDS	-	69	UJ	3
280-653716	11Cl-PF3OUds	-	65	UJ	3

The %Rec of a target analyte was outside QC limits, high in a laboratory control sample. This target analyte was not detected in the associated samples, so no further action is required.

MS/MSD
All criteria were met except the %Rec of a target analyte was outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec #12MS	%Rec #12MSD	Qualifier	Associated Sample
PFDoS	66	69	UJ	12

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks

-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Blanks, Laboratory Control Samples, MS/MSD, Serial Dilution, Compound Quantitation and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except several target analytes were detected in the blanks and should be qualified in the associated samples in which they were detected.

Blank ID	Target Analyte	Concentration(mg/kg)	Qualifier	Associated Sample
480-711177	Ca	3.79	JH	3
480-711177	Fe	5.06	JH	3
480-711177	Mn	.0601	JH	3
480-711592	Cd	.0532	U at RL	8, 12, 13
480-711592	Ca	3.31	JH	8, 12, 13
480-711592	Mn	.0957	JH	8, 12, 13

LABORATORY CONTROL SAMPLE
All criteria were met except the %Rec of a target analyte was outside QC limit in a laboratory control sample and should be qualified as estimated.

LCS ID	Target Analyte	%Rec	Qualifier	Associated Sample
480-711177	Sb	155.8	JH	3

MS/MSD/DUPLICATE

All criteria were met except a few target analytes were outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec #12MS	%Rec #12MSD	#12PDS	Qualifier	Associated Sample
Sb	29	30	-	UJ	12
Na	74	73	-	J	12
Zn	65	70	74	JL	12

Some target analytes were outside QC limits in the matrix spike or the matrix spike duplicate but not both, so no further action is required.

FIELD DUPLICATE

All criteria were met except Se and Hg were detected in DUSR ID#8 but were not detected in #13.

SERIAL DILUTION

All criteria were met except the %D of several target analytes were outside QC limits in the serial dilution and should be qualified as estimated.

Serial Dilution ID	Target Analyte	%D	Qualifier	Associated Sample
12	Al	34	J	12
12	Ba	35	J	12
12	Ca	38	J	12
12	Cr	37	J	12
12	Fe	68	J	12
12	Mg	32	J	12
12	Mn	38	J	12
12	Se	31	UJ	12
12	V	34	J	12

COMPOUND QUANTITATION

All criteria were met except Cd was recorded as detected in DUSR ID#3. This target analyte was not detected and should be qualified as such.

CALIBRATION

All criteria were met except several target analytes were outside QC limits in the calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D	Qualifier	Associated Sample
ICVL 480-711454/8	Sb	86	UJ/J	480-711177, 3
ICVL 480-711454/8	Ba	112	JH	LCS 480-711177, 3
ICVL 480-711454/8	Cd	88	UJ/J	480-711177, 3
ICVL 480-711454/8	Pb	83	UJ/J	480-711177, 3
ICVL 480-711454/8	Mn	114	JH	480-711177, 3
ICVL 480-711454/8	Ni	114	JH	LCS 480-711177, 3
ICVL 480-711454/8	Zn	119	JH	LCS 480-711177, 3
CCVL 480-711454/198	Sb	81	UJ/J	480-711177
CCVL 480-711454/198	As	85	UJ/J	480-711177
CCVL 480-711454/198	Cd	85	UJ/J	480-711177
CCVL 480-711454/198	Ca	112	JH	480-711177
CCVL 480-711454/198	Pb	84	UJ/J	480-711177
CCVL 480-711454/198	Ni	114	JH	LCS 480-711177
CCVL 480-711454/198	Zn	119	JH	LCS 480-711177
CCVL 480-711454/210	Cd	86	UJ/J	480-711177, 3
CCVL 480-711454/210	Cu	84	UJ/J	480-711177, 3
CCVL 480-711454/210	Pb	88	UJ/J	480-711177, 3
CCVL 480-711454/210	Se	84	UJ/J	480-711177, 3
CCVL 480-711454/210	Tl	87	UJ/J	480-711177, 3
CCVL 480-711454/210	Zn	114	JH	LCS 480-711177, 3
CCVL 480-711454/222	Sb	117	JH	3
CCVL 480-711454/222	Ca	111	JH	3
CCVL 480-711454/222	Pb	112	JH	3
CCVL 480-711454/222	Mn	111	JH	3

Calibration ID	Target Analyte	%D	Qualifier	Associated Sample
CCVL 480-711454/222	Zn	118	JH	3
ICVL 480-711880/8	Cd	111	JH	480-711592, 8, 12, 13, 12MS/MSD
ICVL 480-711880/8	Cu	88	UJ/J	480-711592, 8, 12, 13, 12MS/MSD
ICVL 480-711880/8	Mn	120	JH	480-711592, 8, 12, 13, 12MS/MSD
ICVL 480-711880/8	Zn	112	JH	LCS 480-711592, 8, 12, 13, 12MS/MSD
CCVL 480-711880/42	Cu	86	UJ/J	480-711592, 8, 12, 12MS
CCVL 480-711880/42	Pb	86	UJ/J	480-711592, 8, 12, 12MS
CCVL 480-711880/42	Se	87	UJ/J	480-711592, 8, 12, 12MS
CCVL 480-711880/42	Tl	88	UJ/J	480-711592, 8, 12, 12MS
CCVL 480-711880/42	Zn	111	JH	LCS 480-711592, 8, 12, 12MS
CCVL 480-711880/54	Cu	86	UJ/J	480-711592, 8, 12, 13, 12MS/MSD
CCVL 480-711880/54	Pb	86	UJ/J	480-711592, 8, 12, 13, 12MS/MSD
CCVL 480-711880/54	Zn	116	JH	LCS 480-711592, 8, 12, 13, 12MS/MSD
CCVL 480-711880/66	Sb	111	JH	12MSD
CCVL 480-711880/66	As	83	J	13, 12MSD
CCVL 480-711880/66	Cd	117	JH	13, 12MSD
CCVL 480-711880/66	Mn	111	JH	13, 12MSD
CCVL 480-711880/66	Zn	113	JH	13, 12MSD
ICSA 480-711454/9	Fe	82	UJ/J	480-711177, 3
ICSA 480-711880/10	Fe	83	UJ/J	480-711592, 8, 12, 13, 12MS/MSD

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below.

CYANIDE

All criteria were met except the %Rec of Cn in DUSR ID#12MS/MSD was outside QC limits, low and should be qualified as estimated in DUSR ID#12 and #12MS/MSD.

The %Rec of Cn was outside QC limits, low in LCSSRM 480-711943 and LCSSRM 480-712882 and should be qualified as estimated. Cn should be qualified as estimated in all samples.

Job Narrative
480-219561-1

REVISION

The report being provided is a revision of the original report sent on 5/31/2024. The report (revision 2) is being revised to include additional metals raw data..

Report revision history
Revision 1 - 11/15/2024 - Reason - include additional metals QC forms..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be 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.

Receipt
The samples were received on 5/7/2024 10:00 AM, 5/8/2024 10:00 AM and 5/9/2024 10:00 AM. 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 3.5°C.

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: SB-09-4.5-5.0-050724 (480-219611-3) and SB-09-11.2-11.7-050724 (480-219611-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-711075 and analytical batch 480-711076 recovered outside control limits for the following analyte: Acetone. This analyte was biased high in the LCS and was not detected above the reporting limit in the associated samples; therefore, the data have been reported. The associated samples are: SB-01-6.5-7.0-050624 (480-219561-1) and SB-01-40.0-40.5-050624 (480-219561-2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-711076 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane, 2-Butanone (MEK), Cyclohexane and Trichlorofluoromethane. The samples associated with this CCV were non-detects above the reporting limits for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SB-01-6.5-7.0-050624 (480-219561-1) and SB-01-40.0-40.5-050624 (480-219561-2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-711076 recovered outside acceptance criteria, low biased, for Chlorodibromomethane, trans-1,3-Dichloropropene and 1,2-Dibromoethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analytes, the data are reported. The associated samples are impacted: SB-01-6.5-7.0-050624 (480-219561-1) and SB-01-40.0-40.5-050624 (480-219561-2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-711243 recovered above the upper control limit for 2-Butanone (MEK) and Methylene Chloride. The sample(s) associated with this CCV were non-detects above the reporting limits for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SB-07-21.0-21.5-050724 (480-219611-1) and SB-07-45.0-45.5-050724 (480-219611-2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-711243 recovered outside acceptance criteria, low biased, for Dibromochloromethane and trans-1,3-Dichloropropene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated sample(s) were non-detect for the analytes, the data are reported. The associated samples are: SB-07-21.0-21.5-050724 (480-219611-1) and SB-07-45.0-45.5-050724 (480-219611-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS
Method 1633_B24: In preparation batch 280-653716, the following sample was received with about 5 mL of water on top of the soil sample: SB-07-21.0-21.5-050724 (480-219611-1).

Method 1633_B24: The method blank for preparation batch 280-653716 contained Perfluorooctanesulfonic acid (PFOS) above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

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.

Client Sample ID: SB-01-6.5-7.0-050624

Lab Sample ID: 480-219561-1

Date Collected: 05/06/24 10:25
Matrix: Solid
Date Received: 05/07/24 10:00
Percent Solids: 76.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1	U	4.1	0.30	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,1,2,2-Tetrachloroethane	4.1	U	4.1	0.67	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U	4.1	0.94	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,1,2-Trichloroethane	4.1	U	4.1	0.53	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,1-Dichloroethane	4.1	U	4.1	0.50	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,1-Dichloroethene	4.1	U	4.1	0.50	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,2,4-Trichlorobenzene	4.1	U	4.1	0.25	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,2-Dibromo-3-Chloropropane	4.1	U	4.1	2.1	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,2-Dibromoethane	4.1	U	4.1	0.53	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,2-Dichlorobenzene	4.1	U	4.1	0.32	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,2-Dichloroethane	4.1	U	4.1	0.21	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,2-Dichloropropane	4.1	U	4.1	2.1	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,3-Dichlorobenzene	4.1	U	4.1	0.21	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,4-Dichlorobenzene	4.1	U	4.1	0.58	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
2-Butanone (MEK)	21	U	21	1.5	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.3	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Acetone	21	U *+	21	3.5	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Benzene	4.1	U	4.1	0.20	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Bromodichloromethane	4.1	U	4.1	0.55	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Bromoform	4.1	U	4.1	2.1	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Bromomethane	4.1	U	4.1	0.37	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Carbon disulfide	4.1	U	4.1	2.1	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Carbon tetrachloride	4.1	U	4.1	0.40	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Chlorobenzene	4.1	U	4.1	0.54	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Chloroethane	4.1	U	4.1	0.93	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Chloroform	4.1	U	4.1	0.25	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Chloromethane	4.1	U	4.1	0.25	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
cis-1,2-Dichloroethene	4.1	U	4.1	0.53	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
cis-1,3-Dichloropropene	4.1	U	4.1	0.59	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Cyclohexane	4.1	U	4.1	0.58	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Dibromochloromethane	4.1	U	4.1	0.53	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Dichlorodifluoromethane	4.1	U	4.1	0.34	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Ethylbenzene	4.1	U	4.1	0.28	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Isopropylbenzene	4.1	U	4.1	0.62	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Methyl acetate	21	U	21	2.5	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Methyl tert-butyl ether	4.1	U	4.1	0.40	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Methylcyclohexane	4.1	U	4.1	0.62	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Methylene Chloride	**5.1**		4.1	1.9	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Styrene	4.1	U	4.1	0.21	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Tetrachloroethene	**2.9**	**J**	4.1	0.55	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Toluene	4.1	U	4.1	0.31	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
trans-1,2-Dichloroethene	4.1	U	4.1	0.42	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
trans-1,3-Dichloropropene	4.1	U	4.1	1.8	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Trichloroethene	4.1	U	4.1	0.90	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Trichlorofluoromethane	4.1	U	4.1	0.39	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Vinyl chloride	4.1	U	4.1	0.50	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Xylenes, Total	8.2	U	8.2	0.69	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
m,p-Xylene	8.2	U	8.2	0.69	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1

Client Sample ID: SB-01-6.5-7.0-050624
Lab Sample ID: 480-219561-1

Date Collected: 05/06/24 10:25
Matrix: Solid
Date Received: 05/07/24 10:00
Percent Solids: 76.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	4.1	U	4.1	0.54	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*05/07/24 11:45*	*05/08/24 03:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*64 - 126*	*05/07/24 11:45*	*05/08/24 03:24*	*1*
4-Bromofluorobenzene (Surr)	*103*		*72 - 126*	*05/07/24 11:45*	*05/08/24 03:24*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*05/07/24 11:45*	*05/08/24 03:24*	*1*
Toluene-d8 (Surr)	*94*		*71 - 125*	*05/07/24 11:45*	*05/08/24 03:24*	*1*

Client Sample ID: SB-01-40.0-40.5-050624
Lab Sample ID: 480-219561-2

Date Collected: 05/06/24 13:30
Matrix: Solid
Date Received: 05/07/24 10:00
Percent Solids: 70.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U	4.5	0.33	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,1,2,2-Tetrachloroethane	4.5	U	4.5	0.74	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	4.5	1.0	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,1,2-Trichloroethane	4.5	U	4.5	0.59	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,1-Dichloroethane	4.5	U	4.5	0.55	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,1-Dichloroethene	4.5	U	4.5	0.56	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,2,4-Trichlorobenzene	4.5	U	4.5	0.28	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,2-Dibromo-3-Chloropropane	4.5	U	4.5	2.3	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,2-Dibromoethane	4.5	U	4.5	0.58	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,2-Dichlorobenzene	4.5	U	4.5	0.35	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,2-Dichloroethane	4.5	U	4.5	0.23	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,2-Dichloropropane	4.5	U	4.5	2.3	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,3-Dichlorobenzene	4.5	U	4.5	0.23	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,4-Dichlorobenzene	4.5	U	4.5	0.64	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Acetone	**5.7**	**J *+**	23	3.8	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Benzene	4.5	U	4.5	0.22	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Bromodichloromethane	4.5	U	4.5	0.61	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Bromoform	4.5	U	4.5	2.3	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Bromomethane	4.5	U	4.5	0.41	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Carbon disulfide	4.5	U	4.5	2.3	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Carbon tetrachloride	4.5	U	4.5	0.44	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Chlorobenzene	4.5	U	4.5	0.60	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Chloroethane	4.5	U	4.5	1.0	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Chloroform	4.5	U	4.5	0.28	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Chloromethane	4.5	U	4.5	0.27	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
cis-1,2-Dichloroethene	4.5	U	4.5	0.58	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
cis-1,3-Dichloropropene	4.5	U	4.5	0.65	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Cyclohexane	4.5	U	4.5	0.64	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Dibromochloromethane	4.5	U	4.5	0.58	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Dichlorodifluoromethane	4.5	U	4.5	0.37	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1

Client Sample ID: SB-01-40.0-40.5-050624

Lab Sample ID: 480-219561-2

Date Collected: 05/06/24 13:30
Matrix: Solid
Date Received: 05/07/24 10:00
Percent Solids: 70.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	4.5	U	4.5	0.31	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Isopropylbenzene	4.5	U	4.5	0.68	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Methyl acetate	23	U	23	2.7	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Methyl tert-butyl ether	4.5	U	4.5	0.45	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Methylcyclohexane	4.5	U	4.5	0.69	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Methylene Chloride	4.5	U	4.5	2.1	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Styrene	4.5	U	4.5	0.23	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Tetrachloroethene	4.5	U	4.5	0.61	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Toluene	4.5	U	4.5	0.34	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
trans-1,2-Dichloroethene	4.5	U	4.5	0.47	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
trans-1,3-Dichloropropene	4.5	U	4.5	2.0	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Trichloroethene	4.5	U	4.5	1.0	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Trichlorofluoromethane	4.5	U	4.5	0.43	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Vinyl chloride	4.5	U	4.5	0.55	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Xylenes, Total	9.1	U	9.1	0.76	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
m,p-Xylene	9.1	U	9.1	0.76	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
o-Xylene	4.5	U	4.5	0.59	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*05/07/24 11:45*	*05/08/24 03:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*64 - 126*	*05/07/24 11:45*	*05/08/24 03:49*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 126*	*05/07/24 11:45*	*05/08/24 03:49*	*1*
Dibromofluoromethane (Surr)	*108*		*60 - 140*	*05/07/24 11:45*	*05/08/24 03:49*	*1*
Toluene-d8 (Surr)	*100*		*71 - 125*	*05/07/24 11:45*	*05/08/24 03:49*	*1*

Client Sample ID: SB-07-21.0-21.5-050724

Lab Sample ID: 480-219611-1

Date Collected: 05/07/24 09:15
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 75.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1	U	4.1	0.30	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,1,2,2-Tetrachloroethane	4.1	U	4.1	0.66	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U	4.1	0.93	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,1,2-Trichloroethane	4.1	U	4.1	0.53	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,1-Dichloroethane	4.1	U	4.1	0.50	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,1-Dichloroethene	4.1	U	4.1	0.50	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,2,4-Trichlorobenzene	4.1	U	4.1	0.25	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,2-Dibromo-3-Chloropropane	4.1	U	4.1	2.0	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,2-Dibromoethane	4.1	U	4.1	0.52	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,2-Dichlorobenzene	4.1	U	4.1	0.32	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,2-Dichloroethane	4.1	U	4.1	0.20	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,2-Dichloropropane	4.1	U	4.1	2.0	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,3-Dichlorobenzene	4.1	U	4.1	0.21	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,4-Dichlorobenzene	4.1	U	4.1	0.57	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
2-Butanone (MEK)	20	U	20	1.5	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
2-Hexanone	20	U	20	2.0	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
4-Methyl-2-pentanone (MIBK)	20	U	20	1.3	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1

Client Sample ID: SB-07-21.0-21.5-050724

Date Collected: 05/07/24 09:15
Date Received: 05/08/24 10:00

Lab Sample ID: 480-219611-1

Matrix: Solid
Percent Solids: 75.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**8.0**	**J**	20	3.4	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Benzene	4.1	U	4.1	0.20	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Bromodichloromethane	4.1	U	4.1	0.55	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Bromoform	4.1	U	4.1	2.0	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Bromomethane	4.1	U	4.1	0.37	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Carbon disulfide	4.1	U	4.1	2.0	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Carbon tetrachloride	4.1	U	4.1	0.39	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Chlorobenzene	4.1	U	4.1	0.54	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Chloroethane	4.1	U	4.1	0.92	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Chloroform	4.1	U	4.1	0.25	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Chloromethane	4.1	U	4.1	0.25	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
cis-1,2-Dichloroethene	4.1	U	4.1	0.52	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
cis-1,3-Dichloropropene	4.1	U	4.1	0.59	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Cyclohexane	4.1	U	4.1	0.57	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Dibromochloromethane	4.1	U	4.1	0.52	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Dichlorodifluoromethane	4.1	U	4.1	0.34	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Ethylbenzene	4.1	U	4.1	0.28	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Isopropylbenzene	4.1	U	4.1	0.61	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Methyl acetate	20	U	20	2.5	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Methyl tert-butyl ether	4.1	U	4.1	0.40	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Methylcyclohexane	4.1	U	4.1	0.62	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Methylene Chloride	4.1	U	4.1	1.9	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Styrene	4.1	U	4.1	0.20	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Tetrachloroethene	**8.2**		4.1	0.55	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Toluene	4.1	U	4.1	0.31	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
trans-1,2-Dichloroethene	4.1	U	4.1	0.42	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
trans-1,3-Dichloropropene	4.1	U	4.1	1.8	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Trichloroethene	4.1	U	4.1	0.90	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Trichlorofluoromethane	4.1	U	4.1	0.38	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Vinyl chloride	4.1	U	4.1	0.50	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Xylenes, Total	8.1	U	8.1	0.68	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
m,p-Xylene	8.1	U	8.1	0.68	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
o-Xylene	4.1	U	4.1	0.53	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*4.7*	*T J*	*ug/Kg*	☼	*9.59*	*N/A*	*05/08/24 17:00*	*05/08/24 23:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*	*05/08/24 17:00*	*05/08/24 23:24*	*1*
4-Bromofluorobenzene (Surr)	*103*		*72 - 126*	*05/08/24 17:00*	*05/08/24 23:24*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*05/08/24 17:00*	*05/08/24 23:24*	*1*
Toluene-d8 (Surr)	*93*		*71 - 125*	*05/08/24 17:00*	*05/08/24 23:24*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	130	U	130	71	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2,4,5-Trichlorophenol	220	U	220	59	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2,4,6-Trichlorophenol	220	U	220	44	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2,4-Dichlorophenol	220	U	220	23	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2,4-Dimethylphenol	220	U	220	53	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1

Client Sample ID: SB-07-21.0-21.5-050724

Lab Sample ID: 480-219611-1

Date Collected: 05/07/24 09:15
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 75.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	2100	U	2100	1000	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2,4-Dinitrotoluene	220	U	220	45	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2,6-Dinitrotoluene	220	U	220	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2-Chloronaphthalene	220	U	220	36	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2-Chlorophenol	420	U	420	40	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2-Methylnaphthalene	220	U	220	44	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2-Methylphenol	220	U	220	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2-Nitroaniline	420	U	420	32	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2-Nitrophenol	220	U	220	62	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
3,3'-Dichlorobenzidine	420	U	420	260	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
3-Nitroaniline	420	U	420	60	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
4,6-Dinitro-2-methylphenol	420	U	420	220	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
4-Bromophenyl phenyl ether	220	U	220	31	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
4-Chloro-3-methylphenol	220	U	220	54	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
4-Chloroaniline	220	U	220	54	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
4-Chlorophenyl phenyl ether	220	U	220	27	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
4-Methylphenol	420	U	420	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
4-Nitroaniline	420	U	420	110	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
4-Nitrophenol	420	U	420	150	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Acenaphthene	220	U	220	32	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Acenaphthylene	220	U	220	28	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Acetophenone	220	U	220	30	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Anthracene	220	U	220	54	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Atrazine	220	U	220	76	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Benzaldehyde	220	U	220	170	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Benzo[a]anthracene	220	U	220	22	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Benzo[a]pyrene	220	U	220	32	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Benzo[b]fluoranthene	220	U	220	35	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Benzo[g,h,i]perylene	220	U	220	23	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Benzo[k]fluoranthene	220	U	220	28	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Biphenyl	220	U	220	32	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
bis (2-chloroisopropyl) ether	220	U	220	44	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Bis(2-chloroethoxy)methane	220	U	220	46	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Bis(2-chloroethyl)ether	220	U	220	28	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Bis(2-ethylhexyl) phthalate	220	U	220	75	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Butyl benzyl phthalate	220	U	220	36	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Caprolactam	220	U	220	66	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Carbazole	220	U	220	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Chrysene	220	U	220	49	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Dibenz(a,h)anthracene	220	U	220	39	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Dibenzofuran	220	U	220	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Diethyl phthalate	220	U	220	28	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Dimethyl phthalate	220	U	220	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Di-n-butyl phthalate	220	U	220	37	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Di-n-octyl phthalate	220	U	220	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Fluoranthene	220	U	220	23	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Fluorene	220	U	220	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Hexachlorobenzene	220	U	220	30	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Hexachlorobutadiene	220	U	220	32	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1

Client Sample ID: SB-07-21.0-21.5-050724

Lab Sample ID: 480-219611-1

Date Collected: 05/07/24 09:15
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 75.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	220	U	220	30	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Hexachloroethane	220	U	220	28	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Indeno[1,2,3-cd]pyrene	220	U	220	27	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Isophorone	220	U	220	46	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Naphthalene	220	U	220	28	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Nitrobenzene	220	U	220	24	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
N-Nitrosodi-n-propylamine	220	U	220	37	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
N-Nitrosodiphenylamine	220	U	220	180	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Pentachlorophenol	420	U	420	220	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Phenanthrene	220	U	220	32	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Phenol	220	U	220	33	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Pyrene	220	U	220	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, 2,5-dimethyl-	*570*	*T J N*	*ug/Kg*	☼	*1.76*	*625-86-5*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
Unknown	*750*	*T J*	*ug/Kg*	☼	*2.06*	*N/A*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
Unknown	*4500*	*T J*	*ug/Kg*	☼	*3.60*	*N/A*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*3.86*	*N/A*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
Heptane, 3,4-dimethyl-	*180*	*T J N*	*ug/Kg*	☼	*3.90*	*922-28-1*	*05/08/24 16:31*	*05/10/24 19:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*26 - 143*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
2-Fluorobiphenyl	*92*		*50 - 121*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
2-Fluorophenol	*81*		*36 - 120*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
Nitrobenzene-d5	*86*		*40 - 121*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
Phenol-d5	*83*		*41 - 120*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
p-Terphenyl-d14	*106*		*46 - 143*	*05/08/24 16:31*	*05/10/24 19:21*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.2	U	2.2	0.42	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
4,4'-DDE	2.2	U	2.2	0.46	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
4,4'-DDT	2.2	U	2.2	0.51	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Aldrin	2.2	U	2.2	0.54	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
alpha-BHC	2.2	U	2.2	0.39	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
beta-BHC	2.2	U	2.2	0.39	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
cis-Chlordane	2.2	U	2.2	1.1	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
delta-BHC	2.2	U	2.2	0.41	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Dieldrin	2.2	U	2.2	0.52	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Endosulfan I	2.2	U	2.2	0.42	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Endosulfan II	2.2	U	2.2	0.39	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Endosulfan sulfate	2.2	U	2.2	0.41	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Endrin	2.2	U	2.2	0.43	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Endrin aldehyde	2.2	U	2.2	0.56	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Endrin ketone	2.2	U	2.2	0.54	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
gamma-BHC (Lindane)	2.2	U	2.2	0.40	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Heptachlor	2.2	U	2.2	0.47	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Heptachlor epoxide	2.2	U	2.2	0.56	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Methoxychlor	2.2	U	2.2	0.45	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Toxaphene	22	U	22	13	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1

Client Sample ID: SB-07-21.0-21.5-050724

Lab Sample ID: 480-219611-1

Date Collected: 05/07/24 09:15
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 75.8

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	2.2	U	2.2	0.69	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*45 - 120*	*05/09/24 08:12*	*05/10/24 19:05*	*1*
DCB Decachlorobiphenyl	*83*		*45 - 120*	*05/09/24 08:12*	*05/10/24 19:05*	*1*
Tetrachloro-m-xylene	*65*		*30 - 124*	*05/09/24 08:12*	*05/10/24 19:05*	*1*
Tetrachloro-m-xylene	*67*		*30 - 124*	*05/09/24 08:12*	*05/10/24 19:05*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.27	U	0.27	0.054	mg/Kg	☼	05/08/24 16:44	05/09/24 22:11	1
PCB-1221	0.27	U	0.27	0.054	mg/Kg	☼	05/08/24 16:44	05/09/24 22:11	1
PCB-1232	0.27	U	0.27	0.054	mg/Kg	☼	05/08/24 16:44	05/09/24 22:11	1
PCB-1242	0.27	U	0.27	0.054	mg/Kg	☼	05/08/24 16:44	05/09/24 22:11	1
PCB-1248	0.27	U	0.27	0.054	mg/Kg	☼	05/08/24 16:44	05/09/24 22:11	1
PCB-1254	0.27	U	0.27	0.13	mg/Kg	☼	05/08/24 16:44	05/09/24 22:11	1
PCB-1260	0.27	U	0.27	0.13	mg/Kg	☼	05/08/24 16:44	05/09/24 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*104*		*65 - 174*	*05/08/24 16:44*	*05/09/24 22:11*	*1*
DCB Decachlorobiphenyl	*102*		*65 - 174*	*05/08/24 16:44*	*05/09/24 22:11*	*1*
Tetrachloro-m-xylene	*101*		*60 - 154*	*05/08/24 16:44*	*05/09/24 22:11*	*1*
Tetrachloro-m-xylene	*94*		*60 - 154*	*05/08/24 16:44*	*05/09/24 22:11*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1.0	U	1.0	0.048	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluoropentanoic acid (PFPeA)	0.52	U	0.52	0.027	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorohexanoic acid (PFHxA)	0.26	U	0.26	0.027	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluoroheptanoic acid (PFHpA)	0.26	U	0.26	0.028	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorooctanoic acid (PFOA)	0.26	U	0.26	0.054	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorononanoic acid (PFNA)	0.26	U	0.26	0.016	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorodecanoic acid (PFDA)	0.26	U	0.26	0.097	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluoroundecanoic acid (PFUnA)	0.26	U	0.26	0.036	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorododecanoic acid (PFDoA)	0.26	U	0.26	0.072	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorotridecanoic acid (PFTriA)	0.26	U	0.26	0.036	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorotetradecanoic acid (PFTeDA)	0.26	U	0.26	0.022	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorobutanesulfonic acid (PFBS)	0.26	U	0.26	0.018	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluoropentanesulfonic acid (PFPeS)	0.26	U	0.26	0.017	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorohexanesulfonic acid (PFHxS)	0.26	U	0.26	0.026	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluoroheptanesulfonic acid (PFHpS)	0.26	U	0.26	0.036	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorooctanesulfonic acid (PFOS)	0.26	U	0.26	0.072	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorononanesulfonic acid (PFNS)	0.26	U	0.26	0.036	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorodecanesulfonic acid (PFDS)	0.26	U	0.26	0.026	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorododecanesulfonic acid (PFDoS)	0.26	U	0.26	0.022	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
4:2 FTS	1.0	U	1.0	0.10	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
6:2 FTS	1.0	U	1.0	0.63	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
8:2 FTS	1.0	U	1.0	0.15	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1

Client Sample ID: SB-07-21.0-21.5-050724

Lab Sample ID: 480-219611-1

Date Collected: 05/07/24 09:15
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 75.8

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (PFOSA)	0.26	U	0.26	0.016	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
NMeFOSA	0.26	U	0.26	0.031	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
NEtFOSA	0.26	U	0.26	0.040	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
NMeFOSAA	0.26	U	0.26	0.032	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
NEtFOSAA	0.26	U	0.26	0.031	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
NMeFOSE	2.6	U	2.6	0.13	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
NEtFOSE	2.6	U	2.6	0.14	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
HFPO-DA (GenX)	1.0	U	1.0	0.12	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.0	U	1.0	0.10	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
PFMBA	0.52	U	0.52	0.025	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
NFDHA	0.52	U	0.52	0.062	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
PFMPA	0.52	U	0.52	0.12	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
9Cl-PF3ONS	1.0	U	1.0	0.066	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
11Cl-PF3OUdS	1.0	U	1.0	0.16	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
PFEESA	0.52	U	0.52	0.052	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
3:3 FTCA	1.3	U	1.3	0.23	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
5:3 FTCA	6.5	U	6.5	0.47	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
7:3 FTCA	6.5	U	6.5	0.40	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*67*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C5 PFPeA	*93*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C5 PFHxA	*85*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C4 PFHpA	*84*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C8 PFOA	*79*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C9 PFNA	*84*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C6 PFDA	*87*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C7 PFUnA	*80*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C2 PFDoA	*55*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C2 PFTeDA	*66*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C3 PFBS	*87*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C3 PFHxS	*91*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C8 PFOS	*79*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C8 FOSA	*66*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
d3-NMeFOSAA	*80*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
d5-NEtFOSAA	*81*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
M2-4:2 FTS	*101*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
M2-6:2 FTS	*104*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
M2-8:2 FTS	*103*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C3 HFPO-DA	*86*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
d7-N-MeFOSE-M	*45*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
d9-N-EtFOSE-M	*48*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
d5-NEtPFOSA	*44*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
d3-NMePFOSA	*43*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4950**		12.8	5.6	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Antimony	**0.63**	**J**	19.2	0.51	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Arsenic	**1.6**	**J**	2.6	0.51	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1

Client Sample ID: SB-07-21.0-21.5-050724
Lab Sample ID: 480-219611-1

Date Collected: 05/07/24 09:15
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 75.8

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	15.3		0.64	0.14	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Beryllium	0.27		0.26	0.036	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Cadmium	0.060	J	0.26	0.038	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Calcium	25200	B	63.9	4.2	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Chromium	6.9		0.64	0.26	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Cobalt	4.3		0.64	0.064	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Copper	9.9		1.3	0.27	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Iron	10300	B	12.8	4.5	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Lead	4.2		1.3	0.31	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Magnesium	7710		25.6	1.2	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Manganese	303	B	0.26	0.041	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Nickel	9.1		6.4	0.29	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Potassium	1180		38.4	25.6	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Selenium	5.1	U	5.1	0.51	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Silver	0.77	U	0.77	0.26	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Sodium	231		179	16.6	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Thallium	7.7	U	7.7	0.38	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Vanadium	12.2		0.64	0.14	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Zinc	22.8		2.6	0.82	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.026	0.0059	mg/Kg	☼	05/10/24 09:21	05/10/24 12:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	1.1	U	1.1	0.54	mg/Kg	☼	05/21/24 13:50	05/21/24 16:43	1

Client Sample ID: SB-07-45.0-45.5-050724
Lab Sample ID: 480-219611-2

Date Collected: 05/07/24 12:12
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 80.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.8	U	3.8	0.28	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,1,2,2-Tetrachloroethane	3.8	U	3.8	0.62	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.8	U	3.8	0.87	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,1,2-Trichloroethane	3.8	U	3.8	0.50	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,1-Dichloroethane	3.8	U	3.8	0.47	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,1-Dichloroethene	3.8	U	3.8	0.47	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,2,4-Trichlorobenzene	3.8	U	3.8	0.23	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,2-Dibromo-3-Chloropropane	3.8	U	3.8	1.9	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,2-Dibromoethane	3.8	U	3.8	0.49	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,2-Dichlorobenzene	3.8	U	3.8	0.30	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,2-Dichloroethane	3.8	U	3.8	0.19	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,2-Dichloropropane	3.8	U	3.8	1.9	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,3-Dichlorobenzene	3.8	U	3.8	0.20	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,4-Dichlorobenzene	3.8	U	3.8	0.54	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
2-Butanone (MEK)	19	U	19	1.4	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
2-Hexanone	19	U	19	1.9	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1

Client Sample ID: SB-07-45.0-45.5-050724

Lab Sample ID: 480-219611-2

Date Collected: 05/07/24 12:12
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 80.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	19	U	19	1.3	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Acetone	**8.9**	**J**	19	3.2	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Benzene	3.8	U	3.8	0.19	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Bromodichloromethane	3.8	U	3.8	0.51	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Bromoform	3.8	U	3.8	1.9	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Bromomethane	3.8	U	3.8	0.34	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Carbon disulfide	3.8	U	3.8	1.9	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Carbon tetrachloride	3.8	U	3.8	0.37	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Chlorobenzene	3.8	U	3.8	0.50	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Chloroethane	3.8	U	3.8	0.86	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Chloroform	3.8	U	3.8	0.24	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Chloromethane	3.8	U	3.8	0.23	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
cis-1,2-Dichloroethene	3.8	U	3.8	0.49	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
cis-1,3-Dichloropropene	3.8	U	3.8	0.55	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Cyclohexane	3.8	U	3.8	0.54	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Dibromochloromethane	3.8	U	3.8	0.49	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Dichlorodifluoromethane	3.8	U	3.8	0.32	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Ethylbenzene	3.8	U	3.8	0.26	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Isopropylbenzene	3.8	U	3.8	0.58	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Methyl acetate	19	U	19	2.3	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Methyl tert-butyl ether	3.8	U	3.8	0.38	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Methylcyclohexane	3.8	U	3.8	0.58	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Methylene Chloride	3.8	U	3.8	1.8	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Styrene	3.8	U	3.8	0.19	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Tetrachloroethene	**1.7**	**J**	3.8	0.51	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Toluene	3.8	U	3.8	0.29	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
trans-1,2-Dichloroethene	3.8	U	3.8	0.39	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
trans-1,3-Dichloropropene	3.8	U	3.8	1.7	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Trichloroethene	3.8	U	3.8	0.84	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Trichlorofluoromethane	3.8	U	3.8	0.36	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Vinyl chloride	3.8	U	3.8	0.47	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Xylenes, Total	7.7	U	7.7	0.64	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
m,p-Xylene	7.7	U	7.7	0.64	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
o-Xylene	3.8	U	3.8	0.50	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*4.6*	*T J*	*ug/Kg*	☼	*9.59*	*N/A*	*05/08/24 17:00*	*05/08/24 23:48*	*1*
Acetic acid, 2-ethylhexyl ester	*6.0*	*T J N*	*ug/Kg*	☼	*11.84*	*103-09-3*	*05/08/24 17:00*	*05/08/24 23:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*	*05/08/24 17:00*	*05/08/24 23:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*	*05/08/24 17:00*	*05/08/24 23:48*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*05/08/24 17:00*	*05/08/24 23:48*	*1*
Toluene-d8 (Surr)	*94*		*71 - 125*	*05/08/24 17:00*	*05/08/24 23:48*	*1*

Client Sample ID: SB-09-4.5-5.0-050724

Lab Sample ID: 480-219611-3

Date Collected: 05/07/24 14:10
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 93.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	41	U	41	11	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,1,2,2-Tetrachloroethane	41	U	41	6.7	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	41	U	41	21	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,1,2-Trichloroethane	41	U	41	8.7	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,1-Dichloroethane	41	U	41	13	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,1-Dichloroethene	41	U	41	14	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,2,4-Trichlorobenzene	41	U	41	16	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,2-Dibromo-3-Chloropropane	41	U	41	21	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,2-Dichlorobenzene	41	U	41	11	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,2-Dichloroethane	41	U	41	17	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,2-Dichloropropane	41	U	41	6.7	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,3-Dichlorobenzene	41	U	41	11	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,4-Dichlorobenzene	41	U	41	5.8	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
2-Butanone (MEK)	210	U	210	120	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
2-Hexanone	210	U	210	85	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
4-Methyl-2-pentanone (MIBK)	210	U	210	13	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Acetone	210	U	210	170	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Benzene	41	U	41	7.9	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Bromoform	41	U	41	21	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Bromomethane	41	U	41	9.1	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Carbon disulfide	41	U	41	19	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Carbon tetrachloride	41	U	41	11	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Chlorobenzene	41	U	41	5.5	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Dibromochloromethane	41	U	41	20	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Chloroethane	41	U	41	8.6	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Chloroform	41	U	41	28	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Chloromethane	41	U	41	9.9	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
cis-1,2-Dichloroethene	41	U	41	11	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Cyclohexane	41	U	41	9.2	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Bromodichloromethane	41	U	41	8.3	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Dichlorodifluoromethane	41	U	41	18	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Ethylbenzene	41	U	41	12	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,2-Dibromoethane	41	U	41	7.2	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Isopropylbenzene	41	U	41	6.2	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Methyl acetate	210	U	210	20	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Methyl tert-butyl ether	41	U	41	16	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Methylcyclohexane	41	U	41	19	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Methylene Chloride	41	U	41	8.2	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
m,p-Xylene	83	U	83	23	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
o-Xylene	41	U	41	5.4	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Tetrachloroethene	**420**		41	5.6	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Toluene	41	U	41	11	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
trans-1,2-Dichloroethene	41	U	41	9.8	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
trans-1,3-Dichloropropene	41	U	41	4.1	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Trichloroethene	41	U	41	12	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Trichlorofluoromethane	41	U	41	19	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Vinyl chloride	41	U	41	14	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Xylenes, Total	83	U	83	23	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
cis-1,3-Dichloropropene	41	U	41	9.9	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1

Client Sample ID: SB-09-4.5-5.0-050724
Lab Sample ID: 480-219611-3

Date Collected: 05/07/24 14:10
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 93.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	41	U	41	10	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*05/09/24 11:13*	*05/09/24 17:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*05/09/24 11:13*	*05/09/24 17:29*	*1*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*05/09/24 11:13*	*05/09/24 17:29*	*1*
Toluene-d8 (Surr)	*102*		*50 - 149*	*05/09/24 11:13*	*05/09/24 17:29*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 140*	*05/09/24 11:13*	*05/09/24 17:29*	*1*

Client Sample ID: SB-09-11.2-11.7-050724
Lab Sample ID: 480-219611-4

Date Collected: 05/07/24 14:25
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 73.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	61	U	61	17	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,1,2,2-Tetrachloroethane	61	U	61	10	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	61	U	61	31	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,1,2-Trichloroethane	61	U	61	13	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,1-Dichloroethane	61	U	61	19	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,1-Dichloroethene	61	U	61	21	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,2,4-Trichlorobenzene	61	U	61	23	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,2-Dibromo-3-Chloropropane	61	U	61	31	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,2-Dichlorobenzene	61	U	61	16	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,2-Dichloroethane	61	U	61	25	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,2-Dichloropropane	61	U	61	10	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,3-Dichlorobenzene	61	U	61	16	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,4-Dichlorobenzene	61	U	61	8.6	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
2-Butanone (MEK)	310	U	310	180	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
2-Hexanone	310	U	310	130	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
4-Methyl-2-pentanone (MIBK)	310	U	310	20	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Acetone	310	U	310	250	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Benzene	61	U	61	12	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Bromoform	61	U	61	31	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Bromomethane	61	U	61	14	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Carbon disulfide	61	U	61	28	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Carbon tetrachloride	61	U	61	16	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Chlorobenzene	61	U	61	8.1	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Dibromochloromethane	61	U	61	30	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Chloroethane	61	U	61	13	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Chloroform	61	U	61	42	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Chloromethane	61	U	61	15	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
cis-1,2-Dichloroethene	61	U	61	17	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Cyclohexane	61	U	61	14	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Bromodichloromethane	61	U	61	12	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Dichlorodifluoromethane	61	U	61	27	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Ethylbenzene	61	U	61	18	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,2-Dibromoethane	61	U	61	11	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1

Client Sample ID: SB-09-11.2-11.7-050724

Lab Sample ID: 480-219611-4
Date Collected: 05/07/24 14:25
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 73.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	61	U	61	9.2	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Methyl acetate	310	U	310	29	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Methyl tert-butyl ether	61	U	61	23	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Methylcyclohexane	61	U	61	29	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Methylene Chloride	61	U	61	12	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
m,p-Xylene	120	U	120	34	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
o-Xylene	61	U	61	8.0	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Tetrachloroethene	**520**		61	8.3	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Toluene	61	U	61	16	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
trans-1,2-Dichloroethene	61	U	61	14	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
trans-1,3-Dichloropropene	61	U	61	6.0	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Trichloroethene	61	U	61	17	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Trichlorofluoromethane	61	U	61	29	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Vinyl chloride	61	U	61	21	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Xylenes, Total	120	U	120	34	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
cis-1,3-Dichloropropene	61	U	61	15	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Styrene	61	U	61	15	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*05/09/24 11:13*	*05/09/24 17:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*05/09/24 11:13*	*05/09/24 17:52*	*1*
4-Bromofluorobenzene (Surr)	*107*		*49 - 148*	*05/09/24 11:13*	*05/09/24 17:52*	*1*
Toluene-d8 (Surr)	*110*		*50 - 149*	*05/09/24 11:13*	*05/09/24 17:52*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*	*05/09/24 11:13*	*05/09/24 17:52*	*1*

Client Sample ID: SB-09-21.0-21.5-050824

Lab Sample ID: 480-219687-1
Date Collected: 05/08/24 08:55
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 76.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	67	U	67	19	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,1,2,2-Tetrachloroethane	67	U	67	11	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	67	U	67	34	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,1,2-Trichloroethane	67	U	67	14	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,1-Dichloroethane	67	U	67	21	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,1-Dichloroethene	67	U	67	23	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,2,4-Trichlorobenzene	67	U	67	26	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,2-Dibromo-3-Chloropropane	67	U	67	34	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,2-Dichlorobenzene	67	U	67	17	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,2-Dichloroethane	67	U	67	28	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,2-Dichloropropane	67	U	67	11	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,3-Dichlorobenzene	67	U	67	18	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,4-Dichlorobenzene	67	U	67	9.4	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
2-Butanone (MEK)	340	U	340	200	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
2-Hexanone	340	U	340	140	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
4-Methyl-2-pentanone (MIBK)	340	U	340	22	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Acetone	340	U	340	280	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1

Client Sample ID: SB-09-21.0-21.5-050824

Lab Sample ID: 480-219687-1

Date Collected: 05/08/24 08:55
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 76.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	67	U	67	13	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Bromoform	67	U	67	34	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Bromomethane	67	U	67	15	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Carbon disulfide	67	U	67	31	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Carbon tetrachloride	67	U	67	17	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Chlorobenzene	67	U	67	8.9	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Dibromochloromethane	67	U	67	33	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Chloroethane	67	U	67	14	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Chloroform	67	U	67	46	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Chloromethane	67	U	67	16	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
cis-1,2-Dichloroethene	67	U	67	19	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Cyclohexane	67	U	67	15	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Bromodichloromethane	67	U	67	13	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Dichlorodifluoromethane	67	U	67	29	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Ethylbenzene	67	U	67	20	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,2-Dibromoethane	67	U	67	12	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Isopropylbenzene	67	U	67	10	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Methyl acetate	340	U	340	32	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Methyl tert-butyl ether	67	U	67	25	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Methylcyclohexane	67	U	67	32	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Methylene Chloride	67	U	67	13	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
m,p-Xylene	130	U	130	37	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
o-Xylene	67	U	67	8.8	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Tetrachloroethene	**710**		67	9.1	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Toluene	67	U	67	18	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
trans-1,2-Dichloroethene	67	U	67	16	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
trans-1,3-Dichloropropene	67	U	67	6.6	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Trichloroethene	67	U	67	19	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Trichlorofluoromethane	67	U	67	32	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Vinyl chloride	67	U	67	23	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Xylenes, Total	130	U	130	37	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
cis-1,3-Dichloropropene	67	U	67	16	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Styrene	67	U	67	16	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Column Bleed	*840*	*T H J*	*ug/Kg*	☼	*9.15*	*N/A*	*05/13/24 08:59*	*05/13/24 14:12*	*1*
Unknown	*630*	*T H J*	*ug/Kg*	☼	*10.98*	*N/A*	*05/13/24 08:59*	*05/13/24 14:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*53 - 146*	*05/13/24 08:59*	*05/13/24 14:12*	*1*
4-Bromofluorobenzene (Surr)	*109*		*49 - 148*	*05/13/24 08:59*	*05/13/24 14:12*	*1*
Toluene-d8 (Surr)	*115*		*50 - 149*	*05/13/24 08:59*	*05/13/24 14:12*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*05/13/24 08:59*	*05/13/24 14:12*	*1*

Client Sample ID: SB-09-33.5-34.0-050824

Lab Sample ID: 480-219687-2

Date Collected: 05/08/24 09:40
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 73.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.2	U	4.2	0.31	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,1,2,2-Tetrachloroethane	4.2	U	4.2	0.68	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.2	U	4.2	0.96	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,1,2-Trichloroethane	4.2	U	4.2	0.55	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,1-Dichloroethane	4.2	U	4.2	0.51	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,1-Dichloroethene	4.2	U	4.2	0.52	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,2,4-Trichlorobenzene	4.2	U	4.2	0.26	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,2-Dibromo-3-Chloropropane	4.2	U	4.2	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,2-Dibromoethane	4.2	U	4.2	0.54	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,2-Dichlorobenzene	4.2	U	4.2	0.33	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,2-Dichloroethane	4.2	U	4.2	0.21	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,2-Dichloropropane	4.2	U	4.2	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,3-Dichlorobenzene	4.2	U	4.2	0.22	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,4-Dichlorobenzene	4.2	U	4.2	0.59	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
2-Butanone (MEK)	21	U	21	1.5	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Acetone	**4.0**	**J *+**	21	3.5	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Benzene	4.2	U	4.2	0.21	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Bromodichloromethane	4.2	U	4.2	0.56	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Bromoform	4.2	U	4.2	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Bromomethane	4.2	U	4.2	0.38	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Carbon disulfide	4.2	U	4.2	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Carbon tetrachloride	4.2	U	4.2	0.41	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Chlorobenzene	4.2	U	4.2	0.56	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Chloroethane	4.2	U	4.2	0.95	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Chloroform	4.2	U	4.2	0.26	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Chloromethane	4.2	U	4.2	0.25	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
cis-1,2-Dichloroethene	4.2	U	4.2	0.54	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
cis-1,3-Dichloropropene	4.2	U	4.2	0.61	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Cyclohexane	4.2	U	4.2	0.59	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Dibromochloromethane	4.2	U	4.2	0.54	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Dichlorodifluoromethane	4.2	U	4.2	0.35	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Ethylbenzene	4.2	U	4.2	0.29	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Isopropylbenzene	4.2	U	4.2	0.64	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Methyl acetate	21	U	21	2.5	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Methyl tert-butyl ether	4.2	U	4.2	0.41	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Methylcyclohexane	4.2	U	4.2	0.64	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Methylene Chloride	4.2	U	4.2	1.9	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Styrene	4.2	U	4.2	0.21	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Tetrachloroethene	4.2	U	4.2	0.57	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Toluene	4.2	U	4.2	0.32	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
trans-1,2-Dichloroethene	4.2	U	4.2	0.43	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
trans-1,3-Dichloropropene	4.2	U	4.2	1.9	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Trichloroethene	4.2	U	4.2	0.93	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Trichlorofluoromethane	4.2	U	4.2	0.40	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Vinyl chloride	4.2	U	4.2	0.51	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Xylenes, Total	8.4	U	8.4	0.71	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
m,p-Xylene	8.4	U	8.4	0.71	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1

Client Sample ID: SB-09-33.5-34.0-050824

Lab Sample ID: 480-219687-2

Date Collected: 05/08/24 09:40
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 73.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	4.2	U	4.2	0.55	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*4.6*	*T J*	*ug/Kg*	☼	*9.59*	*N/A*	*05/09/24 13:00*	*05/11/24 10:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*05/09/24 13:00*	*05/11/24 10:53*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*	*05/09/24 13:00*	*05/11/24 10:53*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*05/09/24 13:00*	*05/11/24 10:53*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*05/09/24 13:00*	*05/11/24 10:53*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	140	U	140	75	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2,4,5-Trichlorophenol	230	U	230	62	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2,4,6-Trichlorophenol	230	U	230	46	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2,4-Dichlorophenol	230	U	230	24	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2,4-Dimethylphenol	230	U	230	56	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2,4-Dinitrophenol	2300	U	2300	1100	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2,4-Dinitrotoluene	230	U	230	48	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2,6-Dinitrotoluene	230	U	230	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2-Chloronaphthalene	230	U	230	38	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2-Chlorophenol	450	U	450	42	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2-Methylnaphthalene	230	U	230	46	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2-Methylphenol	230	U	230	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2-Nitroaniline	450	U	450	34	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2-Nitrophenol	230	U	230	65	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
3,3'-Dichlorobenzidine	450	U	450	270	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
3-Nitroaniline	450	U	450	64	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
4,6-Dinitro-2-methylphenol	450	U	450	230	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
4-Bromophenyl phenyl ether	230	U	230	33	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
4-Chloro-3-methylphenol	230	U	230	57	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
4-Chloroaniline	230	U	230	57	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
4-Chlorophenyl phenyl ether	230	U	230	29	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
4-Methylphenol	450	U	450	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
4-Nitroaniline	450	U	450	120	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
4-Nitrophenol	450	U	450	160	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Acenaphthene	230	U	230	34	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Acenaphthylene	230	U	230	30	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Acetophenone	230	U	230	31	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Anthracene	230	U	230	57	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Atrazine	230	U	230	80	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Benzaldehyde	230	U	230	180	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Benzo[a]anthracene	230	U	230	23	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Benzo[a]pyrene	230	U	230	34	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Benzo[b]fluoranthene	230	U	230	37	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Benzo[g,h,i]perylene	230	U	230	24	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Benzo[k]fluoranthene	230	U	230	30	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Biphenyl	230	U	230	34	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
bis (2-chloroisopropyl) ether	230	U	230	46	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1

Client Sample ID: SB-09-33.5-34.0-050824
Lab Sample ID: 480-219687-2

Date Collected: 05/08/24 09:40
Matrix: Solid

Date Received: 05/09/24 10:00
Percent Solids: 73.1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	230	U	230	49	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Bis(2-chloroethyl)ether	230	U	230	30	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Bis(2-ethylhexyl) phthalate	230	U	230	79	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Butyl benzyl phthalate	230	U	230	38	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Caprolactam	230	U	230	69	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Carbazole	230	U	230	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Chrysene	230	U	230	52	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Dibenz(a,h)anthracene	230	U	230	41	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Dibenzofuran	230	U	230	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Diethyl phthalate	230	U	230	30	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Dimethyl phthalate	230	U	230	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Di-n-butyl phthalate	230	U	230	39	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Di-n-octyl phthalate	230	U	230	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Fluoranthene	230	U	230	24	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Fluorene	230	U	230	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Hexachlorobenzene	230	U	230	31	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Hexachlorobutadiene	230	U	230	34	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Hexachlorocyclopentadiene	230	U	230	31	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Hexachloroethane	230	U	230	30	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Indeno[1,2,3-cd]pyrene	230	U	230	29	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Isophorone	230	U	230	49	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Naphthalene	230	U	230	30	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Nitrobenzene	230	U	230	26	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
N-Nitrosodi-n-propylamine	230	U	230	39	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
N-Nitrosodiphenylamine	230	U	230	190	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Pentachlorophenol	450	U	450	230	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Phenanthrene	230	U	230	34	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Phenol	230	U	230	35	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Pyrene	230	U	230	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, 2,5-dimethyl-	*620*	*T J N*	*ug/Kg*	☼	*1.77*	*625-86-5*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
Unknown	*700*	*T J*	*ug/Kg*	☼	*2.05*	*N/A*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
Unknown	*4500*	*T J*	*ug/Kg*	☼	*3.61*	*N/A*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*3.86*	*N/A*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*3.90*	*N/A*	*05/09/24 16:25*	*05/10/24 21:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*26 - 143*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
2-Fluorobiphenyl	*98*		*50 - 121*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
2-Fluorophenol	*83*		*36 - 120*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
Nitrobenzene-d5	*87*		*40 - 121*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
Phenol-d5	*84*		*41 - 120*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
p-Terphenyl-d14	*114*		*46 - 143*	*05/09/24 16:25*	*05/10/24 21:13*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.3	U	2.3	0.44	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
4,4'-DDE	2.3	U	2.3	0.47	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
4,4'-DDT	2.3	U	2.3	0.53	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1

Client Sample ID: SB-09-33.5-34.0-050824

Lab Sample ID: 480-219687-2

Date Collected: 05/08/24 09:40
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 73.1

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	2.3	U	2.3	0.55	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
alpha-BHC	2.3	U	2.3	0.40	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
beta-BHC	2.3	U	2.3	0.40	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
cis-Chlordane	2.3	U	2.3	1.1	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
delta-BHC	2.3	U	2.3	0.42	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Dieldrin	2.3	U	2.3	0.54	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Endosulfan I	2.3	U	2.3	0.43	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Endosulfan II	2.3	U	2.3	0.40	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Endosulfan sulfate	2.3	U	2.3	0.42	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Endrin	2.3	U	2.3	0.44	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Endrin aldehyde	2.3	U	2.3	0.57	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Endrin ketone	2.3	U	2.3	0.55	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
gamma-BHC (Lindane)	2.3	U	2.3	0.41	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Heptachlor	2.3	U	2.3	0.49	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Heptachlor epoxide	2.3	U	2.3	0.58	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Methoxychlor	2.3	U	2.3	0.46	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Toxaphene	23	U	23	13	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
trans-Chlordane	2.3	U	2.3	0.71	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*45 - 120*	*05/10/24 08:08*	*05/13/24 12:21*	*1*
DCB Decachlorobiphenyl	*95*		*45 - 120*	*05/10/24 08:08*	*05/13/24 12:21*	*1*
Tetrachloro-m-xylene	*62*		*30 - 124*	*05/10/24 08:08*	*05/13/24 12:21*	*1*
Tetrachloro-m-xylene	*71*		*30 - 124*	*05/10/24 08:08*	*05/13/24 12:21*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.24	U	0.24	0.047	mg/Kg	☼	05/09/24 16:28	05/14/24 00:29	1
PCB-1221	0.24	U	0.24	0.047	mg/Kg	☼	05/09/24 16:28	05/14/24 00:29	1
PCB-1232	0.24	U	0.24	0.047	mg/Kg	☼	05/09/24 16:28	05/14/24 00:29	1
PCB-1242	0.24	U	0.24	0.047	mg/Kg	☼	05/09/24 16:28	05/14/24 00:29	1
PCB-1248	0.24	U	0.24	0.047	mg/Kg	☼	05/09/24 16:28	05/14/24 00:29	1
PCB-1254	0.24	U	0.24	0.11	mg/Kg	☼	05/09/24 16:28	05/14/24 00:29	1
PCB-1260	0.24	U	0.24	0.11	mg/Kg	☼	05/09/24 16:28	05/14/24 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*123*		*65 - 174*	*05/09/24 16:28*	*05/14/24 00:29*	*1*
DCB Decachlorobiphenyl	*123*		*65 - 174*	*05/09/24 16:28*	*05/14/24 00:29*	*1*
Tetrachloro-m-xylene	*115*		*60 - 154*	*05/09/24 16:28*	*05/14/24 00:29*	*1*
Tetrachloro-m-xylene	*105*		*60 - 154*	*05/09/24 16:28*	*05/14/24 00:29*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.99	U	0.99	0.046	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluoropentanoic acid (PFPeA)	0.50	U	0.50	0.026	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorohexanoic acid (PFHxA)	0.25	U	0.25	0.026	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluoroheptanoic acid (PFHpA)	0.25	U	0.25	0.027	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorooctanoic acid (PFOA)	0.25	U	0.25	0.052	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorononanoic acid (PFNA)	0.25	U	0.25	0.015	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorodecanoic acid (PFDA)	0.25	U	0.25	0.093	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1

Client Sample ID: SB-09-33.5-34.0-050824
Lab Sample ID: 480-219687-2
Date Collected: 05/08/24 09:40
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 73.1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	0.25	U	0.25	0.035	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorododecanoic acid (PFDoA)	0.25	U	0.25	0.070	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorotridecanoic acid (PFTriA)	0.25	U	0.25	0.035	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorotetradecanoic acid (PFTeDA)	0.25	U	0.25	0.021	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorobutanesulfonic acid (PFBS)	0.25	U	0.25	0.017	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluoropentanesulfonic acid (PFPeS)	0.25	U	0.25	0.016	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorohexanesulfonic acid (PFHxS)	0.25	U	0.25	0.025	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluoroheptanesulfonic acid (PFHpS)	0.25	U	0.25	0.035	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorooctanesulfonic acid (PFOS)	0.25	U	0.25	0.070	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorononanesulfonic acid (PFNS)	0.25	U	0.25	0.035	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorodecanesulfonic acid (PFDS)	0.25	U	0.25	0.025	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorododecanesulfonic acid (PFDoS)	0.25	U	0.25	0.021	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
4:2 FTS	0.99	U	0.99	0.096	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
6:2 FTS	0.99	U	0.99	0.60	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
8:2 FTS	0.99	U	0.99	0.14	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorooctanesulfonamide (PFOSA)	0.25	U	0.25	0.015	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
NMeFOSA	0.25	U	0.25	0.030	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
NEtFOSA	0.25	U	0.25	0.039	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
NMeFOSAA	0.25	U	0.25	0.031	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
NEtFOSAA	0.25	U	0.25	0.030	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
NMeFOSE	2.5	U	2.5	0.12	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
NEtFOSE	2.5	U	2.5	0.14	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
HFPO-DA (GenX)	0.99	U	0.99	0.12	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.99	U	0.99	0.10	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
PFMBA	0.50	U	0.50	0.024	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
NFDHA	0.50	U	0.50	0.060	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
PFMPA	0.50	U	0.50	0.11	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
9Cl-PF3ONS	0.99	U	0.99	0.063	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
11Cl-PF3OUdS	0.99	U	0.99	0.15	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
PFEESA	0.50	U	0.50	0.050	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
3:3 FTCA	1.2	U	1.2	0.22	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
5:3 FTCA	6.2	U	6.2	0.45	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
7:3 FTCA	6.2	U	6.2	0.38	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C5 PFPeA	*85*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C5 PFHxA	*83*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C4 PFHpA	*85*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C8 PFOA	*88*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C9 PFNA	*88*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C6 PFDA	*85*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C7 PFUnA	*82*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C2 PFDoA	*70*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C2 PFTeDA	*66*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C3 PFBS	*88*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C3 PFHxS	*85*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*

Client Sample ID: SB-09-33.5-34.0-050824

Date Collected: 05/08/24 09:40
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-2

Matrix: Solid
Percent Solids: 73.1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	87		20 - 150	05/17/24 07:11	05/20/24 22:21	1
13C8 FOSA	71		20 - 150	05/17/24 07:11	05/20/24 22:21	1
d3-NMeFOSAA	85		20 - 150	05/17/24 07:11	05/20/24 22:21	1
d5-NEtFOSAA	74		20 - 150	05/17/24 07:11	05/20/24 22:21	1
M2-4:2 FTS	101		20 - 150	05/17/24 07:11	05/20/24 22:21	1
M2-6:2 FTS	95		20 - 150	05/17/24 07:11	05/20/24 22:21	1
M2-8:2 FTS	104		20 - 150	05/17/24 07:11	05/20/24 22:21	1
13C3 HFPO-DA	80		20 - 150	05/17/24 07:11	05/20/24 22:21	1
d7-N-MeFOSE-M	43		20 - 150	05/17/24 07:11	05/20/24 22:21	1
d9-N-EtFOSE-M	46		20 - 150	05/17/24 07:11	05/20/24 22:21	1
d5-NEtPFOSA	43		20 - 150	05/17/24 07:11	05/20/24 22:21	1
d3-NMePFOSA	45		20 - 150	05/17/24 07:11	05/20/24 22:21	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3530**		13.4	5.9	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Antimony	20.1	U	20.1	0.54	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Arsenic	**1.9**	**J**	2.7	0.54	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Barium	**13.4**		0.67	0.15	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Beryllium	**0.19**	**J**	0.27	0.038	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Cadmium	**0.071**	**J B**	0.27	0.040	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Calcium	**15200**	**B**	67.1	4.4	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Chromium	**4.5**		0.67	0.27	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Cobalt	**2.7**		0.67	0.067	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Copper	**6.0**		1.3	0.28	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Iron	**6750**		13.4	4.7	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Lead	**2.2**		1.3	0.32	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Magnesium	**3750**		26.8	1.2	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Manganese	**171**	**B**	0.27	0.043	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Nickel	**5.8**	**J**	6.7	0.31	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Potassium	**923**		40.3	26.8	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Selenium	**0.58**	**J**	5.4	0.54	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Silver	0.81	U	0.81	0.27	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Sodium	**148**	**J**	188	17.4	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Thallium	8.1	U	8.1	0.40	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Vanadium	**7.9**		0.67	0.15	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Zinc	**15.7**		2.7	0.86	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0064**	**J**	0.026	0.0061	mg/Kg	☼	05/10/24 09:21	05/10/24 12:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	1.2	U	1.2	0.56	mg/Kg	☼	05/21/24 13:50	05/21/24 16:47	1

Client Sample ID: SB-11-4.5-5.0-050824

Lab Sample ID: 480-219687-3

Date Collected: 05/08/24 12:35
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 85.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	44	U	44	12	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,1,2,2-Tetrachloroethane	44	U	44	7.2	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	44	U	44	22	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,1,2-Trichloroethane	44	U	44	9.3	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,1-Dichloroethane	44	U	44	14	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,1-Dichloroethene	44	U	44	15	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,2,4-Trichlorobenzene	44	U	44	17	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,2-Dibromo-3-Chloropropane	44	U	44	22	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,2-Dichlorobenzene	44	U	44	11	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,2-Dichloroethane	44	U	44	18	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,2-Dichloropropane	44	U	44	7.2	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,3-Dichlorobenzene	44	U	44	12	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,4-Dichlorobenzene	44	U	44	6.2	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
2-Butanone (MEK)	220	U	220	130	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
2-Hexanone	220	U	220	91	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
4-Methyl-2-pentanone (MIBK)	220	U	220	14	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Acetone	220	U	220	180	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Benzene	44	U	44	8.4	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Bromoform	44	U	44	22	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Bromomethane	44	U	44	9.8	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Carbon disulfide	44	U	44	20	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Carbon tetrachloride	44	U	44	11	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Chlorobenzene	44	U	44	5.9	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Dibromochloromethane	44	U	44	21	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Chloroethane	44	U	44	9.2	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Chloroform	44	U	44	30	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Chloromethane	44	U	44	11	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
cis-1,2-Dichloroethene	44	U	44	12	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Cyclohexane	44	U	44	9.9	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Bromodichloromethane	44	U	44	8.9	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Dichlorodifluoromethane	44	U	44	19	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Ethylbenzene	44	U	44	13	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,2-Dibromoethane	44	U	44	7.8	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Isopropylbenzene	44	U	44	6.7	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Methyl acetate	220	U	220	21	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Methyl tert-butyl ether	44	U	44	17	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Methylcyclohexane	44	U	44	21	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Methylene Chloride	44	U	44	8.8	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
m,p-Xylene	89	U	89	25	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
o-Xylene	44	U	44	5.8	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Tetrachloroethene	**180**		44	6.0	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Toluene	44	U	44	12	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
trans-1,2-Dichloroethene	44	U	44	10	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
trans-1,3-Dichloropropene	44	U	44	4.4	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Trichloroethene	44	U	44	12	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Trichlorofluoromethane	44	U	44	21	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Vinyl chloride	44	U	44	15	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Xylenes, Total	89	U	89	25	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
cis-1,3-Dichloropropene	44	U	44	11	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1

Client Sample ID: SB-11-4.5-5.0-050824

Lab Sample ID: 480-219687-3
Date Collected: 05/08/24 12:35
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 85.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	44	U	44	11	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H*	*ug/Kg*	☼		*N/A*	*05/13/24 08:59*	*05/13/24 14:36*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*53 - 146*	*05/13/24 08:59*	*05/13/24 14:36*	*1*
4-Bromofluorobenzene (Surr)	*111*		*49 - 148*	*05/13/24 08:59*	*05/13/24 14:36*	*1*
Toluene-d8 (Surr)	*113*		*50 - 149*	*05/13/24 08:59*	*05/13/24 14:36*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*05/13/24 08:59*	*05/13/24 14:36*	*1*

Client Sample ID: SB-11-9.5-10.0-050824

Lab Sample ID: 480-219687-4
Date Collected: 05/08/24 12:55
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 79.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	110	U	110	30	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,1,2,2-Tetrachloroethane	110	U	110	17	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,1,2-Trichloro-1,2,2-trifluoroethane	110	U	110	54	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,1,2-Trichloroethane	110	U	110	22	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,1-Dichloroethane	110	U	110	33	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,1-Dichloroethene	110	U	110	37	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,2,4-Trichlorobenzene	110	U	110	41	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,2-Dibromo-3-Chloropropane	110	U	110	54	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,2-Dichlorobenzene	110	U	110	27	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,2-Dichloroethane	110	U	110	44	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,2-Dichloropropane	110	U	110	17	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,3-Dichlorobenzene	110	U	110	29	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,4-Dichlorobenzene	110	U	110	15	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
2-Butanone (MEK)	540	U	540	320	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
2-Hexanone	540	U	540	220	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
4-Methyl-2-pentanone (MIBK)	540	U	540	34	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Acetone	540	U	540	440	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Benzene	110	U	110	20	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Bromoform	110	U	110	54	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Bromomethane	110	U	110	24	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Carbon disulfide	110	U	110	49	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Carbon tetrachloride	110	U	110	27	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Chlorobenzene	110	U	110	14	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Dibromochloromethane	110	U	110	52	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Chloroethane	110	U	110	22	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Chloroform	110	U	110	73	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Chloromethane	110	U	110	25	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
cis-1,2-Dichloroethene	**44**	**J**	110	30	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Cyclohexane	110	U	110	24	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Bromodichloromethane	110	U	110	21	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Dichlorodifluoromethane	110	U	110	47	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Ethylbenzene	110	U	110	31	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,2-Dibromoethane	110	U	110	19	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2

Client Sample ID: SB-11-9.5-10.0-050824
Lab Sample ID: 480-219687-4

Date Collected: 05/08/24 12:55
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 79.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	110	U	110	16	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Methyl acetate	540	U	540	51	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Methyl tert-butyl ether	110	U	110	40	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Methylcyclohexane	110	U	110	50	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Methylene Chloride	110	U	110	21	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
m,p-Xylene	210	U	210	59	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
o-Xylene	110	U	110	14	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Tetrachloroethene	**2500**		110	14	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Toluene	110	U	110	29	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
trans-1,2-Dichloroethene	110	U	110	25	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
trans-1,3-Dichloropropene	110	U	110	11	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Trichloroethene	110	U	110	30	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Trichlorofluoromethane	110	U	110	50	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Vinyl chloride	110	U	110	36	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Xylenes, Total	210	U	210	59	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
cis-1,3-Dichloropropene	110	U	110	26	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Styrene	110	U	110	26	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Column bleed	*920*	*T H J*	*ug/Kg*	☼	*9.14*	*N/A*	*05/13/24 08:59*	*05/13/24 14:59*	*2*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*05/13/24 08:59*	*05/13/24 14:59*	*2*
4-Bromofluorobenzene (Surr)	*107*		*49 - 148*	*05/13/24 08:59*	*05/13/24 14:59*	*2*
Toluene-d8 (Surr)	*109*		*50 - 149*	*05/13/24 08:59*	*05/13/24 14:59*	*2*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*05/13/24 08:59*	*05/13/24 14:59*	*2*

Client Sample ID: SB-11-20.5-21-0-050824
Lab Sample ID: 480-219687-5

Date Collected: 05/08/24 13:15
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 65.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.9	U	4.9	0.35	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,1,2,2-Tetrachloroethane	4.9	U	4.9	0.79	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	4.9	1.1	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,1,2-Trichloroethane	4.9	U	4.9	0.63	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,1-Dichloroethane	4.9	U	4.9	0.60	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,1-Dichloroethene	4.9	U	4.9	0.60	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,2,4-Trichlorobenzene	4.9	U	4.9	0.30	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,2-Dibromo-3-Chloropropane	4.9	U	4.9	2.4	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,2-Dibromoethane	4.9	U	4.9	0.63	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,2-Dichlorobenzene	4.9	U	4.9	0.38	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,2-Dichloroethane	4.9	U	4.9	0.24	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,2-Dichloropropane	4.9	U	4.9	2.4	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,3-Dichlorobenzene	4.9	U	4.9	0.25	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,4-Dichlorobenzene	4.9	U	4.9	0.68	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
2-Butanone (MEK)	24	U	24	1.8	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1

Client Sample ID: SB-11-20.5-21-0-050824

Lab Sample ID: 480-219687-5

Date Collected: 05/08/24 13:15
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 65.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	24	U *+	24	4.1	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Benzene	4.9	U	4.9	0.24	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Bromodichloromethane	4.9	U	4.9	0.65	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Bromoform	4.9	U	4.9	2.4	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Bromomethane	4.9	U	4.9	0.44	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Carbon disulfide	4.9	U	4.9	2.4	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Carbon tetrachloride	4.9	U	4.9	0.47	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Chlorobenzene	4.9	U	4.9	0.64	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Chloroethane	4.9	U	4.9	1.1	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Chloroform	4.9	U	4.9	0.30	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Chloromethane	4.9	U	4.9	0.29	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
cis-1,2-Dichloroethene	4.9	U	4.9	0.62	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
cis-1,3-Dichloropropene	4.9	U	4.9	0.70	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Cyclohexane	4.9	U	4.9	0.68	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Dibromochloromethane	4.9	U	4.9	0.62	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Dichlorodifluoromethane	4.9	U	4.9	0.40	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Ethylbenzene	4.9	U	4.9	0.34	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Isopropylbenzene	4.9	U	4.9	0.74	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Methyl acetate	24	U	24	2.9	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Methyl tert-butyl ether	4.9	U	4.9	0.48	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Methylcyclohexane	4.9	U	4.9	0.74	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Methylene Chloride	4.9	U	4.9	2.2	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Styrene	4.9	U	4.9	0.24	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Tetrachloroethene	**6.0**		4.9	0.65	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Toluene	4.9	U	4.9	0.37	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
trans-1,2-Dichloroethene	4.9	U	4.9	0.50	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
trans-1,3-Dichloropropene	4.9	U	4.9	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Trichloroethene	4.9	U	4.9	1.1	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Trichlorofluoromethane	4.9	U	4.9	0.46	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Vinyl chloride	4.9	U	4.9	0.60	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Xylenes, Total	9.8	U	9.8	0.82	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
m,p-Xylene	9.8	U	9.8	0.82	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
o-Xylene	4.9	U	4.9	0.64	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*05/09/24 13:00*	*05/11/24 11:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*	*05/09/24 13:00*	*05/11/24 11:17*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 126*	*05/09/24 13:00*	*05/11/24 11:17*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*05/09/24 13:00*	*05/11/24 11:17*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*05/09/24 13:00*	*05/11/24 11:17*	*1*

Client Sample ID: SB-11-44.5-45.0-050824

Lab Sample ID: 480-219687-6

Date Collected: 05/08/24 15:05
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 64.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.3	U F1	5.3	0.38	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1

Client Sample ID: SB-11-44.5-45.0-050824

Lab Sample ID: 480-219687-6

Date Collected: 05/08/24 15:05
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 64.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	5.3	U *3 F1 F2	5.3	0.85	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U F1	5.3	1.2	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,1,2-Trichloroethane	5.3	U F1	5.3	0.68	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,1-Dichloroethane	5.3	U F1	5.3	0.64	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,1-Dichloroethene	5.3	U F1	5.3	0.64	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,2,4-Trichlorobenzene	5.3	U *3 F1	5.3	0.32	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,2-Dibromo-3-Chloropropane	5.3	U *3 F1 F2	5.3	2.6	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,2-Dibromoethane	5.3	U F1 F2	5.3	0.68	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,2-Dichlorobenzene	5.3	U *3 F1 F2	5.3	0.41	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,2-Dichloroethane	5.3	U F1	5.3	0.26	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,2-Dichloropropane	5.3	U F1	5.3	2.6	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,3-Dichlorobenzene	5.3	U *3 F1 F2	5.3	0.27	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,4-Dichlorobenzene	5.3	U *3 F1 F2	5.3	0.74	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
2-Butanone (MEK)	26	U F1 F2	26	1.9	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
2-Hexanone	26	U F1 F2	26	2.6	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
4-Methyl-2-pentanone (MIBK)	26	U F1	26	1.7	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Acetone	**5.1**	**J *+ F1 F2**	26	4.4	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Benzene	5.3	U F1	5.3	0.26	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Bromodichloromethane	5.3	U F1	5.3	0.71	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Bromoform	5.3	U F1 F2	5.3	2.6	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Bromomethane	5.3	U	5.3	0.47	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Carbon disulfide	5.3	U F1	5.3	2.6	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Carbon tetrachloride	5.3	U F1	5.3	0.51	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Chlorobenzene	5.3	U F1	5.3	0.70	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Chloroethane	5.3	U F1	5.3	1.2	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Chloroform	5.3	U F1	5.3	0.33	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Chloromethane	5.3	U	5.3	0.32	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
cis-1,2-Dichloroethene	5.3	U F1	5.3	0.67	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
cis-1,3-Dichloropropene	5.3	U F1	5.3	0.76	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Cyclohexane	5.3	U F1	5.3	0.74	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Dibromochloromethane	5.3	U F1 F2	5.3	0.67	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Dichlorodifluoromethane	5.3	U F1	5.3	0.44	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Ethylbenzene	5.3	U F1	5.3	0.36	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Isopropylbenzene	5.3	U *3 F1 F2	5.3	0.79	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Methyl acetate	26	U F1 F2	26	3.2	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Methyl tert-butyl ether	5.3	U	5.3	0.52	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Methylcyclohexane	5.3	U F1	5.3	0.80	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Methylene Chloride	5.3	U	5.3	2.4	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Styrene	5.3	U F1	5.3	0.26	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Tetrachloroethene	5.3	U F1	5.3	0.71	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Toluene	5.3	U F1	5.3	0.40	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
trans-1,2-Dichloroethene	5.3	U F1	5.3	0.54	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
trans-1,3-Dichloropropene	5.3	U F1 F2	5.3	2.3	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Trichloroethene	5.3	U F1	5.3	1.2	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Trichlorofluoromethane	5.3	U F1	5.3	0.50	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Vinyl chloride	5.3	U F1	5.3	0.64	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Xylenes, Total	11	U F1	11	0.89	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
m,p-Xylene	11	U F1	11	0.89	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
o-Xylene	5.3	U F1	5.3	0.69	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1

Client Sample ID: SB-11-44.5-45.0-050824

Date Collected: 05/08/24 15:05
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-6

Matrix: Solid
Percent Solids: 64.3

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
column bleed	19	T J	ug/Kg	☼	9.59	N/A	05/09/24 13:00	05/11/24 11:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126	05/09/24 13:00	05/11/24 11:42	1
4-Bromofluorobenzene (Surr)	82		72 - 126	05/09/24 13:00	05/11/24 11:42	1
Dibromofluoromethane (Surr)	104		60 - 140	05/09/24 13:00	05/11/24 11:42	1
Toluene-d8 (Surr)	98		71 - 125	05/09/24 13:00	05/11/24 11:42	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	150	U	150	85	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2,4,5-Trichlorophenol	260	U	260	71	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2,4,6-Trichlorophenol	260	U	260	53	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2,4-Dichlorophenol	260	U	260	28	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2,4-Dimethylphenol	260	U	260	63	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2,4-Dinitrophenol	2600	U	2600	1200	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2,4-Dinitrotoluene	260	U	260	54	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2,6-Dinitrotoluene	260	U	260	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2-Chloronaphthalene	260	U	260	43	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2-Chlorophenol	510	U	510	48	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2-Methylnaphthalene	260	U	260	53	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2-Methylphenol	260	U	260	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2-Nitroaniline	510	U	510	39	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2-Nitrophenol	260	U	260	74	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
3,3'-Dichlorobenzidine	510	U	510	310	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
3-Nitroaniline	510	U	510	73	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
4,6-Dinitro-2-methylphenol	510	U	510	260	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
4-Bromophenyl phenyl ether	260	U	260	37	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
4-Chloro-3-methylphenol	260	U	260	65	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
4-Chloroaniline	260	U	260	65	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
4-Chlorophenyl phenyl ether	260	U	260	33	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
4-Methylphenol	510	U	510	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
4-Nitroaniline	510	U	510	140	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
4-Nitrophenol	510	U	510	180	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Acenaphthene	260	U	260	39	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Acenaphthylene	260	U	260	34	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Acetophenone	260	U	260	36	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Anthracene	260	U	260	65	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Atrazine	260	U	260	91	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Benzaldehyde	260	U	260	210	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Benzo[a]anthracene	260	U	260	26	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Benzo[a]pyrene	260	U	260	39	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Benzo[b]fluoranthene	260	U	260	42	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Benzo[g,h,i]perylene	260	U	260	28	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Benzo[k]fluoranthene	260	U	260	34	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Biphenyl	260	U	260	39	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
bis (2-chloroisopropyl) ether	260	U	260	53	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Bis(2-chloroethoxy)methane	260	U	260	56	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Bis(2-chloroethyl)ether	260	U	260	34	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Bis(2-ethylhexyl) phthalate	260	U	260	90	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1

Client Sample ID: SB-11-44.5-45.0-050824

Lab Sample ID: 480-219687-6

Date Collected: 05/08/24 15:05
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 64.3

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	260	U	260	43	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Caprolactam	260	U	260	79	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Carbazole	260	U	260	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Chrysene	260	U	260	59	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Dibenz(a,h)anthracene	260	U	260	46	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Dibenzofuran	260	U	260	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Diethyl phthalate	260	U	260	34	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Dimethyl phthalate	260	U	260	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Di-n-butyl phthalate	260	U	260	45	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Di-n-octyl phthalate	260	U	260	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Fluoranthene	260	U	260	28	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Fluorene	260	U	260	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Hexachlorobenzene	260	U	260	36	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Hexachlorobutadiene	260	U	260	39	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Hexachlorocyclopentadiene	260	U	260	36	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Hexachloroethane	260	U	260	34	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Indeno[1,2,3-cd]pyrene	260	U	260	33	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Isophorone	260	U	260	56	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Naphthalene	260	U	260	34	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Nitrobenzene	260	U	260	29	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
N-Nitrosodi-n-propylamine	260	U	260	45	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
N-Nitrosodiphenylamine	260	U	260	210	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Pentachlorophenol	510	U	510	260	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Phenanthrene	260	U	260	39	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Phenol	260	U	260	40	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Pyrene	260	U	260	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, 2,5-dimethyl-	*750*	*T J N*	*ug/Kg*	☼	*1.76*	*625-86-5*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
Unknown	*920*	*T J*	*ug/Kg*	☼	*2.06*	*N/A*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
Unknown	*5300*	*T J*	*ug/Kg*	☼	*3.60*	*N/A*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*3.86*	*N/A*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
Heptane, 3,4-dimethyl-	*230*	*T J N*	*ug/Kg*	☼	*3.89*	*922-28-1*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
Octane, 4-methyl-	*230*	*T J N*	*ug/Kg*	☼	*3.96*	*2216-34-4*	*05/09/24 16:25*	*05/10/24 20:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*26 - 143*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
2-Fluorobiphenyl	*95*		*50 - 121*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
2-Fluorophenol	*79*		*36 - 120*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
Nitrobenzene-d5	*87*		*40 - 121*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
Phenol-d5	*78*		*41 - 120*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
p-Terphenyl-d14	*105*		*46 - 143*	*05/09/24 16:25*	*05/10/24 20:45*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.6	U	2.6	0.50	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
4,4'-DDE	2.6	U	2.6	0.54	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
4,4'-DDT	2.6	U	2.6	0.60	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Aldrin	2.6	U	2.6	0.63	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
alpha-BHC	2.6	U	2.6	0.46	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1

Client Sample ID: SB-11-44.5-45.0-050824

Lab Sample ID: 480-219687-6

Date Collected: 05/08/24 15:05
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 64.3

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	2.6	U	2.6	0.46	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
cis-Chlordane	2.6	U	2.6	1.3	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
delta-BHC	2.6	U	2.6	0.48	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Dieldrin	2.6	U F2	2.6	0.62	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Endosulfan I	2.6	U	2.6	0.50	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Endosulfan II	2.6	U	2.6	0.46	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Endosulfan sulfate	2.6	U	2.6	0.48	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Endrin	2.6	U	2.6	0.51	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Endrin aldehyde	2.6	U	2.6	0.66	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Endrin ketone	2.6	U	2.6	0.63	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
gamma-BHC (Lindane)	2.6	U	2.6	0.47	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Heptachlor	2.6	U	2.6	0.56	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Heptachlor epoxide	2.6	U	2.6	0.67	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Methoxychlor	2.6	U	2.6	0.53	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Toxaphene	26	U	26	15	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
trans-Chlordane	2.6	U	2.6	0.82	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*45 - 120*	*05/10/24 08:08*	*05/13/24 12:01*	*1*
DCB Decachlorobiphenyl	*105*		*45 - 120*	*05/10/24 08:08*	*05/13/24 12:01*	*1*
Tetrachloro-m-xylene	*74*		*30 - 124*	*05/10/24 08:08*	*05/13/24 12:01*	*1*
Tetrachloro-m-xylene	*76*		*30 - 124*	*05/10/24 08:08*	*05/13/24 12:01*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.30	U	0.30	0.059	mg/Kg	☼	05/09/24 16:28	05/14/24 00:12	1
PCB-1221	0.30	U	0.30	0.059	mg/Kg	☼	05/09/24 16:28	05/14/24 00:12	1
PCB-1232	0.30	U	0.30	0.059	mg/Kg	☼	05/09/24 16:28	05/14/24 00:12	1
PCB-1242	0.30	U	0.30	0.059	mg/Kg	☼	05/09/24 16:28	05/14/24 00:12	1
PCB-1248	0.30	U	0.30	0.059	mg/Kg	☼	05/09/24 16:28	05/14/24 00:12	1
PCB-1254	0.30	U	0.30	0.14	mg/Kg	☼	05/09/24 16:28	05/14/24 00:12	1
PCB-1260	0.30	U	0.30	0.14	mg/Kg	☼	05/09/24 16:28	05/14/24 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*118*		*65 - 174*	*05/09/24 16:28*	*05/14/24 00:12*	*1*
DCB Decachlorobiphenyl	*123*		*65 - 174*	*05/09/24 16:28*	*05/14/24 00:12*	*1*
Tetrachloro-m-xylene	*111*		*60 - 154*	*05/09/24 16:28*	*05/14/24 00:12*	*1*
Tetrachloro-m-xylene	*105*		*60 - 154*	*05/09/24 16:28*	*05/14/24 00:12*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1.2	U	1.2	0.054	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluoropentanoic acid (PFPeA)	0.59	U	0.59	0.031	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorohexanoic acid (PFHxA)	0.29	U	0.29	0.031	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluoroheptanoic acid (PFHpA)	0.29	U	0.29	0.032	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorooctanoic acid (PFOA)	0.29	U	0.29	0.062	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorononanoic acid (PFNA)	0.29	U	0.29	0.018	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorodecanoic acid (PFDA)	0.29	U	0.29	0.11	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluoroundecanoic acid (PFUnA)	0.29	U	0.29	0.041	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorododecanoic acid (PFDoA)	0.29	U	0.29	0.082	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1

Client Sample ID: SB-11-44.5-45.0-050824

Lab Sample ID: 480-219687-6

Date Collected: 05/08/24 15:05
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 64.3

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotridecanoic acid (PFTriA)	0.29	U	0.29	0.041	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorotetradecanoic acid (PFTeDA)	0.29	U	0.29	0.025	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorobutanesulfonic acid (PFBS)	0.29	U	0.29	0.021	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluoropentanesulfonic acid (PFPeS)	0.29	U	0.29	0.019	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorohexanesulfonic acid (PFHxS)	0.29	U	0.29	0.029	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluoroheptanesulfonic acid (PFHpS)	0.29	U	0.29	0.041	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorooctanesulfonic acid (PFOS)	0.29	U	0.29	0.082	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorononanesulfonic acid (PFNS)	0.29	U	0.29	0.041	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorodecanesulfonic acid (PFDS)	0.29	U	0.29	0.029	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorododecanesulfonic acid (PFDoS)	0.29	U	0.29	0.025	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
4:2 FTS	1.2	U	1.2	0.11	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
6:2 FTS	1.2	U	1.2	0.71	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
8:2 FTS	1.2	U	1.2	0.17	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorooctanesulfonamide (PFOSA)	0.29	U	0.29	0.018	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
NMeFOSA	0.29	U	0.29	0.035	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
NEtFOSA	0.29	U	0.29	0.046	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
NMeFOSAA	0.29	U	0.29	0.037	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
NEtFOSAA	0.29	U	0.29	0.035	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
NMeFOSE	2.9	U	2.9	0.15	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
NEtFOSE	2.9	U	2.9	0.16	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
HFPO-DA (GenX)	1.2	U	1.2	0.14	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.2	U	1.2	0.12	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
PFMBA	0.59	U	0.59	0.028	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
NFDHA	0.59	U	0.59	0.070	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
PFMPA	0.59	U	0.59	0.13	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
9Cl-PF3ONS	1.2	U	1.2	0.075	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
11Cl-PF3OUdS	1.2	U	1.2	0.18	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
PFEESA	0.59	U	0.59	0.059	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
3:3 FTCA	1.5	U	1.5	0.26	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
5:3 FTCA	7.3	U	7.3	0.54	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
7:3 FTCA	7.3	U	7.3	0.45	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*68*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C5 PFPeA	*68*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C5 PFHxA	*71*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C4 PFHpA	*67*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C8 PFOA	*71*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C9 PFNA	*70*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C6 PFDA	*70*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C7 PFUnA	*68*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C2 PFDoA	*53*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C2 PFTeDA	*55*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C3 PFBS	*77*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C3 PFHxS	*79*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C8 PFOS	*72*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C8 FOSA	*58*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*

Client Sample ID: SB-11-44.5-45.0-050824

Date Collected: 05/08/24 15:05
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-6

Matrix: Solid
Percent Solids: 64.3

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d3-NMeFOSAA	*72*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
d5-NEtFOSAA	*72*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
M2-4:2 FTS	*93*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
M2-6:2 FTS	*91*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
M2-8:2 FTS	*92*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C3 HFPO-DA	*64*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
d7-N-MeFOSE-M	*42*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
d9-N-EtFOSE-M	*42*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
d5-NEtPFOSA	*42*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
d3-NMePFOSA	*43*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**26900**		15.6	6.9	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Antimony	23.4	U F1	23.4	0.62	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Arsenic	**5.1**		3.1	0.62	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Barium	**213**		0.78	0.17	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Beryllium	**1.4**		0.31	0.044	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Cadmium	**0.21**	**J B**	0.31	0.047	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Calcium	**32200**	**B F1**	78.1	5.2	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Chromium	**27.3**		0.78	0.31	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Cobalt	**17.4**		0.78	0.078	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Copper	**25.6**		1.6	0.33	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Iron	**26700**		15.6	5.5	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Lead	**13.0**		1.6	0.37	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Magnesium	**11600**	**F1**	31.2	1.4	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Manganese	**630**	**B F1**	0.31	0.050	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Nickel	**34.9**		7.8	0.36	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Potassium	**6490**		46.9	31.2	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Selenium	6.2	U	6.2	0.62	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Silver	**0.31**	**J**	0.94	0.31	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Sodium	**578**	**F1**	219	20.3	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Thallium	9.4	U	9.4	0.47	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Vanadium	**44.5**		0.78	0.17	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Zinc	**77.3**	**F1**	3.1	1.0	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.028**	**J**	0.031	0.0071	mg/Kg	☼	05/10/24 09:21	05/10/24 12:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	1.5	U F1	1.5	0.72	mg/Kg	☼	05/14/24 13:15	05/14/24 15:48	1

Client Sample ID: DUP-01-050824

Date Collected: 05/08/24 00:00
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-7

Matrix: Solid
Percent Solids: 75.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1	U	4.1	0.30	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1

Client Sample ID: DUP-01-050824
Lab Sample ID: 480-219687-7

Date Collected: 05/08/24 00:00
Matrix: Solid

Date Received: 05/09/24 10:00
Percent Solids: 75.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	4.1	U	4.1	0.67	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U	4.1	0.94	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,1,2-Trichloroethane	4.1	U	4.1	0.54	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,1-Dichloroethane	4.1	U	4.1	0.51	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,1-Dichloroethene	4.1	U	4.1	0.51	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,2,4-Trichlorobenzene	4.1	U	4.1	0.25	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,2-Dibromo-3-Chloropropane	4.1	U	4.1	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,2-Dibromoethane	4.1	U	4.1	0.53	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,2-Dichlorobenzene	4.1	U	4.1	0.32	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,2-Dichloroethane	4.1	U	4.1	0.21	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,2-Dichloropropane	4.1	U	4.1	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,3-Dichlorobenzene	4.1	U	4.1	0.21	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,4-Dichlorobenzene	4.1	U	4.1	0.58	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
2-Butanone (MEK)	21	U	21	1.5	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Acetone	21	U *+	21	3.5	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Benzene	4.1	U	4.1	0.20	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Bromodichloromethane	4.1	U	4.1	0.55	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Bromoform	4.1	U	4.1	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Bromomethane	4.1	U	4.1	0.37	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Carbon disulfide	4.1	U	4.1	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Carbon tetrachloride	4.1	U	4.1	0.40	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Chlorobenzene	4.1	U	4.1	0.55	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Chloroethane	4.1	U	4.1	0.94	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Chloroform	4.1	U	4.1	0.26	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Chloromethane	4.1	U	4.1	0.25	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
cis-1,2-Dichloroethene	4.1	U	4.1	0.53	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
cis-1,3-Dichloropropene	4.1	U	4.1	0.60	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Cyclohexane	4.1	U	4.1	0.58	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Dibromochloromethane	4.1	U	4.1	0.53	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Dichlorodifluoromethane	4.1	U	4.1	0.34	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Ethylbenzene	4.1	U	4.1	0.29	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Isopropylbenzene	4.1	U	4.1	0.62	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Methyl acetate	21	U	21	2.5	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Methyl tert-butyl ether	4.1	U	4.1	0.41	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Methylcyclohexane	4.1	U	4.1	0.63	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Methylene Chloride	4.1	U	4.1	1.9	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Styrene	4.1	U	4.1	0.21	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Tetrachloroethene	4.1	U	4.1	0.56	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Toluene	4.1	U	4.1	0.31	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
trans-1,2-Dichloroethene	4.1	U	4.1	0.43	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
trans-1,3-Dichloropropene	4.1	U	4.1	1.8	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Trichloroethene	4.1	U	4.1	0.91	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Trichlorofluoromethane	4.1	U	4.1	0.39	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Vinyl chloride	4.1	U	4.1	0.51	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Xylenes, Total	8.3	U	8.3	0.70	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
m,p-Xylene	8.3	U	8.3	0.70	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
o-Xylene	4.1	U	4.1	0.54	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1

Client Sample ID: DUP-01-050824
Date Collected: 05/08/24 00:00
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-7
Matrix: Solid
Percent Solids: 75.2

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	05/09/24 13:00	05/11/24 12:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		64 - 126	05/09/24 13:00	05/11/24 12:05	1
4-Bromofluorobenzene (Surr)	93		72 - 126	05/09/24 13:00	05/11/24 12:05	1
Dibromofluoromethane (Surr)	102		60 - 140	05/09/24 13:00	05/11/24 12:05	1
Toluene-d8 (Surr)	94		71 - 125	05/09/24 13:00	05/11/24 12:05	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	130	U	130	72	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2,4,5-Trichlorophenol	220	U	220	60	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2,4,6-Trichlorophenol	220	U	220	44	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2,4-Dichlorophenol	220	U	220	23	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2,4-Dimethylphenol	220	U	220	53	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2,4-Dinitrophenol	2200	U	2200	1000	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2,4-Dinitrotoluene	220	U	220	46	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2,6-Dinitrotoluene	220	U	220	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2-Chloronaphthalene	220	U	220	36	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2-Chlorophenol	430	U	430	40	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2-Methylnaphthalene	220	U	220	44	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2-Methylphenol	220	U	220	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2-Nitroaniline	430	U	430	33	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2-Nitrophenol	220	U	220	62	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
3,3'-Dichlorobenzidine	430	U	430	260	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
3-Nitroaniline	430	U	430	61	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
4,6-Dinitro-2-methylphenol	430	U	430	220	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
4-Bromophenyl phenyl ether	220	U	220	31	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
4-Chloro-3-methylphenol	220	U	220	55	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
4-Chloroaniline	220	U	220	55	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
4-Chlorophenyl phenyl ether	220	U	220	27	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
4-Methylphenol	430	U	430	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
4-Nitroaniline	430	U	430	120	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
4-Nitrophenol	430	U	430	150	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Acenaphthene	220	U	220	33	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Acenaphthylene	220	U	220	29	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Acetophenone	220	U	220	30	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Anthracene	220	U	220	55	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Atrazine	220	U	220	77	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Benzaldehyde	220	U	220	180	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Benzo[a]anthracene	220	U	220	22	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Benzo[a]pyrene	220	U	220	33	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Benzo[b]fluoranthene	220	U	220	35	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Benzo[g,h,i]perylene	220	U	220	23	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Benzo[k]fluoranthene	220	U	220	29	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Biphenyl	220	U	220	33	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
bis (2-chloroisopropyl) ether	220	U	220	44	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Bis(2-chloroethoxy)methane	220	U	220	47	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Bis(2-chloroethyl)ether	220	U	220	29	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Bis(2-ethylhexyl) phthalate	220	U	220	75	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1

Client Sample ID: DUP-01-050824
Lab Sample ID: 480-219687-7

Date Collected: 05/08/24 00:00
Matrix: Solid

Date Received: 05/09/24 10:00
Percent Solids: 75.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	220	U	220	36	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Caprolactam	220	U	220	66	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Carbazole	220	U	220	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Chrysene	220	U	220	49	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Dibenz(a,h)anthracene	220	U	220	39	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Dibenzofuran	220	U	220	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Diethyl phthalate	220	U	220	29	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Dimethyl phthalate	220	U	220	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Di-n-butyl phthalate	220	U	220	38	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Di-n-octyl phthalate	220	U	220	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Fluoranthene	220	U	220	23	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Fluorene	220	U	220	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Hexachlorobenzene	220	U	220	30	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Hexachlorobutadiene	220	U	220	33	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Hexachlorocyclopentadiene	220	U	220	30	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Hexachloroethane	220	U	220	29	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Indeno[1,2,3-cd]pyrene	220	U	220	27	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Isophorone	220	U	220	47	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Naphthalene	220	U	220	29	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Nitrobenzene	220	U	220	25	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
N-Nitrosodi-n-propylamine	220	U	220	38	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
N-Nitrosodiphenylamine	220	U	220	180	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Pentachlorophenol	430	U	430	220	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Phenanthrene	220	U	220	33	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Phenol	220	U	220	34	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Pyrene	220	U	220	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, 2,5-dimethyl-	*480*	*T J N*	*ug/Kg*	☼	*1.75*	*625-86-5*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
Unknown	*860*	*T J*	*ug/Kg*	☼	*2.06*	*N/A*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
Methylene Chloride	*500*	*T J N*	*ug/Kg*	☼	*2.13*	*75-09-2*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
Unknown	*3700*	*T J*	*ug/Kg*	☼	*3.60*	*N/A*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*3.85*	*N/A*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
Ethanethioic acid, S-[8-(diethylphosphono)octyl] ester	*320*	*T J N*	*ug/Kg*	☼	*5.42*	*129065-11-8*	*05/09/24 16:25*	*05/13/24 12:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*26 - 143*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
2-Fluorobiphenyl	*81*		*50 - 121*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
2-Fluorophenol	*66*		*36 - 120*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
Nitrobenzene-d5	*72*		*40 - 121*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
Phenol-d5	*69*		*41 - 120*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
p-Terphenyl-d14	*87*		*46 - 143*	*05/09/24 16:25*	*05/13/24 12:06*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.2	U	2.2	0.42	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
4,4'-DDE	2.2	U	2.2	0.46	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
4,4'-DDT	2.2	U	2.2	0.51	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Aldrin	2.2	U	2.2	0.54	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1

Client Sample ID: DUP-01-050824
Date Collected: 05/08/24 00:00
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-7
Matrix: Solid
Percent Solids: 75.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	2.2	U	2.2	0.39	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
beta-BHC	2.2	U	2.2	0.39	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
cis-Chlordane	2.2	U	2.2	1.1	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
delta-BHC	2.2	U	2.2	0.40	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Dieldrin	2.2	U	2.2	0.52	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Endosulfan I	2.2	U	2.2	0.42	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Endosulfan II	2.2	U	2.2	0.39	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Endosulfan sulfate	2.2	U	2.2	0.41	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Endrin	2.2	U	2.2	0.43	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Endrin aldehyde	2.2	U	2.2	0.56	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Endrin ketone	2.2	U	2.2	0.54	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
gamma-BHC (Lindane)	2.2	U	2.2	0.40	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Heptachlor	2.2	U	2.2	0.47	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Heptachlor epoxide	2.2	U	2.2	0.56	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Methoxychlor	2.2	U	2.2	0.44	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Toxaphene	22	U	22	13	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
trans-Chlordane	2.2	U	2.2	0.69	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*45 - 120*	*05/10/24 08:08*	*05/13/24 12:41*	*1*
DCB Decachlorobiphenyl	*99*		*45 - 120*	*05/10/24 08:08*	*05/13/24 12:41*	*1*
Tetrachloro-m-xylene	*74*		*30 - 124*	*05/10/24 08:08*	*05/13/24 12:41*	*1*
Tetrachloro-m-xylene	*71*		*30 - 124*	*05/10/24 08:08*	*05/13/24 12:41*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.28	U	0.28	0.055	mg/Kg	☼	05/09/24 16:28	05/14/24 00:47	1
PCB-1221	0.28	U	0.28	0.055	mg/Kg	☼	05/09/24 16:28	05/14/24 00:47	1
PCB-1232	0.28	U	0.28	0.055	mg/Kg	☼	05/09/24 16:28	05/14/24 00:47	1
PCB-1242	0.28	U	0.28	0.055	mg/Kg	☼	05/09/24 16:28	05/14/24 00:47	1
PCB-1248	0.28	U	0.28	0.055	mg/Kg	☼	05/09/24 16:28	05/14/24 00:47	1
PCB-1254	0.28	U	0.28	0.13	mg/Kg	☼	05/09/24 16:28	05/14/24 00:47	1
PCB-1260	0.28	U	0.28	0.13	mg/Kg	☼	05/09/24 16:28	05/14/24 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*121*		*65 - 174*	*05/09/24 16:28*	*05/14/24 00:47*	*1*
DCB Decachlorobiphenyl	*118*		*65 - 174*	*05/09/24 16:28*	*05/14/24 00:47*	*1*
Tetrachloro-m-xylene	*110*		*60 - 154*	*05/09/24 16:28*	*05/14/24 00:47*	*1*
Tetrachloro-m-xylene	*103*		*60 - 154*	*05/09/24 16:28*	*05/14/24 00:47*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.98	U	0.98	0.046	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluoropentanoic acid (PFPeA)	0.49	U	0.49	0.026	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorohexanoic acid (PFHxA)	0.25	U	0.25	0.026	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluoroheptanoic acid (PFHpA)	0.25	U	0.25	0.027	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorooctanoic acid (PFOA)	0.25	U	0.25	0.052	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorononanoic acid (PFNA)	0.25	U	0.25	0.015	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorodecanoic acid (PFDA)	0.25	U	0.25	0.092	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluoroundecanoic acid (PFUnA)	0.25	U	0.25	0.034	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1

Client Sample ID: DUP-01-050824
Lab Sample ID: 480-219687-7
Date Collected: 05/08/24 00:00
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 75.2

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	0.25	U	0.25	0.069	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorotridecanoic acid (PFTriA)	0.25	U	0.25	0.034	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorotetradecanoic acid (PFTeDA)	0.25	U	0.25	0.021	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorobutanesulfonic acid (PFBS)	0.25	U	0.25	0.017	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluoropentanesulfonic acid (PFPeS)	0.25	U	0.25	0.016	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorohexanesulfonic acid (PFHxS)	0.25	U	0.25	0.025	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluoroheptanesulfonic acid (PFHpS)	0.25	U	0.25	0.034	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorooctanesulfonic acid (PFOS)	**0.19**	**J**	0.25	0.069	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorononanesulfonic acid (PFNS)	0.25	U	0.25	0.034	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorodecanesulfonic acid (PFDS)	0.25	U	0.25	0.025	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorododecanesulfonic acid (PFDoS)	0.25	U	0.25	0.021	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
4:2 FTS	0.98	U	0.98	0.095	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
6:2 FTS	0.98	U	0.98	0.60	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
8:2 FTS	0.98	U	0.98	0.14	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorooctanesulfonamide (PFOSA)	0.25	U	0.25	0.015	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
NMeFOSA	0.25	U	0.25	0.030	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
NEtFOSA	0.25	U	0.25	0.038	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
NMeFOSAA	0.25	U	0.25	0.031	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
NEtFOSAA	0.25	U	0.25	0.030	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
NMeFOSE	2.5	U	2.5	0.12	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
NEtFOSE	2.5	U	2.5	0.14	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
HFPO-DA (GenX)	0.98	U	0.98	0.12	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.98	U	0.98	0.10	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
PFMBA	0.49	U	0.49	0.023	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
NFDHA	0.49	U	0.49	0.059	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
PFMPA	0.49	U	0.49	0.11	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
9Cl-PF3ONS	0.98	U	0.98	0.063	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
11Cl-PF3OUdS	0.98	U	0.98	0.15	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
PFEESA	0.49	U	0.49	0.049	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
3:3 FTCA	1.2	U	1.2	0.22	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
5:3 FTCA	6.2	U	6.2	0.45	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
7:3 FTCA	6.2	U	6.2	0.38	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*39*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C5 PFPeA	*85*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C5 PFHxA	*84*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C4 PFHpA	*85*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C8 PFOA	*89*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C9 PFNA	*82*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C6 PFDA	*89*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C7 PFUnA	*76*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C2 PFDoA	*58*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C2 PFTeDA	*63*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C3 PFBS	*89*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C3 PFHxS	*88*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*

Client Sample ID: DUP-01-050824
Lab Sample ID: 480-219687-7

Date Collected: 05/08/24 00:00
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 75.2

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 PFOS	*78*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C8 FOSA	*71*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
d3-NMeFOSAA	*81*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
d5-NEtFOSAA	*75*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
M2-4:2 FTS	*101*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
M2-6:2 FTS	*98*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
M2-8:2 FTS	*99*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C3 HFPO-DA	*85*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
d7-N-MeFOSE-M	*46*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
d9-N-EtFOSE-M	*45*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
d5-NEtPFOSA	*45*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
d3-NMePFOSA	*47*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4010**		13.2	5.8	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Antimony	19.8	U	19.8	0.53	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Arsenic	**1.2**	**J**	2.6	0.53	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Barium	**15.0**		0.66	0.15	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Beryllium	**0.20**	**J**	0.26	0.037	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Cadmium	**0.13**	**J B**	0.26	0.040	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Calcium	**16600**	**B**	65.9	4.4	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Chromium	**5.0**		0.66	0.26	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Cobalt	**2.7**		0.66	0.066	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Copper	**6.3**		1.3	0.28	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Iron	**6820**		13.2	4.6	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Lead	**2.1**		1.3	0.32	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Magnesium	**4180**		26.4	1.2	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Manganese	**172**	**B**	0.26	0.042	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Nickel	**6.2**	**J**	6.6	0.30	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Potassium	**1060**		39.6	26.4	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Selenium	5.3	U	5.3	0.53	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Silver	0.79	U	0.79	0.26	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Sodium	**160**	**J**	185	17.1	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Thallium	7.9	U	7.9	0.40	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Vanadium	**8.2**		0.66	0.15	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Zinc	**17.6**		2.6	0.84	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026	U	0.026	0.0061	mg/Kg	☼	05/10/24 09:21	05/10/24 12:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	1.3	U	1.3	0.63	mg/Kg	☼	05/21/24 13:50	05/21/24 16:49	1

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: M14549.D

Lab ID: LCS 480-711075/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	50.0	47.4	95	77-121	
1,1,2,2-Tetrachloroethane	50.0	47.0	94	80-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.1	102	60-140	
1,1,2-Trichloroethane	50.0	47.2	94	78-122	
1,1-Dichloroethane	50.0	53.2	106	73-126	
1,1-Dichloroethene	50.0	50.9	102	59-125	
1,2,4-Trichlorobenzene	50.0	46.4	93	64-120	
1,2-Dibromo-3-Chloropropane	50.0	37.8	76	63-124	
1,2-Dichlorobenzene	50.0	45.0	90	75-120	
1,2-Dichloroethane	50.0	54.0	108	77-122	
1,2-Dichloropropane	50.0	54.0	108	75-124	
1,3-Dichlorobenzene	50.0	44.8	90	74-120	
1,4-Dichlorobenzene	50.0	44.6	89	73-120	
2-Butanone (MEK)	250	323	129	70-134	
2-Hexanone	250	263	105	59-130	
4-Methyl-2-pentanone (MIBK)	250	268	107	65-133	
Acetone	250	368	147	61-137	*+
Benzene	50.0	52.0	104	79-127	
Bromoform	50.0	38.1	76	68-126	
Bromomethane	50.0	47.8	96	37-149	
Carbon disulfide	50.0	51.2	102	64-131	
Carbon tetrachloride	50.0	42.1	84	75-135	
Chlorobenzene	50.0	46.2	92	76-124	
Chloroethane	50.0	54.2	108	69-135	
Chloroform	50.0	51.1	102	80-120	
Chloromethane	50.0	49.8	100	63-127	
cis-1,2-Dichloroethene	50.0	50.3	101	81-120	
Bromodichloromethane	50.0	49.4	99	80-122	
Cyclohexane	50.0	52.9	106	65-120	
Dibromochloromethane	50.0	41.3	83	76-125	
1,2-Dibromoethane	50.0	43.7	87	78-120	
Dichlorodifluoromethane	50.0	42.9	86	57-142	
Ethylbenzene	50.0	47.1	94	80-120	
Isopropylbenzene	50.0	47.6	95	72-120	
Methyl acetate	100	115	115	55-136	
Methyl tert-butyl ether	50.0	51.8	104	63-125	
Methylcyclohexane	50.0	52.7	105	60-140	
Methylene Chloride	50.0	53.1	106	61-127	
Tetrachloroethene	50.0	46.3	93	74-122	
Toluene	50.0	46.5	93	74-128	
trans-1,2-Dichloroethene	50.0	51.0	102	78-126	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: M14600.D

Lab ID: LCS 480-711626/1-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	50.0	47.8	96	77-121	
1,1,2,2-Tetrachloroethane	50.0	56.7	113	80-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.4	97	60-140	
1,1,2-Trichloroethane	50.0	54.1	108	78-122	
1,1-Dichloroethane	50.0	52.5	105	73-126	
1,1-Dichloroethene	50.0	49.6	99	59-125	
1,2,4-Trichlorobenzene	50.0	53.0	106	64-120	
1,2-Dibromo-3-Chloropropane	50.0	45.9	92	63-124	
1,2-Dichlorobenzene	50.0	52.7	105	75-120	
1,2-Dichloroethane	50.0	54.9	110	77-122	
1,2-Dichloropropane	50.0	54.1	108	75-124	
1,3-Dichlorobenzene	50.0	51.9	104	74-120	
1,4-Dichlorobenzene	50.0	51.1	102	73-120	
2-Butanone (MEK)	250	326	131	70-134	
2-Hexanone	250	297	119	59-130	
4-Methyl-2-pentanone (MIBK)	250	309	123	65-133	
Acetone	250	357	143	61-137	*+
Benzene	50.0	52.0	104	79-127	
Bromoform	50.0	43.3	87	68-126	
Bromomethane	50.0	43.8	88	37-149	
Carbon disulfide	50.0	50.9	102	64-131	
Carbon tetrachloride	50.0	41.4	83	75-135	
Chlorobenzene	50.0	51.5	103	76-124	
Chloroethane	50.0	46.8	94	69-135	
Chloroform	50.0	51.6	103	80-120	
Chloromethane	50.0	41.8	84	63-127	
cis-1,2-Dichloroethene	50.0	51.6	103	81-120	
Bromodichloromethane	50.0	50.4	101	80-122	
Cyclohexane	50.0	52.4	105	65-120	
Dibromochloromethane	50.0	46.5	93	76-125	
1,2-Dibromoethane	50.0	49.4	99	78-120	
Dichlorodifluoromethane	50.0	35.2	70	57-142	
Ethylbenzene	50.0	52.1	104	80-120	
Isopropylbenzene	50.0	56.2	112	72-120	
Methyl acetate	100	118	118	55-136	
Methyl tert-butyl ether	50.0	52.1	104	63-125	
Methylcyclohexane	50.0	51.4	103	60-140	
Methylene Chloride	50.0	52.1	104	61-127	
Tetrachloroethene	50.0	49.1	98	74-122	
Toluene	50.0	51.5	103	74-128	
trans-1,2-Dichloroethene	50.0	50.5	101	78-126	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: M14611.D

Lab ID: 480-219687-6 MS Client ID: SB-11-44.5-45.0-050824 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	49.6	5.3 U	27.4	55	77-121	F1
1,1,2,2-Tetrachloroethane	49.6	5.3 U	21.7	44	80-120	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	49.6	5.3 U	28.4	57	60-140	F1
1,1,2-Trichloroethane	49.6	5.3 U	23.5	47	78-122	F1
1,1-Dichloroethane	49.6	5.3 U	31.0	63	73-126	F1
1,1-Dichloroethene	49.6	5.3 U	26.2	53	59-125	F1
1,2,4-Trichlorobenzene	49.6	5.3 U	4.02 J	8	64-120	F1
1,2-Dibromo-3-Chloropropane	49.6	5.3 U	10.3	21	63-124	F1
1,2-Dibromoethane	49.6	5.3 U	14.4	29	78-120	F1
1,2-Dichlorobenzene	49.6	5.3 U	12.7	26	75-120	F1
1,2-Dichloroethane	49.6	5.3 U	24.8	50	77-122	F1
1,2-Dichloropropane	49.6	5.3 U	26.8	54	75-124	F1
1,3-Dichlorobenzene	49.6	5.3 U	10.6	21	74-120	F1
1,4-Dichlorobenzene	49.6	5.3 U	10.3	21	73-120	F1
2-Butanone (MEK)	248	26 U	114	46	70-134	F1
2-Hexanone	248	26 U	80.1	32	59-130	F1
4-Methyl-2-pentanone (MIBK)	248	26 U	120	49	65-133	F1
Acetone	248	5.1 J	127	49	61-137	F1
Benzene	49.6	5.3 U	25.7	52	79-127	F1
Bromodichloromethane	49.6	5.3 U	23.1	47	80-122	F1
Bromoform	49.6	5.3 U	13.6	27	68-126	F1
Bromomethane	49.6	5.3 U	33.3	67	37-149	
Carbon disulfide	49.6	5.3 U	21.1	43	64-131	F1
Carbon tetrachloride	49.6	5.3 U	21.4	43	75-135	F1
Chlorobenzene	49.6	5.3 U	17.6	36	76-124	F1
Chloroethane	49.6	5.3 U	33.3	67	69-135	F1
Chloroform	49.6	5.3 U	30.2	61	80-120	F1
Chloromethane	49.6	5.3 U	34.7	70	63-127	
cis-1,2-Dichloroethene	49.6	5.3 U	24.6	50	80-120	F1
cis-1,3-Dichloropropene	49.6	5.3 U	15.7	32	80-120	F1
Cyclohexane	49.6	5.3 U	25.7	52	65-120	F1
Dibromochloromethane	49.6	5.3 U	18.0	36	76-125	F1
Dichlorodifluoromethane	49.6	5.3 U	24.5	49	57-142	F1
Ethylbenzene	49.6	5.3 U	19.2	39	80-120	F1
Isopropylbenzene	49.6	5.3 U	24.0	48	72-120	F1
Methyl acetate	99.2	26 U	45.9	46	55-136	F1
Methyl tert-butyl ether	49.6	5.3 U	35.6	72	63-125	
Methylcyclohexane	49.6	5.3 U	20.8	42	60-140	F1
Methylene Chloride	49.6	5.3 U	30.8	62	61-127	
Styrene	49.6	5.3 U	13.8	28	80-120	F1
Tetrachloroethene	49.6	5.3 U	20.3	41	74-122	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: M14611.D

Lab ID: 480-219687-6 MS Client ID: SB-11-44.5-45.0-050824 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Toluene	49.6	5.3 U	22.3	45	74-128	F1
trans-1,2-Dichloroethene	49.6	5.3 U	21.1	43	78-126	F1
Trichloroethene	49.6	5.3 U	20.3	41	77-129	F1
Trichlorofluoromethane	49.6	5.3 U	29.4	59	65-146	F1
Vinyl chloride	49.6	5.3 U	29.5	60	61-133	F1
Xylenes, Total	99.2	11 U	37.0	37	70-130	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: M14612.D

Lab ID: 480-219687-6 MSD Client ID: SB-11-44.5-45.0-050824 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	50.9	31.2	61	13	30	77-121	F1
1,1,2,2-Tetrachloroethane	50.9	38.2	75	55	30	80-120	F1 F2 *3
1,1,2-Trichloro-1,2,2-trifluoroethane	50.9	30.8	61	8	30	60-140	
1,1,2-Trichloroethane	50.9	31.8	62	30	30	78-122	F1
1,1-Dichloroethane	50.9	36.5	72	16	30	73-126	F1
1,1-Dichloroethene	50.9	29.7	58	13	30	59-125	F1
1,2,4-Trichlorobenzene	50.9	4.30 J	8	7	30	64-120	F1 *3
1,2-Dibromo-3-Chloropropane	50.9	18.6	37	58	30	63-124	F1 F2 *3
1,2-Dibromoethane	50.9	20.8	41	36	30	78-120	F1 F2
1,2-Dichlorobenzene	50.9	18.0	35	34	30	75-120	F1 F2 *3
1,2-Dichloroethane	50.9	31.5	62	24	30	77-122	F1
1,2-Dichloropropane	50.9	33.0	65	21	30	75-124	F1
1,3-Dichlorobenzene	50.9	15.3	30	36	30	74-120	F1 F2 *3
1,4-Dichlorobenzene	50.9	14.6	29	35	30	73-120	F1 F2 *3
2-Butanone (MEK)	255	162	63	35	30	70-134	F1 F2
2-Hexanone	255	116	46	37	30	59-130	F1 F2
4-Methyl-2-pentanone (MIBK)	255	155	61	25	30	65-133	F1
Acetone	255	203	78	46	30	61-137	F2
Benzene	50.9	31.4	62	20	30	79-127	F1
Bromodichloromethane	50.9	29.4	58	24	30	80-122	F1
Bromoform	50.9	18.7	37	31	30	68-126	F1 F2
Bromomethane	50.9	35.4	70	6	30	37-149	
Carbon disulfide	50.9	24.7	48	15	30	64-131	F1
Carbon tetrachloride	50.9	24.9	49	15	30	75-135	F1
Chlorobenzene	50.9	22.6	44	25	30	76-124	F1
Chloroethane	50.9	35.2	69	5	30	69-135	
Chloroform	50.9	34.8	68	14	30	80-120	F1
Chloromethane	50.9	34.8	68	0	30	63-127	
cis-1,2-Dichloroethene	50.9	29.6	58	18	30	80-120	F1
cis-1,3-Dichloropropene	50.9	20.6	40	27	30	80-120	F1
Cyclohexane	50.9	29.1	57	12	30	65-120	F1
Dibromochloromethane	50.9	25.1	49	33	30	76-125	F1 F2
Dichlorodifluoromethane	50.9	26.1	51	6	30	57-142	F1
Ethylbenzene	50.9	24.0	47	22	30	80-120	F1
Isopropylbenzene	50.9	37.0	73	43	30	72-120	F2 *3
Methyl acetate	102	64.2	63	33	30	55-136	F2

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: M14612.D

Lab ID: 480-219687-6 MSD Client ID: SB-11-44.5-45.0-050824 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Methyl tert-butyl ether	50.9	39.5	78	10	30	63-125	
Methylcyclohexane	50.9	24.1	47	15	30	60-140	F1
Methylene Chloride	50.9	36.1	71	16	30	61-127	
Styrene	50.9	16.9	33	20	30	80-120	F1
Tetrachloroethene	50.9	24.8	49	20	30	74-122	F1
Toluene	50.9	27.9	55	22	30	74-128	F1
trans-1,2-Dichloroethene	50.9	25.4	50	18	30	78-126	F1
Trichloroethene	50.9	25.5	50	23	30	77-129	F1
Trichlorofluoromethane	50.9	31.8	62	8	30	65-146	F1
Vinyl chloride	50.9	31.7	62	7	30	61-133	
Xylenes, Total	102	45.6	45	21	30	70-130	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Sample No.: CCVIS 480-711627/4 Date Analyzed: 05/11/2024 08:35

Instrument ID: HP5977M GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Lab File ID (Standard): M14598.D Heated Purge: (Y/N) Y

Calibration ID: 46340

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		136716	5.22	279758	8.21	275904	10.62
UPPER LIMIT		273432	5.39	559516	8.38	551808	10.79
LOWER LIMIT		68358	5.05	139879	8.04	137952	10.45
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-711626/1-A		128002	5.23	246433	8.21	257497	10.62
MB 480-711626/2-A		125117	5.23	232269	8.21	259794	10.62
480-219687-2	SB-09-33.5-34.0-050824	121607	5.22	222860	8.21	252692	10.62
480-219687-5	SB-11-20.5-21-0-050824	119749	5.23	226117	8.21	247930	10.62
480-219687-6	SB-11-44.5-45.0-050824	111980	5.23	191677	8.21	128182*3	10.62
480-219687-7	DUP-01-050824	119417	5.23	221529	8.21	244215	10.62
480-219687-6 MS	SB-11-44.5-45.0-050824 MS	112045	5.23	189908	8.21	165738	10.62
480-219687-6 MSD	SB-11-44.5-45.0-050824 MSD	113038	5.23	188904	8.21	131582*3	10.62

FB = Fluorobenzene (IS)
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.167 minutes of internal standard RT

Column used to flag values outside QC limits
*3=ISTD response or retention time outside acceptable limits.

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Lab Sample ID: CCVIS 480-711076/4 Calibration Date: 05/07/2024 19:33

Instrument ID: HP5977M Calib Start Date: 04/10/2024 22:19

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 04/11/2024 00:43

Lab File ID: M14547.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.669	1.720	0.1000	51.5	50.0	3.1	50.0
Chloromethane	Ave	1.636	1.889	0.1000	57.7	50.0	15.5	20.0
Vinyl chloride	Ave	1.450	1.666	0.1000	57.4	50.0	14.9	20.0
Butadiene	Ave	1.503	1.834		61.0	50.0	22.1*	20.0
Bromomethane	Ave	1.027	1.132	0.1000	55.2	50.0	10.3	50.0
Chloroethane	Ave	0.9363	1.200	0.1000	64.1	50.0	28.2	50.0
Trichlorofluoromethane	Ave	1.919	2.430	0.1000	63.3	50.0	26.7*	20.0
Dichlorofluoromethane	Ave	2.439	3.150		64.6	50.0	29.1*	20.0
Ethyl ether	Ave	1.200	1.249		52.0	50.0	4.1	20.0
Acrolein	Ave	0.1334	0.1453		272	250	8.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.234	1.511	0.1000	61.2	50.0	22.4*	20.0
1,1-Dichloroethene	Ave	1.055	1.212	0.1000	57.4	50.0	14.9	20.0
Acetone	Ave	0.3573	0.5268	0.1000	369	250	47.4	50.0
Iodomethane	Ave	2.112	2.270		53.7	50.0	7.4	20.0
Carbon disulfide	Ave	3.594	4.150	0.1000	57.7	50.0	15.5	20.0
Allyl chloride	Ave	1.883	1.988		52.8	50.0	5.6	20.0
Methyl acetate	Ave	0.8935	0.9856	0.1000	110	100	10.3	50.0
Methylene Chloride	Lin1		1.580	0.1000	56.6	50.0	13.3	20.0
2-Methyl-2-propanol	Ave	0.1300	0.1376		529	500	5.8	50.0
Methyl tert-butyl ether	Ave	4.004	4.133	0.1000	51.6	50.0	3.2	20.0
trans-1,2-Dichloroethene	Ave	1.257	1.430	0.1000	56.9	50.0	13.7	20.0
Acrylonitrile	Ave	0.4485	0.5576		622	500	24.3*	20.0
Hexane	Ave	1.695	2.121		62.6	50.0	25.1*	20.0
1,1-Dichloroethane	Ave	2.248	2.548	0.2000	56.7	50.0	13.4	20.0
Vinyl acetate	Ave	2.248	2.048		91.1	100	-8.9	20.0
2,2-Dichloropropane	Ave	1.476	1.266		42.9	50.0	-14.2	20.0
cis-1,2-Dichloroethene	Ave	1.391	1.507	0.1000	54.2	50.0	8.4	20.0
2-Butanone (MEK)	Ave	0.4884	0.6083	0.1000	311	250	24.5*	20.0
Chlorobromomethane	Ave	0.7268	0.7596		52.3	50.0	4.5	20.0
Tetrahydrofuran	Ave	0.3509	0.4178		119	100	19.1	20.0
Chloroform	Ave	2.242	2.423	0.2000	54.0	50.0	8.1	20.0
1,1,1-Trichloroethane	Ave	1.809	1.815	0.1000	50.2	50.0	0.3	20.0
Cyclohexane	Ave	2.218	2.736	0.1000	61.7	50.0	23.3*	20.0
Carbon tetrachloride	Ave	1.559	1.334	0.1000	42.8	50.0	-14.4	20.0
1,1-Dichloropropene	Ave	1.463	1.711		58.5	50.0	16.9	20.0
Benzene	Ave	4.360	4.867	0.5000	55.8	50.0	11.6	20.0
Isobutyl alcohol	Ave	0.0449	0.0467		1300	1250	4.0	50.0
1,2-Dichloroethane	Ave	1.676	1.822	0.1000	54.4	50.0	8.7	20.0
n-Heptane	Ave	1.540	1.874		60.8	50.0	21.7*	20.0
Trichloroethene	Ave	1.126	1.270	0.2000	56.4	50.0	12.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Lab Sample ID: CCVIS 480-711076/4 Calibration Date: 05/07/2024 19:33

Instrument ID: HP5977M Calib Start Date: 04/10/2024 22:19

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 04/11/2024 00:43

Lab File ID: M14547.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.096	2.510	0.1000	59.9	50.0	19.8	20.0
1,2-Dichloropropane	Ave	1.094	1.200	0.1000	54.8	50.0	9.7	20.0
Dibromomethane	Ave	0.7318	0.7589	0.1000	51.9	50.0	3.7	20.0
1,4-Dioxane	Ave	0.0065	0.0089		1360	1000	36.4	50.0
Bromodichloromethane	Ave	1.457	1.407	0.2000	48.3	50.0	-3.4	20.0
2-Chloroethyl vinyl ether	Ave	0.5458	0.5543		50.8	50.0	1.6	20.0
cis-1,3-Dichloropropene	Ave	1.571	1.433	0.2000	45.6	50.0	-8.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5609	0.6088	0.1000	271	250	8.5	20.0
Toluene	Ave	1.330	1.325	0.4000	49.8	50.0	-0.4	20.0
trans-1,3-Dichloropropene	Ave	0.6851	0.4925	0.1000	35.9	50.0	-28.1*	20.0
Ethyl methacrylate	Ave	0.5988	0.4910		41.0	50.0	-18.0	20.0
1,1,2-Trichloroethane	Ave	0.3888	0.3725	0.1000	47.9	50.0	-4.2	20.0
Tetrachloroethene	Ave	0.5717	0.5719	0.2000	50.0	50.0	0.0	20.0
1,3-Dichloropropane	Ave	0.7573	0.7080		46.7	50.0	-6.5	20.0
2-Hexanone	Ave	0.3380	0.3510	0.1000	260	250	3.8	20.0
Dibromochloromethane	Ave	0.5314	0.4019	0.1000	37.8	50.0	-24.4*	20.0
1,2-Dibromoethane	Ave	0.4666	0.3556		38.1	50.0	-23.8*	20.0
Chlorobenzene	Ave	1.496	1.440	0.5000	48.1	50.0	-3.7	20.0
Ethylbenzene	Ave	2.492	2.539	0.1000	51.0	50.0	1.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6154	0.4670		37.9	50.0	-24.1*	20.0
m,p-Xylene	Ave	0.996	0.9853	0.1000	49.5	50.0	-1.0	20.0
o-Xylene	Ave	1.080	1.076	0.3000	49.8	50.0	-0.4	20.0
Styrene	Ave	1.600	1.548	0.3000	48.4	50.0	-3.3	20.0
Bromoform	Ave	0.3492	0.2381	0.1000	34.1	50.0	-31.8	50.0
Isopropylbenzene	Ave	2.443	2.536	0.1000	51.9	50.0	3.8	20.0
Bromobenzene	Ave	0.6178	0.5626		45.5	50.0	-8.9	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6589	0.5975	0.3000	45.3	50.0	-9.3	20.0
N-Propylbenzene	Ave	2.814	2.909		51.7	50.0	3.4	20.0
1,2,3-Trichloropropane	Ave	0.2002	0.1854		46.3	50.0	-7.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1765	0.1395		39.5	50.0	-20.9	50.0
2-Chlorotoluene	Ave	0.6134	0.6056		49.4	50.0	-1.3	20.0
1,3,5-Trimethylbenzene	Ave	2.187	2.206		50.4	50.0	0.9	20.0
4-Chlorotoluene	Ave	0.5988	0.5643		47.1	50.0	-5.8	20.0
tert-Butylbenzene	Ave	0.4568	0.4693		51.4	50.0	2.7	20.0
1,2,4-Trimethylbenzene	Ave	2.297	2.306		50.2	50.0	0.4	20.0
sec-Butylbenzene	Ave	2.751	2.883		52.4	50.0	4.8	20.0
1,3-Dichlorobenzene	Ave	1.276	1.190	0.6000	46.6	50.0	-6.7	20.0
4-Isopropyltoluene	Ave	2.488	2.590		52.0	50.0	4.1	20.0
1,4-Dichlorobenzene	Ave	1.294	1.180	0.5000	45.6	50.0	-8.8	20.0
n-Butylbenzene	Ave	2.250	2.367		52.6	50.0	5.2	20.0
1,2-Dichlorobenzene	Ave	1.338	1.243	0.4000	46.4	50.0	-7.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Lab Sample ID: CCVIS 480-711076/4 Calibration Date: 05/07/2024 19:33

Instrument ID: HP5977M Calib Start Date: 04/10/2024 22:19

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 04/11/2024 00:43

Lab File ID: M14547.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1435	0.0912	0.0500	31.8	50.0	-36.5	50.0
1,2,4-Trichlorobenzene	Ave	1.125	1.111	0.2000	49.3	50.0	-1.3	20.0
Hexachlorobutadiene	Ave	0.5215	0.5478		52.5	50.0	5.0	20.0
Naphthalene	Ave	2.794	2.717		48.6	50.0	-2.8	20.0
1,2,3-Trichlorobenzene	Ave	1.106	1.073		48.5	50.0	-3.0	20.0
Dibromofluoromethane (Surr)	Ave	1.434	1.516		52.9	50.0	5.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7632	0.7899		51.8	50.0	3.5	20.0
Toluene-d8 (Surr)	Ave	2.421	2.334		48.2	50.0	-3.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7694	0.7630		49.6	50.0	-0.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Lab Sample ID: CCVIS 480-711243/4 Calibration Date: 05/08/2024 19:57

Instrument ID: HP5977M Calib Start Date: 04/10/2024 22:19

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 04/11/2024 00:43

Lab File ID: M14575.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	1.669	1.488	0.1000	44.6	50.0	-10.8	50.0
Chloromethane	Ave	1.636	1.605	0.1000	49.0	50.0	-1.9	20.0
Vinyl chloride	Ave	1.450	1.539	0.1000	53.1	50.0	6.2	20.0
Butadiene	Ave	1.503	1.584		52.7	50.0	5.4	20.0
Bromomethane	Ave	1.027	1.045	0.1000	50.9	50.0	1.8	50.0
Chloroethane	Ave	0.9363	1.112	0.1000	59.4	50.0	18.7	50.0
Trichlorofluoromethane	Ave	1.919	2.256	0.1000	58.8	50.0	17.6	20.0
Dichlorofluoromethane	Ave	2.439	2.816		57.7	50.0	15.4	20.0
Ethyl ether	Ave	1.200	1.197		49.9	50.0	-0.3	20.0
Acrolein	Ave	0.1334	0.1344		252	250	0.8	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.234	1.314	0.1000	53.2	50.0	6.5	20.0
1,1-Dichloroethene	Ave	1.055	1.087	0.1000	51.5	50.0	3.0	20.0
Acetone	Ave	0.3573	0.5038	0.1000	353	250	41.0	50.0
Iodomethane	Ave	2.112	2.143		50.7	50.0	1.5	20.0
Carbon disulfide	Ave	3.594	3.827	0.1000	53.2	50.0	6.5	20.0
Allyl chloride	Ave	1.883	1.939		51.5	50.0	3.0	20.0
Methyl acetate	Ave	0.8935	0.9721	0.1000	109	100	8.8	50.0
Methylene Chloride	Lin1		1.693	0.1000	61.2	50.0	22.4*	20.0
2-Methyl-2-propanol	Ave	0.1300	0.1494		575	500	14.9	50.0
Methyl tert-butyl ether	Ave	4.004	4.025	0.1000	50.3	50.0	0.5	20.0
trans-1,2-Dichloroethene	Ave	1.257	1.341	0.1000	53.3	50.0	6.7	20.0
Acrylonitrile	Ave	0.4485	0.5332		594	500	18.9	20.0
Hexane	Ave	1.695	1.982		58.5	50.0	17.0	20.0
1,1-Dichloroethane	Ave	2.248	2.414	0.2000	53.7	50.0	7.4	20.0
Vinyl acetate	Ave	2.248	2.208		98.2	100	-1.8	20.0
2,2-Dichloropropane	Ave	1.476	1.297		43.9	50.0	-12.1	20.0
cis-1,2-Dichloroethene	Ave	1.391	1.482	0.1000	53.3	50.0	6.5	20.0
2-Butanone (MEK)	Ave	0.4884	0.6189	0.1000	317	250	26.7*	20.0
Chlorobromomethane	Ave	0.7268	0.7479		51.5	50.0	2.9	20.0
Tetrahydrofuran	Ave	0.3509	0.4095		117	100	16.7	20.0
Chloroform	Ave	2.242	2.352	0.2000	52.4	50.0	4.9	20.0
1,1,1-Trichloroethane	Ave	1.809	1.799	0.1000	49.7	50.0	-0.5	20.0
Cyclohexane	Ave	2.218	2.513	0.1000	56.6	50.0	13.3	20.0
Carbon tetrachloride	Ave	1.559	1.357	0.1000	43.5	50.0	-13.0	20.0
1,1-Dichloropropene	Ave	1.463	1.670		57.0	50.0	14.1	20.0
Benzene	Ave	4.360	4.690	0.5000	53.8	50.0	7.6	20.0
Isobutyl alcohol	Ave	0.0449	0.0511		1420	1250	14.0	50.0
1,2-Dichloroethane	Ave	1.676	1.831	0.1000	54.6	50.0	9.3	20.0
n-Heptane	Ave	1.540	1.804		58.6	50.0	17.2	20.0
Trichloroethene	Ave	1.126	1.238	0.2000	54.9	50.0	9.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Lab Sample ID: CCVIS 480-711243/4 Calibration Date: 05/08/2024 19:57

Instrument ID: HP5977M Calib Start Date: 04/10/2024 22:19

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 04/11/2024 00:43

Lab File ID: M14575.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	2.096	2.354	0.1000	56.2	50.0	12.3	20.0
1,2-Dichloropropane	Ave	1.094	1.192	0.1000	54.5	50.0	8.9	20.0
Dibromomethane	Ave	0.7318	0.7806	0.1000	53.3	50.0	6.7	20.0
1,4-Dioxane	Ave	0.0065	0.0073		1120	1000	12.1	50.0
Bromodichloromethane	Ave	1.457	1.447	0.2000	49.7	50.0	-0.7	20.0
2-Chloroethyl vinyl ether	Ave	0.5458	0.6004		55.0	50.0	10.0	20.0
cis-1,3-Dichloropropene	Ave	1.571	1.553	0.2000	49.4	50.0	-1.1	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5609	0.5594	0.1000	249	250	-0.3	20.0
Toluene	Ave	1.330	1.226	0.4000	46.1	50.0	-7.8	20.0
trans-1,3-Dichloropropene	Ave	0.6851	0.5426	0.1000	39.6	50.0	-20.8*	20.0
Ethyl methacrylate	Ave	0.5988	0.4978		41.6	50.0	-16.9	20.0
1,1,2-Trichloroethane	Ave	0.3888	0.3511	0.1000	45.1	50.0	-9.7	20.0
Tetrachloroethene	Ave	0.5717	0.5379	0.2000	47.0	50.0	-5.9	20.0
1,3-Dichloropropane	Ave	0.7573	0.6815		45.0	50.0	-10.0	20.0
2-Hexanone	Ave	0.3380	0.3440	0.1000	254	250	1.8	20.0
Dibromochloromethane	Ave	0.5314	0.4057	0.1000	38.2	50.0	-23.6*	20.0
1,2-Dibromoethane	Ave	0.4666	0.3891		41.7	50.0	-16.6	20.0
Chlorobenzene	Ave	1.496	1.363	0.5000	45.6	50.0	-8.9	20.0
Ethylbenzene	Ave	2.492	2.371	0.1000	47.6	50.0	-4.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.6154	0.4636		37.7	50.0	-24.7*	20.0
m,p-Xylene	Ave	0.996	0.9268	0.1000	46.5	50.0	-6.9	20.0
o-Xylene	Ave	1.080	0.9866	0.3000	45.7	50.0	-8.7	20.0
Styrene	Ave	1.600	1.475	0.3000	46.1	50.0	-7.8	20.0
Bromoform	Ave	0.3492	0.2478	0.1000	35.5	50.0	-29.0	50.0
Isopropylbenzene	Ave	2.443	2.330	0.1000	47.7	50.0	-4.6	20.0
Bromobenzene	Ave	0.6178	0.5412		43.8	50.0	-12.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6589	0.5688	0.3000	43.2	50.0	-13.7	20.0
N-Propylbenzene	Ave	2.814	2.673		47.5	50.0	-5.0	20.0
1,2,3-Trichloropropane	Ave	0.2002	0.1768		44.1	50.0	-11.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1765	0.1431		40.5	50.0	-18.9	50.0
2-Chlorotoluene	Ave	0.6134	0.5537		45.1	50.0	-9.7	20.0
1,3,5-Trimethylbenzene	Ave	2.187	2.053		46.9	50.0	-6.1	20.0
4-Chlorotoluene	Ave	0.5988	0.5383		44.9	50.0	-10.1	20.0
tert-Butylbenzene	Ave	0.4568	0.4494		49.2	50.0	-1.6	20.0
1,2,4-Trimethylbenzene	Ave	2.297	2.134		46.5	50.0	-7.1	20.0
sec-Butylbenzene	Ave	2.751	2.669		48.5	50.0	-3.0	20.0
1,3-Dichlorobenzene	Ave	1.276	1.113	0.6000	43.6	50.0	-12.7	20.0
4-Isopropyltoluene	Ave	2.488	2.365		47.5	50.0	-5.0	20.0
1,4-Dichlorobenzene	Ave	1.294	1.116	0.5000	43.1	50.0	-13.8	20.0
n-Butylbenzene	Ave	2.250	2.175		48.3	50.0	-3.3	20.0
1,2-Dichlorobenzene	Ave	1.338	1.152	0.4000	43.0	50.0	-13.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Lab Sample ID: CCVIS 480-711243/4 Calibration Date: 05/08/2024 19:57

Instrument ID: HP5977M Calib Start Date: 04/10/2024 22:19

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 04/11/2024 00:43

Lab File ID: M14575.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1435	0.0996	0.0500	34.7	50.0	-30.6	50.0
1,2,4-Trichlorobenzene	Ave	1.125	0.9924	0.2000	44.1	50.0	-11.8	20.0
Hexachlorobutadiene	Ave	0.5215	0.5026		48.2	50.0	-3.6	20.0
Naphthalene	Ave	2.794	2.487		44.5	50.0	-11.0	20.0
1,2,3-Trichlorobenzene	Ave	1.106	0.9706		43.9	50.0	-12.2	20.0
Dibromofluoromethane (Surr)	Ave	1.434	1.497		52.2	50.0	4.4	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.7632	0.8080		52.9	50.0	5.9	20.0
Toluene-d8 (Surr)	Ave	2.421	2.261		46.7	50.0	-6.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.7694	0.7674		49.9	50.0	-0.3	20.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219561-1

SDG No.: 480-219561-1

Client Sample ID: | Lab Sample ID: MB 480-711075/2-A

Matrix: Solid | Lab File ID: M14551.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 05/07/2024 21:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) Y pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711076 | Units: ug/Kg

Preparation Batch No.: 711075 | Instrument ID: HP5977M

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
75-34-3	1,1-Dichloroethane	5.0	U	5.0	0.61
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	5.0	U	5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5
95-50-1	1,2-Dichlorobenzene	5.0	U	5.0	0.39
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.25
78-87-5	1,2-Dichloropropane	5.0	U	5.0	2.5
541-73-1	1,3-Dichlorobenzene	5.0	U	5.0	0.26
106-46-7	1,4-Dichlorobenzene	5.0	U	5.0	0.70
78-93-3	2-Butanone (MEK)	25	U	25	1.8
591-78-6	2-Hexanone	25	U	25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	25	U	25	1.6
67-64-1	Acetone	25	U	25	4.2
71-43-2	Benzene	5.0	U	5.0	0.25
75-25-2	Bromoform	5.0	U	5.0	2.5
74-83-9	Bromomethane	5.0	U	5.0	0.45
75-15-0	Carbon disulfide	5.0	U	5.0	2.5
56-23-5	Carbon tetrachloride	5.0	U	5.0	0.48
108-90-7	Chlorobenzene	5.0	U	5.0	0.66
75-00-3	Chloroethane	5.0	U	5.0	1.1
67-66-3	Chloroform	0.353	J	5.0	0.31
74-87-3	Chloromethane	5.0	U	5.0	0.30
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.64
75-27-4	Bromodichloromethane	5.0	U	5.0	0.67
110-82-7	Cyclohexane	5.0	U	5.0	0.70
124-48-1	Dibromochloromethane	5.0	U	5.0	0.64
106-93-4	1,2-Dibromoethane	5.0	U	5.0	0.64
75-71-8	Dichlorodifluoromethane	5.0	U	5.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-219561-1

SDG No.: 480-219561-1

Client Sample ID: | Lab Sample ID: MB 480-711242/2-A

Matrix: Solid | Lab File ID: M14579.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 05/08/2024 21:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: ZB-624 (30) VOA ID: 0.25(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) Y pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 711243 | Units: ug/Kg

Preparation Batch No.: 711242 | Instrument ID: HP5977M

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	0.36
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	0.65
75-34-3	1,1-Dichloroethane	5.0	U	5.0	0.61
75-35-4	1,1-Dichloroethene	5.0	U	5.0	0.61
120-82-1	1,2,4-Trichlorobenzene	5.0	U	5.0	0.30
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5
95-50-1	1,2-Dichlorobenzene	5.0	U	5.0	0.39
107-06-2	1,2-Dichloroethane	5.0	U	5.0	0.25
78-87-5	1,2-Dichloropropane	5.0	U	5.0	2.5
541-73-1	1,3-Dichlorobenzene	5.0	U	5.0	0.26
106-46-7	1,4-Dichlorobenzene	5.0	U	5.0	0.70
78-93-3	2-Butanone (MEK)	25	U	25	1.8
591-78-6	2-Hexanone	25	U	25	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	25	U	25	1.6
67-64-1	Acetone	25	U	25	4.2
71-43-2	Benzene	5.0	U	5.0	0.25
75-25-2	Bromoform	5.0	U	5.0	2.5
74-83-9	Bromomethane	5.0	U	5.0	0.45
75-15-0	Carbon disulfide	5.0	U	5.0	2.5
56-23-5	Carbon tetrachloride	5.0	U	5.0	0.48
108-90-7	Chlorobenzene	5.0	U	5.0	0.66
75-00-3	Chloroethane	5.0	U	5.0	1.1
67-66-3	Chloroform	0.326	J	5.0	0.31
74-87-3	Chloromethane	5.0	U	5.0	0.30
156-59-2	cis-1,2-Dichloroethene	5.0	U	5.0	0.64
75-27-4	Bromodichloromethane	5.0	U	5.0	0.67
110-82-7	Cyclohexane	5.0	U	5.0	0.70
124-48-1	Dibromochloromethane	5.0	U	5.0	0.64
106-93-4	1,2-Dibromoethane	5.0	U	5.0	0.64
75-71-8	Dichlorodifluoromethane	5.0	U	5.0	0.41

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: V3166995.d

Lab ID: LCS 480-711416/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	1620	769	47	23-120	
2,4,5-Trichlorophenol	1620	1490	92	59-126	
2,4,6-Trichlorophenol	1620	1500	92	59-123	
2,4-Dichlorophenol	1620	1430	88	61-120	
2,4-Dimethylphenol	1620	1230	76	59-120	
2,4-Dinitrophenol	3250	2300	71	41-146	
2,4-Dinitrotoluene	1620	1490	92	63-120	
2,6-Dinitrotoluene	1620	1510	93	66-120	
2-Chloronaphthalene	1620	1440	88	57-120	
2-Chlorophenol	1620	1350	83	53-120	
2-Methylnaphthalene	1620	1400	86	59-120	
2-Methylphenol	1620	1320	81	54-120	
2-Nitroaniline	1620	1420	88	61-120	
2-Nitrophenol	1620	1440	89	56-120	
3,3'-Dichlorobenzidine	3250	2750	85	54-120	
3-Nitroaniline	1620	1190	73	48-120	
4,6-Dinitro-2-methylphenol	3250	2820	87	49-122	
4-Bromophenyl phenyl ether	1620	1560	96	58-120	
4-Chloro-3-methylphenol	1620	1500	92	61-120	
4-Chloroaniline	1620	1150	71	38-120	
4-Chlorophenyl phenyl ether	1620	1450	89	63-124	
4-Methylphenol	1620	1400	86	55-120	
4-Nitroaniline	1620	1320	81	56-120	
4-Nitrophenol	3250	2680	83	43-147	
Acenaphthene	1620	1470	90	62-120	
Acenaphthylene	1620	1420	87	58-121	
Acetophenone	1620	1400	86	54-120	
Anthracene	1620	1500	93	62-120	
Atrazine	3250	2810	87	60-127	
Benzaldehyde	3250	2730	84	10-150	E
Benzo[a]anthracene	1620	1570	97	65-120	
Benzo[a]pyrene	1620	1590	98	64-120	
Benzo[b]fluoranthene	1620	1580	97	64-120	
Benzo[g,h,i]perylene	1620	1380	85	45-145	
Benzo[k]fluoranthene	1620	1790	111	65-120	
Biphenyl	1620	1440	89	59-120	
bis (2-chloroisopropyl) ether	1620	1270	78	44-120	
Bis(2-chloroethoxy)methane	1620	1390	85	55-120	
Bis(2-chloroethyl)ether	1620	1330	82	45-120	
Bis(2-ethylhexyl) phthalate	1620	1680	104	61-133	
Butyl benzyl phthalate	1620	1700	105	61-129	
Caprolactam	3250	2940	90	47-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: V3167002.d

Lab ID: 480-219687-6 MS Client ID: SB-11-44.5-45.0-050824 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,4-Dioxane	2570	150 U	1280	50	13-120	
2,4,5-Trichlorophenol	2570	260 U	2380	93	46-120	
2,4,6-Trichlorophenol	2570	260 U	2380	92	41-123	
2,4-Dichlorophenol	2570	260 U	2240	87	45-120	
2,4-Dimethylphenol	2570	260 U	1970	77	52-120	
2,4-Dinitrophenol	5150	2600 U	2980	58	41-146	
2,4-Dinitrotoluene	2570	260 U	2420	94	63-125	
2,6-Dinitrotoluene	2570	260 U	2420	94	66-120	
2-Chloronaphthalene	2570	260 U	2360	92	57-120	
2-Chlorophenol	2570	510 U	2100	81	43-120	
2-Methylnaphthalene	2570	260 U	2230	87	55-120	
2-Methylphenol	2570	260 U	2020	79	48-120	
2-Nitroaniline	2570	510 U	2230	87	61-120	
2-Nitrophenol	2570	260 U	2340	91	37-120	
3,3'-Dichlorobenzidine	5150	510 U	4500	87	37-126	
3-Nitroaniline	2570	510 U	1980	77	48-120	
4,6-Dinitro-2-methylphenol	5150	510 U	3970	77	23-149	
4-Bromophenyl phenyl ether	2570	260 U	2390	93	58-120	
4-Chloro-3-methylphenol	2570	260 U	2310	90	49-125	
4-Chloroaniline	2570	260 U	1860	72	38-120	
4-Chlorophenyl phenyl ether	2570	260 U	2320	90	63-124	
4-Methylphenol	2570	510 U	2100	82	50-120	
4-Nitroaniline	2570	510 U	2040	79	47-120	
4-Nitrophenol	5150	510 U	4120	80	31-147	
Acenaphthene	2570	260 U	2310	90	60-120	
Acenaphthylene	2570	260 U	2320	90	58-121	
Acetophenone	2570	260 U	2150	84	47-120	
Anthracene	2570	260 U	2360	92	62-120	
Atrazine	5150	260 U	4460	87	60-150	
Benzaldehyde	5150	260 U	4250	83	10-150	E
Benzo[a]anthracene	2570	260 U	2380	92	65-120	
Benzo[a]pyrene	2570	260 U	2420	94	64-120	
Benzo[b]fluoranthene	2570	260 U	2480	96	10-150	
Benzo[g,h,i]perylene	2570	260 U	2500	97	45-145	
Benzo[k]fluoranthene	2570	260 U	2560	99	23-150	
Biphenyl	2570	260 U	2400	93	58-120	
bis (2-chloroisopropyl) ether	2570	260 U	1880	73	31-120	
Bis(2-chloroethoxy)methane	2570	260 U	2190	85	52-120	
Bis(2-chloroethyl)ether	2570	260 U	2120	82	45-120	
Bis(2-ethylhexyl) phthalate	2570	260 U	2480	96	61-133	
Butyl benzyl phthalate	2570	260 U	2580	100	61-120	
Caprolactam	5150	260 U	4470	87	37-133	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: V3167003.d

Lab ID: 480-219687-6 MSD Client ID: SB-11-44.5-45.0-050824 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	2580	1270	49	1	50	13-120	
2,4,5-Trichlorophenol	2580	2460	95	3	18	46-120	
2,4,6-Trichlorophenol	2580	2500	97	5	19	41-123	
2,4-Dichlorophenol	2580	2280	89	2	19	45-120	
2,4-Dimethylphenol	2580	2020	78	2	42	52-120	
2,4-Dinitrophenol	5150	2820	55	5	22	41-146	
2,4-Dinitrotoluene	2580	2370	92	2	20	63-125	
2,6-Dinitrotoluene	2580	2490	97	3	15	66-120	
2-Chloronaphthalene	2580	2370	92	1	21	57-120	
2-Chlorophenol	2580	2130	83	2	25	43-120	
2-Methylnaphthalene	2580	2230	87	0	21	55-120	
2-Methylphenol	2580	2140	83	6	27	48-120	
2-Nitroaniline	2580	2210	86	1	15	61-120	
2-Nitrophenol	2580	2350	91	1	18	37-120	
3,3'-Dichlorobenzidine	5150	4970	97	10	25	37-126	
3-Nitroaniline	2580	2040	79	3	19	48-120	
4,6-Dinitro-2-methylphenol	5150	4270	83	7	15	23-149	
4-Bromophenyl phenyl ether	2580	2510	98	5	15	58-120	
4-Chloro-3-methylphenol	2580	2280	89	1	27	49-125	
4-Chloroaniline	2580	1880	73	1	22	38-120	
4-Chlorophenyl phenyl ether	2580	2320	90	0	16	63-124	
4-Methylphenol	2580	2220	86	6	24	50-120	
4-Nitroaniline	2580	2100	82	3	24	47-120	
4-Nitrophenol	5150	4160	81	1	25	31-147	
Acenaphthene	2580	2320	90	1	35	60-120	
Acenaphthylene	2580	2310	89	1	18	58-121	
Acetophenone	2580	2230	86	3	20	47-120	
Anthracene	2580	2460	96	4	15	62-120	
Atrazine	5150	4470	87	0	20	60-150	
Benzaldehyde	5150	4360	85	2	20	10-150	E
Benzo[a]anthracene	2580	2600	101	9	15	65-120	
Benzo[a]pyrene	2580	2630	102	8	15	64-120	
Benzo[b]fluoranthene	2580	2570	100	4	15	10-150	
Benzo[g,h,i]perylene	2580	2860	111	13	15	45-145	
Benzo[k]fluoranthene	2580	2530	98	1	22	23-150	
Biphenyl	2580	2400	93	0	20	58-120	
bis (2-chloroisopropyl) ether	2580	1910	74	2	24	31-120	
Bis(2-chloroethoxy)methane	2580	2180	85	0	17	52-120	
Bis(2-chloroethyl)ether	2580	2120	82	0	21	45-120	
Bis(2-ethylhexyl) phthalate	2580	2590	101	5	15	61-133	
Butyl benzyl phthalate	2580	2750	107	6	16	61-120	
Caprolactam	5150	4610	89	3	20	37-133	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-219561-1

SDG No.: 480-219561-1

Client Sample ID: | Lab Sample ID: MB 480-711214/1-A

Matrix: Solid | Lab File ID: V3166988.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3550C | Date Extracted: 05/08/2024 16:31

Sample wt/vol: 30(g) | Date Analyzed: 05/10/2024 12:58

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 711455 | Units: ug/Kg

Preparation Batch No.: 711214 | Instrument ID: HP5973V

Number TICs Found: 5 | TIC Result Total: 4411.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
625-86-5	Furan, 2,5-dimethyl-	1.75	410	T J N	95%
	Unknown	2.06	682	T J	
110-86-1	Pyridine	2.19	36.9	J	80%
	Unknown	3.60	3130	T J	
	Unknown	3.85	153	T J	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-219561-1

SDG No.: 480-219561-1

Client Sample ID: | Lab Sample ID: MB 480-711416/1-A

Matrix: Solid | Lab File ID: V3166994.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3550C | Date Extracted: 05/09/2024 16:25

Sample wt/vol: 30.67(g) | Date Analyzed: 05/10/2024 15:58

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 711455 | Units: ug/Kg

Preparation Batch No.: 711416 | Instrument ID: HP5973V

Number TICs Found: 7 | TIC Result Total: 4726

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
625-86-5	Furan, 2,5-dimethyl-	1.76	422	T J N	91%
	Unknown	2.05	506	T J	
	Unknown	3.60	3180	T J	
3074-71-3	Heptane, 2,3-dimethyl-	3.86	144	T J N	90%
922-28-1	Heptane, 3,4-dimethyl-	3.90	146	T J N	90%
79-34-5	Ethane, 1,1,2,2-tetrachloro-	4.72	189	T J N	96%
7098-21-7	Tritetracontane	13.32	139	T J N	91%

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Client Sample ID: SB-11-44.5-45.0-050824 MS Lab Sample ID: 480-219687-6 MS

Instrument ID (1): HP6890-25 Instrument ID (2): HP6890-25

Date Analyzed (1): 05/13/2024 11:01 Date Analyzed (2): 05/13/2024 11:01

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.75	2.73	2.79	16.4		27.8
	2		3.37	3.34	3.40	21.6		
gamma-BHC (Lindane)	1		2.99	2.97	3.03	19.4		17.7
	2		3.70	3.68	3.74	23.1		
beta-BHC	1		3.06	3.03	3.09	21.0		6.9
	2		3.77	3.75	3.81	22.4		
delta-BHC	1		3.20	3.18	3.24	20.5		9.5
	2		4.08	4.05	4.11	22.6		
Heptachlor	1		3.38	3.36	3.42	24.8		4.0
	2		4.17	4.14	4.20	25.8		
Aldrin	1		3.65	3.62	3.68	23.1		3.3
	2		4.51	4.49	4.55	23.9		
Heptachlor epoxide	1		4.21	4.19	4.25	26.8		10.3
	2		5.10	5.08	5.14	24.2		
trans-Chlordane	1		4.34	4.31	4.37	22.2		9.5
	2		5.31	5.28	5.34	24.4		
cis-Chlordane	1		4.47	4.44	4.50	19.3		26.4
	2		5.46	5.43	5.49	25.2		
4,4'-DDE	1		4.55	4.53	4.59	22.7		8.5
	2		5.62	5.60	5.66	24.7		
Endosulfan I	1		4.60	4.58	4.64	22.8		12.5
	2		5.52	5.50	5.56	25.9		
Dieldrin	1		4.84	4.82	4.88	26.1		1.3
	2		5.81	5.78	5.84	26.4		
Endrin	1		5.07	5.05	5.11	24.7		3.9
	2		6.12	6.10	6.16	25.7		
4,4'-DDD	1		5.15	5.13	5.19	24.9		1.5
	2		6.22	6.19	6.25	25.3		
Endosulfan II	1		5.29	5.27	5.33	27.4		4.0
	2		6.34	6.31	6.37	26.3		
4,4'-DDT	1		5.44	5.41	5.47	27.9		3.9
	2		6.54	6.52	6.58	26.8		
Endrin aldehyde	1		5.72	5.69	5.75	20.3		20.8
	2		6.67	6.65	6.71	25.1		
Methoxychlor	1		5.94	5.92	5.98	29.9		2.1
	2		7.22	7.20	7.26	29.3		
Endosulfan sulfate	1		6.16	6.13	6.19	27.3		4.8
	2		6.96	6.94	7.00	26.1		
Endrin ketone	1		6.43	6.41	6.47	28.2		0.0
	2		7.50	7.48	7.54	28.2		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Client Sample ID: SB-11-44.5-45.0-050824 MSD Lab Sample ID: 480-219687-6 MSD

Instrument ID (1): HP6890-25 Instrument ID (2): HP6890-25

Date Analyzed (1): 05/13/2024 11:42 Date Analyzed (2): 05/13/2024 11:42

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.75	2.73	2.79	14.8		28.5
	2		3.37	3.34	3.40	19.8		
gamma-BHC (Lindane)	1		2.99	2.97	3.03	17.5		19.7
	2		3.70	3.68	3.74	21.3		
beta-BHC	1		3.06	3.03	3.09	18.9		10.3
	2		3.77	3.75	3.81	21.0		
delta-BHC	1		3.20	3.18	3.24	18.9		8.5
	2		4.08	4.05	4.11	20.6		
Heptachlor	1		3.38	3.36	3.42	22.3		3.4
	2		4.17	4.14	4.20	23.1		
Aldrin	1		3.65	3.62	3.68	20.6		6.2
	2		4.51	4.49	4.55	22.0		
Heptachlor epoxide	1		4.21	4.19	4.25	24.4		11.6
	2		5.10	5.08	5.14	21.7		
trans-Chlordane	1		4.34	4.31	4.37	20.2		11.8
	2		5.30	5.28	5.34	22.7		
cis-Chlordane	1		4.47	4.44	4.50	17.3		28.7
	2		5.46	5.43	5.49	23.1		
4,4'-DDE	1		4.55	4.53	4.59	20.4		13.3
	2		5.62	5.60	5.66	23.4		
Endosulfan I	1		4.60	4.58	4.64	20.7		12.4
	2		5.52	5.50	5.56	23.5		
Dieldrin	1		4.84	4.82	4.88	22.9		7.9
	2		5.81	5.78	5.84	24.8		
Endrin	1		5.07	5.05	5.11	22.7		2.4
	2		6.12	6.10	6.16	23.2		
4,4'-DDD	1		5.15	5.13	5.19	22.7		5.5
	2		6.22	6.19	6.25	24.0		
Endosulfan II	1		5.29	5.27	5.33	24.7		1.0
	2		6.34	6.31	6.37	25.0		
4,4'-DDT	1		5.44	5.41	5.47	25.2		2.4
	2		6.54	6.52	6.58	25.8		
Endrin aldehyde	1		5.72	5.69	5.75	17.5		24.6
	2		6.67	6.65	6.71	22.4		
Methoxychlor	1		5.94	5.92	5.98	27.5		5.0
	2		7.22	7.20	7.26	26.2		
Endosulfan sulfate	1		6.16	6.13	6.19	24.4		0.8
	2		6.96	6.94	7.00	24.6		
Endrin ketone	1		6.44	6.41	6.47	25.8		0.2
	2		7.50	7.48	7.54	25.9		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Client Sample ID: Lab Sample ID: LCS 480-711277/2-A

Instrument ID (1): HP6890-25 Instrument ID (2): HP6890-25

Date Analyzed (1): 05/10/2024 17:46 Date Analyzed (2): 05/10/2024 17:46

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.75	2.72	2.78	11.3		32.5
	2		3.36	3.33	3.39	15.7		
gamma-BHC (Lindane)	1		2.99	2.96	3.02	13.9		18.0
	2		3.70	3.67	3.73	16.6		
beta-BHC	1		3.06	3.03	3.09	14.8		5.6
	2		3.77	3.74	3.80	15.7		
delta-BHC	1		3.20	3.17	3.23	14.8		8.9
	2		4.07	4.04	4.10	16.1		
Heptachlor	1		3.38	3.35	3.41	18.0		1.7
	2		4.16	4.13	4.19	18.3		
Aldrin	1		3.64	3.61	3.67	16.7		6.1
	2		4.51	4.48	4.54	17.8		
Heptachlor epoxide	1		4.21	4.18	4.24	19.2		13.0
	2		5.10	5.07	5.13	16.9		
trans-Chlordane	1		4.33	4.30	4.36	15.9		5.0
	2		5.30	5.27	5.33	16.7		
cis-Chlordane	1		4.47	4.44	4.50	14.0		19.9
	2		5.45	5.43	5.49	17.1		
4,4'-DDE	1		4.55	4.52	4.58	16.3		5.4
	2		5.62	5.59	5.65	17.2		
Endosulfan I	1		4.60	4.57	4.63	16.3		8.1
	2		5.52	5.49	5.55	17.7		
Dieldrin	1		4.84	4.81	4.87	18.5		0.1
	2		5.80	5.77	5.83	18.5		
Endrin	1		5.07	5.04	5.10	17.7		1.3
	2		6.12	6.09	6.15	17.9		
4,4'-DDD	1		5.15	5.12	5.18	17.5		0.6
	2		6.22	6.19	6.25	17.6		
Endosulfan II	1		5.29	5.26	5.32	19.2		5.9
	2		6.33	6.30	6.36	18.1		
4,4'-DDT	1		5.43	5.40	5.46	18.6		3.8
	2		6.54	6.51	6.57	17.9		
Endrin aldehyde	1		5.71	5.69	5.75	15.1		17.2
	2		6.67	6.64	6.70	17.9		
Methoxychlor	1		5.94	5.91	5.97	21.1		5.7
	2		7.22	7.19	7.25	19.9		
Endosulfan sulfate	1		6.15	6.12	6.18	19.0		36.8
	2		6.96	6.93	6.99	13.1		
Endrin ketone	1		6.43	6.40	6.46	19.1		4.5
	2		7.50	7.47	7.53	18.3		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Client Sample ID: Lab Sample ID: LCSD 480-711277/3-A

Instrument ID (1): HP6890-25 Instrument ID (2): HP6890-25

Date Analyzed (1): 05/10/2024 18:05 Date Analyzed (2): 05/10/2024 18:05

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.76	2.72	2.78	10.3		32.1
	2		3.37	3.33	3.39	14.2		
gamma-BHC (Lindane)	1		2.99	2.96	3.02	12.8		16.6
	2		3.70	3.67	3.73	15.1		
beta-BHC	1		3.06	3.03	3.09	13.8		2.0
	2		3.77	3.74	3.80	14.1		
delta-BHC	1		3.20	3.17	3.23	13.5		7.7
	2		4.08	4.04	4.10	14.6		
Heptachlor	1		3.38	3.35	3.41	16.5		0.1
	2		4.17	4.13	4.19	16.5		
Aldrin	1		3.65	3.61	3.67	15.2		9.3
	2		4.51	4.48	4.54	16.7		
Heptachlor epoxide	1		4.21	4.18	4.24	17.5		12.6
	2		5.10	5.07	5.13	15.4		
trans-Chlordane	1		4.34	4.30	4.36	14.7		4.1
	2		5.30	5.27	5.33	15.3		
cis-Chlordane	1		4.47	4.44	4.50	12.5		22.7
	2		5.46	5.43	5.49	15.7		
4,4'-DDE	1		4.55	4.52	4.58	15.0		4.4
	2		5.62	5.59	5.65	15.7		
Endosulfan I	1		4.60	4.57	4.63	15.1		8.3
	2		5.52	5.49	5.55	16.4		
Dieldrin	1		4.84	4.81	4.87	16.6		1.6
	2		5.80	5.77	5.83	16.8		
Endrin	1		5.07	5.04	5.10	16.2		0.2
	2		6.12	6.09	6.15	16.1		
4,4'-DDD	1		5.15	5.12	5.18	16.0		0.8
	2		6.22	6.19	6.25	15.9		
Endosulfan II	1		5.29	5.26	5.32	18.0		9.6
	2		6.34	6.30	6.36	16.4		
4,4'-DDT	1		5.44	5.40	5.46	17.4		8.0
	2		6.54	6.51	6.57	16.1		
Endrin aldehyde	1		5.72	5.69	5.75	13.9		11.9
	2		6.68	6.64	6.70	15.6		
Methoxychlor	1		5.94	5.91	5.97	19.5		8.0
	2		7.23	7.19	7.25	18.0		
Endosulfan sulfate	1		6.16	6.12	6.18	17.5		38.3
	2		6.96	6.93	6.99	11.9		
Endrin ketone	1		6.43	6.40	6.46	17.3		1.6
	2		7.50	7.47	7.53	17.0		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Client Sample ID: Lab Sample ID: LCS 480-711473/2-A

Instrument ID (1): HP6890-25 Instrument ID (2): HP6890-25

Date Analyzed (1): 05/13/2024 10:42 Date Analyzed (2): 05/13/2024 10:42

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.75	2.73	2.79	9.24		27.6
	2		3.37	3.34	3.40	12.2		
gamma-BHC (Lindane)	1		2.99	2.97	3.03	11.2		16.5
	2		3.70	3.68	3.74	13.2		
beta-BHC	1		3.06	3.03	3.09	12.7		2.3
	2		3.77	3.75	3.81	13.0		
delta-BHC	1		3.20	3.18	3.24	11.9		10.4
	2		4.08	4.05	4.11	13.2		
Heptachlor	1		3.38	3.36	3.42	13.9		3.6
	2		4.17	4.14	4.20	14.4		
Aldrin	1		3.65	3.62	3.68	12.5		4.9
	2		4.51	4.49	4.55	13.1		
Heptachlor epoxide	1		4.21	4.19	4.25	15.3		11.6
	2		5.10	5.08	5.14	13.6		
trans-Chlordane	1		4.34	4.31	4.37	13.3		5.6
	2		5.30	5.28	5.34	14.0		
cis-Chlordane	1		4.47	4.44	4.50	11.1		25.4
	2		5.46	5.43	5.49	14.4		
4,4'-DDE	1		4.55	4.53	4.59	12.9		11.5
	2		5.62	5.60	5.66	14.5		
Endosulfan I	1		4.60	4.58	4.64	13.3		9.2
	2		5.52	5.50	5.56	14.6		
Dieldrin	1		4.84	4.82	4.88	14.8		2.5
	2		5.81	5.78	5.84	15.2		
Endrin	1		5.07	5.05	5.11	14.5		0.9
	2		6.12	6.10	6.16	14.6		
4,4'-DDD	1		5.15	5.13	5.19	15.1		1.0
	2		6.22	6.19	6.25	15.2		
Endosulfan II	1		5.30	5.27	5.33	16.3		5.0
	2		6.34	6.31	6.37	15.5		
4,4'-DDT	1		5.44	5.41	5.47	16.3		1.3
	2		6.54	6.52	6.58	16.1		
Endrin aldehyde	1		5.72	5.69	5.75	10.9		22.7
	2		6.68	6.65	6.71	13.7		
Methoxychlor	1		5.94	5.92	5.98	18.7		12.1
	2		7.23	7.20	7.26	16.5		
Endosulfan sulfate	1		6.16	6.13	6.19	16.2		5.1
	2		6.96	6.94	7.00	15.4		
Endrin ketone	1		6.44	6.41	6.47	16.6		3.9
	2		7.51	7.48	7.54	15.9		

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Lab Sample ID: ICV 480-709104/21 Calibration Date: 04/24/2024 13:26

Instrument ID: HP6890-25 Calib Start Date: 04/24/2024 11:48

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 04/24/2024 13:06

Lab File ID: 25_78-144.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin1		0.0327		0.282	0.500	-43.7*	20.0
Toxaphene Peak 2	Lin1		0.0736		0.468	0.500	-6.3	20.0
Toxaphene Peak 3	Lin1		0.0420		0.483	0.500	-3.4	20.0
Toxaphene Peak 4	Lin1		0.0259		0.277	0.500	-44.7*	20.0
Toxaphene Peak 5	Lin1		0.0514		0.630	0.500	26.1*	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Lab Sample ID: ICV 480-709104/21 Calibration Date: 04/24/2024 13:26

Instrument ID: HP6890-25 Calib Start Date: 04/24/2024 11:48

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 04/24/2024 13:06

Lab File ID: 25_78-144.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin1		0.0198		0.362	0.500	-27.6*	20.0
Toxaphene Peak 2	Lin1		0.0210		0.270	0.500	-45.9*	20.0
Toxaphene Peak 3	Lin1		0.0548		0.377	0.500	-24.6*	20.0
Toxaphene Peak 4	Lin1		0.0430		0.460	0.500	-8.1	20.0
Toxaphene Peak 5	Lin1		0.0444		0.607	0.500	21.4*	20.0

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: 7_174-174.D

Lab ID: 480-219687-6 MSD Client ID: SB-11-44.5-45.0-050824 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
PCB-1016	2.91	3.56	122	23	50	50-177	
PCB-1260	2.91	3.90	134	19	50	33-200	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Denver Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	M242FTS #	13C5PHA #	C3PFBS #	HFPODA #	C4PFHA #	M262FTS #
SB-07-21.0-21.5-05 0724	480-219611-1	67	93	101	85	87	86	84	104
	MB 280-653716/1-A	36	88	110	79	88	93	88	100
	LCS 280-653716/3-A	23	84	86	81	77	71	79	87
	LLCS 280-653716/2-A	82	80	93	83	82	80	77	99

	QC LIMITS
PFBA = 13C4 PFBA	20-150
PFPeA = 13C5 PFPeA	20-150
M242FTS = M2-4:2 FTS	20-150
13C5PHA = 13C5 PFHxA	20-150
C3PFBS = 13C3 PFBS	20-150
HFPODA = 13C3 HFPO-DA	20-150
C4PFHA = 13C4 PFHpA	20-150
M262FTS = M2-6:2 FTS	20-150

Column to be used to flag recovery values

FORM II Draft 1633

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Denver Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	13C7PUA #	PFOSA #	PFDoA #	PFTDA #	NMFM #	d3NMFSA #	NEFM #	d5NPFSA #
SB-07-21.0-21.5-05 0724	480-219611-1	80	66	55	66	45	43	48	44
	MB 280-653716/1-A	72	69	59	52	45	45	41	40
	LCS 280-653716/3-A	82	65	62	59	41	46	45	44
	LLCS 280-653716/2-A	71	64	51	44	37	37	40	36

	QC LIMITS
13C7PUA = 13C7 PFUnA	20-150
PFOSA = 13C8 FOSA	20-150
PFDoA = 13C2 PFDoA	20-150
PFTDA = 13C2 PFTeDA	20-150
NMFM = d7-N-MeFOSE-M	20-150
d3NMFSA = d3-NMePFOSA	20-150
NEFM = d9-N-EtFOSE-M	20-150
d5NPFSA = d5-NEtPFOSA	20-150

Column to be used to flag recovery values

FORM II Draft 1633

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Denver Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low

GC Column (1): Gemini C18 ID: 3 (mm)

Client Sample ID	Lab Sample ID	13C7PUA	#	PFOSA	#	PFDoA	#	PFTDA	#	NMFM	#	d3NMFSA	#	NEFM	#	d5NPFSA	#
SB-09-33.5-34.0-050824	480-219687-2	82		71		70		66		43		45		46		43	
SB-11-44.5-45.0-050824	480-219687-6	68		58		53		55		42		43		42		42	
DUP-01-050824	480-219687-7	76		71		58		63		46		47		45		45	
	MB 280-653714/1-A	79		74		70		56		46		47		43		44	
	LCS 280-653714/3-A	76		74		69		80		58		55		61		53	
	LLCS 280-653714/2-A	80		76		73		59		50		50		55		50	
SB-11-44.5-45.0-050824 MS	480-219687-6 MS	64		58		54		51		37		40		40		40	
SB-11-44.5-45.0-050824 MSD	480-219687-6 MSD	67		63		56		49		40		42		42		39	

	QC LIMITS
13C7PUA = 13C7 PFUnA	20-150
PFOSA = 13C8 FOSA	20-150
PFDoA = 13C2 PFDoA	20-150
PFTDA = 13C2 PFTeDA	20-150
NMFM = d7-N-MeFOSE-M	20-150
d3NMFSA = d3-NMePFOSA	20-150
NEFM = d9-N-EtFOSE-M	20-150
d5NPFSA = d5-NEtPFOSA	20-150

Column to be used to flag recovery values

FORM II Draft 1633

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Denver Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: 2024.05.20a.023.d

Lab ID: LCS 280-653714/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	3.20	3.08	96	40-150	
Perfluoropentanoic acid (PFPeA)	3.20	2.86	89	40-150	I
Perfluorohexanoic acid (PFHxA)	3.20	3.27	102	40-150	
Perfluoroheptanoic acid (PFHpA)	3.20	2.83	88	40-150	
Perfluorooctanoic acid (PFOA)	3.20	2.68	84	40-150	
Perfluorononanoic acid (PFNA)	3.20	3.07	96	40-150	
Perfluorodecanoic acid (PFDA)	3.20	3.24	101	40-150	
Perfluoroundecanoic acid (PFUnA)	3.20	3.56	111	40-150	
Perfluorododecanoic acid (PFDoA)	3.20	3.94	123	40-150	
Perfluorotridecanoic acid (PFTriA)	3.20	3.32	104	40-150	
Perfluorotetradecanoic acid (PFTeDA)	3.20	2.93	92	40-150	
Perfluorobutanesulfonic acid (PFBS)	2.84	3.02	106	40-150	
Perfluoropentanesulfonic acid (PFPeS)	3.00	2.64	88	40-150	
Perfluorohexanesulfonic acid (PFHxS)	2.92	3.00	103	40-150	
Perfluoroheptanesulfonic acid (PFHpS)	3.05	2.81	92	40-150	
Perfluorooctanesulfonic acid (PFOS)	2.98	2.79	94	40-150	
Perfluorononanesulfonic acid (PFNS)	3.08	2.91	95	40-150	
Perfluorodecanesulfonic acid (PFDS)	3.08	2.64	86	40-150	
Perfluorododecanesulfonic acid (PFDoS)	3.10	2.34	75	40-150	
4:2 FTS	7.98	7.05	88	40-150	
6:2 FTS	12.1	12.1	100	40-150	
8:2 FTS	12.3	11.6	95	40-150	
Perfluorooctanesulfonamide (PFOSA)	3.20	2.93	92	40-150	I
NMeFOSA	3.20	3.40	106	40-150	
NEtFOSA	3.20	3.51	110	40-150	
NMeFOSAA	3.20	3.04	95	40-150	
NEtFOSAA	3.20	3.56	111	40-150	

Column to be used to flag recovery and RPD values

FORM III Draft 1633

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Denver Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: 2024.05.20a.051.d

Lab ID: LCS 280-653716/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	3.08	2.98	97	40-150	
Perfluoropentanoic acid (PFPeA)	3.08	3.01	98	40-150	
Perfluorohexanoic acid (PFHxA)	3.08	3.00	97	40-150	
Perfluoroheptanoic acid (PFHpA)	3.08	2.93	95	40-150	
Perfluorooctanoic acid (PFOA)	3.08	2.48	81	40-150	
Perfluorononanoic acid (PFNA)	3.08	3.02	98	40-150	
Perfluorodecanoic acid (PFDA)	3.08	2.87	93	40-150	
Perfluoroundecanoic acid (PFUnA)	3.08	2.60	84	40-150	
Perfluorododecanoic acid (PFDoA)	3.08	3.13	102	40-150	
Perfluorotridecanoic acid (PFTriA)	3.08	2.71	88	40-150	
Perfluorotetradecanoic acid (PFTeDA)	3.08	2.90	94	40-150	
Perfluorobutanesulfonic acid (PFBS)	2.73	3.04	111	40-150	
Perfluoropentanesulfonic acid (PFPeS)	2.89	2.63	91	40-150	
Perfluorohexanesulfonic acid (PFHxS)	2.81	3.06	109	40-150	
Perfluoroheptanesulfonic acid (PFHpS)	2.93	2.70	92	40-150	
Perfluorooctanesulfonic acid (PFOS)	2.86	2.76	96	40-150	
Perfluorononanesulfonic acid (PFNS)	2.96	2.67	90	40-150	
Perfluorodecanesulfonic acid (PFDS)	2.97	2.19	74	40-150	
Perfluorododecanesulfonic acid (PFDoS)	2.98	1.97	66	40-150	
4:2 FTS	7.67	7.08	92	40-150	
6:2 FTS	11.7	10.8	93	40-150	
8:2 FTS	11.8	10.9	93	40-150	
Perfluorooctanesulfonamide (PFOSA)	3.08	2.65	86	40-150	
NMeFOSA	3.08	3.37	109	40-150	
NEtFOSA	3.08	3.44	112	40-150	
NMeFOSAA	3.08	2.97	97	40-150	
NEtFOSAA	3.08	3.08	100	40-150	

Column to be used to flag recovery and RPD values

FORM III Draft 1633

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Denver Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: 2024.05.20a.022.d

Lab ID: LLCS 280-653714/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LLCS CONCENTRATION (ug/Kg)	LLCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	0.320	0.342 J	107	40-150	
Perfluoropentanoic acid (PFPeA)	0.320	0.344 J	108	40-150	
Perfluorohexanoic acid (PFHxA)	0.320	0.360	113	40-150	
Perfluoroheptanoic acid (PFHpA)	0.320	0.336	105	40-150	
Perfluorooctanoic acid (PFOA)	0.320	0.295	92	40-150	
Perfluorononanoic acid (PFNA)	0.320	0.304	95	40-150	
Perfluorodecanoic acid (PFDA)	0.320	0.323	101	40-150	
Perfluoroundecanoic acid (PFUnA)	0.320	0.377	118	40-150	
Perfluorododecanoic acid (PFDoA)	0.320	0.332	104	40-150	
Perfluorotridecanoic acid (PFTriA)	0.320	0.289	90	40-150	
Perfluorotetradecanoic acid (PFTeDA)	0.320	0.301	94	40-150	
Perfluorobutanesulfonic acid (PFBS)	0.284	0.325	114	40-150	
Perfluoropentanesulfonic acid (PFPeS)	0.300	0.295	98	40-150	
Perfluorohexanesulfonic acid (PFHxS)	0.292	0.317	109	40-150	
Perfluoroheptanesulfonic acid (PFHpS)	0.305	0.318	104	40-150	
Perfluorooctanesulfonic acid (PFOS)	0.298	0.300	101	40-150	
Perfluorononanesulfonic acid (PFNS)	0.308	0.296	96	40-150	
Perfluorodecanesulfonic acid (PFDS)	0.308	0.271	88	40-150	
Perfluorododecanesulfonic acid (PFDoS)	0.310	0.213	69	40-150	
4:2 FTS	0.798	0.719 J	90	40-150	
6:2 FTS	1.21	1.39	115	40-150	
8:2 FTS	1.23	1.19	97	40-150	
Perfluorooctanesulfonamide (PFOSA)	0.320	0.325	102	40-150	
NMeFOSA	0.320	0.380	119	40-150	
NEtFOSA	0.320	0.392	123	40-150	
NMeFOSAA	0.320	0.296	93	40-150	
NEtFOSAA	0.320	0.345	108	40-150	

Column to be used to flag recovery and RPD values

FORM III Draft 1633

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Denver Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: 2024.05.20a.050.d

Lab ID: LLCS 280-653716/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LLCS CONCENTRATION (ug/Kg)	LLCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	0.314	0.423 J	135	40-150	
Perfluoropentanoic acid (PFPeA)	0.314	0.336 J	107	40-150	
Perfluorohexanoic acid (PFHxA)	0.314	0.296	94	40-150	
Perfluoroheptanoic acid (PFHpA)	0.314	0.307	98	40-150	
Perfluorooctanoic acid (PFOA)	0.314	0.276	88	40-150	
Perfluorononanoic acid (PFNA)	0.314	0.316	101	40-150	
Perfluorodecanoic acid (PFDA)	0.314	0.344	110	40-150	
Perfluoroundecanoic acid (PFUnA)	0.314	0.318	101	40-150	
Perfluorododecanoic acid (PFDoA)	0.314	0.358	114	40-150	
Perfluorotridecanoic acid (PFTriA)	0.314	0.292	93	40-150	
Perfluorotetradecanoic acid (PFTeDA)	0.314	0.282	90	40-150	
Perfluorobutanesulfonic acid (PFBS)	0.279	0.330	119	40-150	
Perfluoropentanesulfonic acid (PFPeS)	0.294	0.248	84	40-150	
Perfluorohexanesulfonic acid (PFHxS)	0.286	0.314	110	40-150	
Perfluoroheptanesulfonic acid (PFHpS)	0.299	0.304	102	40-150	
Perfluorooctanesulfonic acid (PFOS)	0.292	0.288	99	40-150	
Perfluorononanesulfonic acid (PFNS)	0.302	0.254	84	40-150	
Perfluorodecanesulfonic acid (PFDS)	0.302	0.209	69	40-150	
Perfluorododecanesulfonic acid (PFDoS)	0.304	0.174 J	57	40-150	
4:2 FTS	0.782	0.755 J	97	40-150	
6:2 FTS	1.19	1.07	90	40-150	
8:2 FTS	1.20	1.18	98	40-150	
Perfluorooctanesulfonamide (PFOSA)	0.314	0.303	96	40-150	
NMeFOSA	0.314	0.404	129	40-150	
NEtFOSA	0.314	0.344	110	40-150	
NMeFOSAA	0.314	0.281	90	40-150	
NEtFOSAA	0.314	0.356	113	40-150	

Column to be used to flag recovery and RPD values

FORM III Draft 1633

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Denver Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: 2024.05.20a.050.d

Lab ID: LLCS 280-653716/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LLCS CONCENTRATION (ug/Kg)	LLCS % REC	QC LIMITS REC	#
NMeFOSE	1.57	1.74 J	111	40-150	
NEtFOSE	3.14	2.98	95	40-150	
HFPO-DA (GenX)	0.314	0.280 J	89	40-150	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.296	0.301 J	102	40-150	
PFMBA	0.627	0.623	99	40-150	
NFDHA	0.314	0.225 J	72	40-150	
PFMPA	0.627	0.610	97	40-150	
9Cl-PF3ONS	0.780	0.606 J	78	40-150	
11Cl-PF3OUdS	0.789	0.514 J	65	40-150	
PFEESA	0.560	0.602	108	40-150	
3:3 FTCA	1.57	1.22	78	40-150	
5:3 FTCA	3.14	2.61 J	83	40-150	
7:3 FTCA	3.14	2.61 J	83	40-150	
13C4 PFBA	9.80	8.03	82	20-150	
13C5 PFPeA	4.90	3.90	80	20-150	
13C5 PFHxA	2.45	2.04	83	20-150	
13C4 PFHpA	2.45	1.88	77	20-150	
13C8 PFOA	2.45	2.04	83	20-150	
13C9 PFNA	1.23	0.929	76	20-150	
13C6 PFDA	1.23	0.903	74	20-150	
13C7 PFUnA	1.23	0.870	71	20-150	
13C2 PFDoA	1.23	0.627	51	20-150	
13C2 PFTeDA	1.23	0.542	44	20-150	
13C3 PFBS	2.28	1.86	82	20-150	
13C3 PFHxS	2.32	2.16	93	20-150	
13C8 PFOS	2.34	1.71	73	20-150	
13C8 FOSA	2.45	1.56	64	20-150	
d3-NMeFOSAA	4.90	3.82	78	20-150	
d5-NEtFOSAA	4.90	3.04	62	20-150	
M2-4:2 FTS	4.58	4.25	93	20-150	
M2-6:2 FTS	4.66	4.62	99	20-150	
M2-8:2 FTS	4.70	4.38	93	20-150	
13C3 HFPO-DA	9.80	7.87	80	20-150	
d7-N-MeFOSE-M	24.5	9.12	37	20-150	
d9-N-EtFOSE-M	24.5	9.90	40	20-150	
d5-NEtPFOSA	2.45	0.886	36	20-150	
d3-NMePFOSA	2.45	0.918	37	20-150	

Column to be used to flag recovery and RPD values

FORM III Draft 1633

FORM III
PFAS MATRIX SPIKE RECOVERY

Lab Name: Eurofins Denver Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: 2024.05.20a.042.d

Lab ID: 480-219687-6 MS Client ID: SB-11-44.5-45.0-050824 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	4.70	1.2 U	4.66	99	40-150	
Perfluoropentanoic acid (PFPeA)	4.70	0.59 U	4.31	92	40-150	
Perfluorohexanoic acid (PFHxA)	4.70	0.29 U	4.50	96	40-150	
Perfluoroheptanoic acid (PFHpA)	4.70	0.29 U	4.38	93	40-150	
Perfluorooctanoic acid (PFOA)	4.70	0.29 U	4.25	90	40-150	
Perfluorononanoic acid (PFNA)	4.70	0.29 U	4.58	97	40-150	
Perfluorodecanoic acid (PFDA)	4.70	0.29 U	4.96	106	40-150	
Perfluoroundecanoic acid (PFUnA)	4.70	0.29 U	4.82	103	40-150	
Perfluorododecanoic acid (PFDoA)	4.70	0.29 U	5.86	125	40-150	
Perfluorotridecanoic acid (PFTriA)	4.70	0.29 U	4.86	103	40-150	
Perfluorotetradecanoic acid (PFTeDA)	4.70	0.29 U	4.50	96	40-150	
Perfluorobutanesulfonic acid (PFBS)	4.17	0.29 U	4.38	105	40-150	
Perfluoropentanesulfonic acid (PFPeS)	4.41	0.29 U	4.01	91	40-150	
Perfluorohexanesulfonic acid (PFHxS)	4.28	0.29 U	4.31	101	40-150	
Perfluoroheptanesulfonic acid (PFHpS)	4.47	0.29 U	4.32	97	40-150	
Perfluorooctanesulfonic acid (PFOS)	4.37	0.29 U	4.11	94	40-150	
Perfluorononanesulfonic acid (PFNS)	4.52	0.29 U	3.98	88	40-150	
Perfluorodecanesulfonic acid (PFDS)	4.53	0.29 U	3.30	73	40-150	
Perfluorododecanesulfonic acid (PFDoS)	4.56	0.29 U	2.99	66	40-150	
4:2 FTS	11.7	1.2 U	10.7	92	40-150	
6:2 FTS	17.8	1.2 U	17.1	96	40-150	
8:2 FTS	18.0	1.2 U	16.9	94	40-150	
Perfluorooctanesulfonamide (PFOSA)	4.70	0.29 U	4.34	92	40-150	
NMeFOSA	4.70	0.29 U	5.39	115	40-150	
NEtFOSA	4.70	0.29 U	5.10	109	40-150	
NMeFOSAA	4.70	0.29 U	4.32	92	40-150	
NEtFOSAA	4.70	0.29 U	4.80	102	40-150	

Column to be used to flag recovery and RPD values

FORM III Draft 1633

FORM III
PFAS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Denver Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Level: Low Lab File ID: 2024.05.20a.043.d

Lab ID: 480-219687-6 MSD Client ID: SB-11-44.5-45.0-050824 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	4.70	4.70	100	1	30	40-150	
Perfluoropentanoic acid (PFPeA)	4.70	4.53	96	5	30	40-150	
Perfluorohexanoic acid (PFHxA)	4.70	4.55	97	1	30	40-150	
Perfluoroheptanoic acid (PFHpA)	4.70	4.59	98	5	30	40-150	
Perfluorooctanoic acid (PFOA)	4.70	4.14	88	3	30	40-150	
Perfluorononanoic acid (PFNA)	4.70	4.19	89	9	30	40-150	
Perfluorodecanoic acid (PFDA)	4.70	6.04	129	20	30	40-150	
Perfluoroundecanoic acid (PFUnA)	4.70	4.11	88	16	30	40-150	
Perfluorododecanoic acid (PFDoA)	4.70	4.64	99	23	30	40-150	
Perfluorotridecanoic acid (PFTriA)	4.70	4.39	94	10	30	40-150	
Perfluorotetradecanoic acid (PFTeDA)	4.70	4.63	98	3	30	40-150	
Perfluorobutanesulfonic acid (PFBS)	4.17	4.31	103	2	30	40-150	
Perfluoropentanesulfonic acid (PFPeS)	4.41	4.15	94	4	30	40-150	
Perfluorohexanesulfonic acid (PFHxS)	4.28	4.73	110	9	30	40-150	
Perfluoroheptanesulfonic acid (PFHpS)	4.47	4.44	99	3	30	40-150	
Perfluorooctanesulfonic acid (PFOS)	4.37	4.42	101	7	30	40-150	
Perfluorononanesulfonic acid (PFNS)	4.52	4.06	90	2	30	40-150	
Perfluorodecanesulfonic acid (PFDS)	4.53	3.58	79	8	30	40-150	
Perfluorododecanesulfonic acid (PFDoS)	4.56	3.12	69	4	30	40-150	
4:2 FTS	11.7	11.2	95	4	30	40-150	
6:2 FTS	17.8	15.7	88	9	30	40-150	
8:2 FTS	18.0	16.8	93	0	30	40-150	
Perfluorooctanesulfonamide (PFOSA)	4.70	4.15	88	4	30	40-150	
NMeFOSA	4.70	5.07	108	6	30	40-150	
NEtFOSA	4.70	5.05	108	1	30	40-150	
NMeFOSAA	4.70	4.44	95	3	30	40-150	
NEtFOSAA	4.70	4.52	96	6	30	40-150	

Column to be used to flag recovery and RPD values

FORM III Draft 1633

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

ICV Source: MEI_10_CCVL_00520 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00520

Analyte	ICVL 480-711454/8 05/09/2024 13:23				CCVL 480-711454/198 05/09/2024 21:43				CCVL 480-711454/210 05/09/2024 22:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.216		0.200	108	0.218		0.200	109	0.203		0.200	101
Antimony	0.0172	J	0.0200	86	0.0163	J	0.0200	81	0.0188	J	0.0200	94
Arsenic	0.0150		0.0150	100	0.0127	J	0.0150	85	0.0136	J	0.0150	91
Barium	0.00223		0.00200	112	0.00210		0.00200	105	0.00217		0.00200	109
Beryllium	0.00210		0.00200	105	0.00207		0.00200	104	0.00207		0.00200	103
Cadmium	0.00177	J	0.00200	88	0.00170	J	0.00200	85	0.00172	J	0.00200	86
Calcium	0.539		0.500	108	0.558		0.500	112	0.534		0.500	107
Chromium	0.00433		0.00400	108	0.00419		0.00400	105	0.00420		0.00400	105
Cobalt	0.00413		0.00400	103	0.00409		0.00400	102	0.00383	J	0.00400	96
Copper	0.00916	J	0.0100	92	0.00931	J	0.0100	93	0.00844	J	0.0100	84
Iron	0.0545		0.0500	109	0.0530		0.0500	106	0.0505		0.0500	101
Lead	0.00831	J	0.0100	83	0.00841	J	0.0100	84	0.00879	J	0.0100	88
Magnesium	0.207		0.200	104	0.216		0.200	108	0.206		0.200	103
Manganese	0.00341		0.00300	114	0.00328		0.00300	109	0.00317		0.00300	106
Nickel	0.0114		0.0100	114	0.0114		0.0100	114	0.0103		0.0100	103
Potassium	0.547		0.500	109	0.542		0.500	108	0.527		0.500	105
Selenium	0.0242	J	0.0250	97	0.0256		0.0250	102	0.0210	J	0.0250	84
Silver	0.00592	J	0.00600	99	0.00579	J	0.00600	96	0.00538	J	0.00600	90
Sodium	1.09		1.01	108	1.10		1.01	109	1.06		1.01	105
Thallium	0.0204		0.0200	102	0.0182	J	0.0200	91	0.0173	J	0.0200	87
Vanadium	0.00524		0.00500	105	0.00514		0.00500	103	0.00503		0.00500	101
Zinc	0.0119		0.0100	119	0.0119		0.0100	119	0.0114		0.0100	114

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

ICV Source: MEI_10_CCVL_00520 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00520

Analyte	CCVL 480-711454/222 05/09/2024 22:29				CCVL 480-711454/234 05/09/2024 22:52							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.211		0.200	105	0.199	J	0.200	99				
Antimony	0.0233		0.0200	117	0.0189	J	0.0200	94				
Arsenic	0.0135	J	0.0150	90	0.0137	J	0.0150	91				
Barium	0.00217		0.00200	109	0.00211		0.00200	105				
Beryllium	0.00210		0.00200	105	0.00205		0.00200	103				
Cadmium	0.00195	J	0.00200	97	0.00189	J	0.00200	95				
Calcium	0.553		0.500	111	0.538		0.500	108				
Chromium	0.00421		0.00400	105	0.00451		0.00400	113				
Cobalt	0.00407		0.00400	102	0.00327	J	0.00400	82				
Copper	0.00907	J	0.0100	91	0.00835	J	0.0100	83				
Iron	0.0528		0.0500	106	0.0622		0.0500	124				
Lead	0.0112		0.0100	112	0.00819	J	0.0100	82				
Magnesium	0.211		0.200	105	0.205		0.200	103				
Manganese	0.00332		0.00300	111	0.00338		0.00300	113				
Nickel	0.0108		0.0100	108	0.0104		0.0100	104				
Potassium	0.528		0.500	106	0.515		0.500	103				
Selenium	0.0227	J	0.0250	91	0.0211	J	0.0250	85				
Silver	0.00586	J	0.00600	98	0.00547	J	0.00600	91				
Sodium	1.08		1.01	107	1.04		1.01	104				
Thallium	0.0203		0.0200	102	0.0184	J	0.0200	92				
Vanadium	0.00523		0.00500	105	0.00488	J	0.00500	98				
Zinc	0.0118		0.0100	118	0.0116		0.0100	116				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

ICV Source: MEI_10_CCVL_00520 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00520

Analyte	ICVL 480-711880/8 05/13/2024 12:57				CCVL 480-711880/42 05/13/2024 14:07				CCVL 480-711880/54 05/13/2024 14:48			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.207		0.200	103	0.199	J	0.200	100	0.208		0.200	104
Antimony	0.0207		0.0200	103	0.0191	J	0.0200	95	0.0214		0.0200	107
Arsenic	0.0156		0.0150	104	0.0135	J	0.0150	90	0.0139	J	0.0150	93
Barium	0.00216		0.00200	108	0.00206		0.00200	103	0.00208		0.00200	104
Beryllium	0.00207		0.00200	104	0.00203		0.00200	102	0.00205		0.00200	102
Cadmium	0.00222		0.00200	111	0.00216		0.00200	108	0.00196	J	0.00200	98
Calcium	0.522		0.500	104	0.510		0.500	102	0.520		0.500	104
Chromium	0.00426		0.00400	106	0.00421		0.00400	105	0.00432		0.00400	108
Cobalt	0.00392	J	0.00400	98	0.00393	J	0.00400	98	0.00388	J	0.00400	97
Copper	0.00881	J	0.0100	88	0.00857	J	0.0100	86	0.00861	J	0.0100	86
Iron	0.0535		0.0500	107	0.0532		0.0500	106	0.0535		0.0500	107
Lead	0.00964	J	0.0100	96	0.00857	J	0.0100	86	0.00860	J	0.0100	86
Magnesium	0.202		0.200	101	0.195	J	0.200	97	0.213		0.200	106
Manganese	0.00360		0.00300	120	0.00317		0.00300	106	0.00331		0.00300	110
Nickel	0.0102		0.0100	102	0.00996	J	0.0100	100	0.0101		0.0100	101
Potassium	0.522		0.500	104	0.490	J	0.500	98	0.538		0.500	108
Selenium	0.0263		0.0250	105	0.0218	J	0.0250	87	0.0252		0.0250	101
Silver	0.00574	J	0.00600	96	0.00551	J	0.00600	92	0.00570	J	0.00600	95
Sodium	1.04		1.01	103	1.02		1.01	101	1.03		1.01	103
Thallium	0.0181	J	0.0200	91	0.0176	J	0.0200	88	0.0185	J	0.0200	93
Vanadium	0.00518		0.00500	104	0.00520		0.00500	104	0.00503		0.00500	101
Zinc	0.0112		0.0100	112	0.0111		0.0100	111	0.0116		0.0100	116

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

ICV Source: MEI_10_CCVL_00520 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00520

Analyte	CCVL 480-711880/66 05/13/2024 15:37											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.193	J	0.200	97								
Antimony	0.0222		0.0200	111								
Arsenic	0.0125	J	0.0150	83								
Barium	0.00206		0.00200	103								
Beryllium	0.00207		0.00200	104								
Cadmium	0.00234		0.00200	117								
Calcium	0.517		0.500	103								
Chromium	0.00398	J	0.00400	100								
Cobalt	0.00368	J	0.00400	92								
Copper	0.00903	J	0.0100	90								
Iron	0.0531		0.0500	106								
Lead	0.00923	J	0.0100	92								
Magnesium	0.204		0.200	102								
Manganese	0.00334		0.00300	111								
Nickel	0.0102		0.0100	102								
Potassium	0.502		0.500	100								
Selenium	0.0250		0.0250	100								
Silver	0.00560	J	0.00600	93								
Sodium	1.03		1.01	102								
Thallium	0.0198	J	0.0200	99								
Vanadium	0.00495	J	0.00500	99								
Zinc	0.0113		0.0100	113								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Concentration Units: mg/Kg Lab Sample ID: MB 480-711177/1-A

Instrument Code: ICAP3 Batch No.: 711454

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	10.6	U		6010D
7440-36-0	Antimony	15.8	U		6010D
7440-38-2	Arsenic	2.1	U		6010D
7440-39-3	Barium	0.53	U		6010D
7440-41-7	Beryllium	0.21	U		6010D
7440-43-9	Cadmium	0.21	U		6010D
7440-70-2	Calcium	3.79	J		6010D
7440-47-3	Chromium	0.53	U		6010D
7440-48-4	Cobalt	0.53	U		6010D
7440-50-8	Copper	1.1	U		6010D
7439-89-6	Iron	5.06	J		6010D
7439-92-1	Lead	1.1	U		6010D
7439-95-4	Magnesium	21.1	U		6010D
7439-96-5	Manganese	0.0601	J		6010D
7440-02-0	Nickel	5.3	U		6010D
7440-09-7	Potassium	31.7	U		6010D
7782-49-2	Selenium	4.2	U		6010D
7440-22-4	Silver	0.63	U		6010D
7440-23-5	Sodium	148	U		6010D
7440-28-0	Thallium	6.3	U		6010D
7440-62-2	Vanadium	0.53	U		6010D
7440-66-6	Zinc	2.1	U		6010D

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Concentration Units: mg/Kg Lab Sample ID: MB 480-711592/1-A

Instrument Code: ICAP3 Batch No.: 711880

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	10.0	U		6010D
7440-36-0	Antimony	15.0	U		6010D
7440-38-2	Arsenic	2.0	U		6010D
7440-39-3	Barium	0.50	U		6010D
7440-41-7	Beryllium	0.20	U		6010D
7440-43-9	Cadmium	0.0535	J		6010D
7440-70-2	Calcium	3.31	J		6010D
7440-47-3	Chromium	0.50	U		6010D
7440-48-4	Cobalt	0.50	U		6010D
7440-50-8	Copper	1.0	U		6010D
7439-89-6	Iron	10.0	U		6010D
7439-92-1	Lead	1.0	U		6010D
7439-95-4	Magnesium	20.0	U		6010D
7439-96-5	Manganese	0.0957	J		6010D
7440-02-0	Nickel	5.0	U		6010D
7440-09-7	Potassium	30.0	U		6010D
7782-49-2	Selenium	4.0	U		6010D
7440-22-4	Silver	0.60	U		6010D
7440-23-5	Sodium	140	U		6010D
7440-28-0	Thallium	6.0	U		6010D
7440-62-2	Vanadium	0.50	U		6010D
7440-66-6	Zinc	2.0	U		6010D

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Lab Sample ID: ICSA 480-711454/9 Instrument ID: ICAP3

Lab File ID: I320240509F.csv ICS Source: MEI_MSS_ICSA_00063

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500**	**496**	**99**
Antimony		**-0.0023**	
Arsenic		**-0.0001**	
Barium	**0.0120**	**0.0013**	
Beryllium		**0.0000**	
Cadmium		**0.0001**	
Calcium	**500**	**466**	**93**
Chromium		**0.0021**	
Cobalt		**0.0010**	
Copper		**0.0003**	
Iron	**200**	**163**	**82**
Lead		**-0.0036**	
Magnesium	**500**	**508**	**102**
Manganese		**0.0015**	
Nickel		**-0.0005**	
Potassium		**0.0114**	
Selenium		**-0.0076**	
Silver		**0.0013**	
Sodium		**0.0773**	
Thallium		**0.0035**	
Vanadium		**0.0001**	
Zinc		**0.0016**	
Boron		*0.0014*	
Lithium		*0.0029*	
Molybdenum		*-0.0017*	
Strontium		*0.0033*	
Tin		*-0.0005*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Lab Sample ID: ICSAB 480-711880/10 Instrument ID: ICAP3

Lab File ID: I320240513C.csv ICS Source: MEI_MSS_ICSAB_00064

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	**500**	**501**	**100**
Antimony	**0.500**	**0.507**	**101**
Arsenic	**0.500**	**0.486**	**97**
Barium	**0.513**	**0.496**	**97**
Beryllium	**0.250**	**0.250**	**100**
Cadmium	**0.500**	**0.505**	**101**
Calcium	**500**	**467**	**93**
Chromium	**0.500**	**0.475**	**95**
Cobalt	**0.500**	**0.483**	**97**
Copper	**0.500**	**0.530**	**106**
Iron	**200**	**165**	**83**
Lead	**0.500**	**0.491**	**98**
Magnesium	**500**	**515**	**103**
Manganese	**0.501**	**0.465**	**93**
Nickel	**0.501**	**0.482**	**96**
Potassium	**5.00**	**5.00**	**100**
Selenium	**0.500**	**0.476**	**95**
Silver	**0.500**	**0.507**	**101**
Sodium	**5.00**	**5.21**	**104**
Thallium	**0.500**	**0.497**	**99**
Vanadium	**0.500**	**0.485**	**97**
Zinc	**0.501**	**0.450**	**90**
Boron	*5.00*	*4.89*	*98*
Lithium		*0.0023*	
Molybdenum	*0.500*	*0.483*	*97*
Strontium	*0.500*	*0.497*	*99*
Tin	*0.500*	*0.495*	*99*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: SB-11-44.5-45.0-050824 MS Lab ID: 480-219687-6 MS

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Concentration Units: mg/Kg

% Solids: 64.3

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	33460		26900		1540	427	75-125	4	6010D
Antimony	44.39		23.4	U	151	29	75-125	F1	6010D
Arsenic	247.5		5.1		302	80	75-125		6010D
Barium	451.0		213		302	79	75-125		6010D
Beryllium	132.0		1.4		151	86	75-125		6010D
Cadmium	129.2		0.21	J	151	85	75-125		6010D
Calcium	31290		32200		7550	-11	75-125	4	6010D
Chromium	159.9		27.3		151	88	75-125		6010D
Cobalt	171.1		17.4		151	102	75-125		6010D
Copper	161.2		25.6		151	90	75-125		6010D
Iron	26170		26700		1540	-34	75-125	4	6010D
Lead	159.0		13.0		151	97	75-125		6010D
Magnesium	16950		11600		7550	70	75-125	F1	6010D
Manganese	661.2		630		151	21	75-125	4	6010D
Nickel	187.5		34.9		151	101	75-125		6010D
Potassium	14510		6490		7550	106	75-125		6010D
Selenium	226.8		6.2	U	302	75	75-125		6010D
Silver	11.70		0.31	J	15.1	77	75-125		6010D
Sodium	6149		578		7550	74	75-125	F1	6010D
Thallium	303.0		9.4	U	302	100	75-125		6010D
Vanadium	180.8		44.5		151	90	75-125		6010D
Zinc	175.7		77.3		151	65	75-125	F1	6010D
Mercury	0.541		0.028	J	0.501	103	80-120		7471B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: SB-11-44.5-45.0-050824 MSD Lab ID: 480-219687-6 MSD

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Concentration Units: mg/Kg

% Solids: 64.3

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	36110		1650	560	75-125	8	20	4	6010D
Antimony	48.19		162	30	75-125	8	20	F1	6010D
Arsenic	265.0		323	80	75-125	7	20		6010D
Barium	492.2		323	86	75-125	9	20		6010D
Beryllium	141.0		162	86	75-125	7	20		6010D
Cadmium	138.7		162	86	75-125	7	20		6010D
Calcium	32350		8080	2	75-125	3	20	F1	6010D
Chromium	171.2		162	89	75-125	7	20		6010D
Cobalt	180.3		162	101	75-125	5	20		6010D
Copper	171.8		162	91	75-125	6	20		6010D
Iron	28310		1650	98	75-125	8	20	4	6010D
Lead	169.5		162	97	75-125	6	20		6010D
Magnesium	18100		8080	80	75-125	7	20		6010D
Manganese	716.5		162	54	75-125	8	20	F1	6010D
Nickel	199.4		162	102	75-125	6	20		6010D
Potassium	15360		8080	110	75-125	6	20		6010D
Selenium	243.7		323	75	75-125	7	20		6010D
Silver	12.43		16.2	77	75-125	6	20		6010D
Sodium	6488		8080	73	75-125	5	20	F1	6010D
Thallium	318.6		323	99	75-125	5	20		6010D
Vanadium	192.2		162	91	75-125	6	20		6010D
Zinc	189.6		162	70	75-125	8	20	F1	6010D
Mercury	0.556		0.520	102	80-120	3	20		7471B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: SB-11-44.5-45.0-050824 PDS Lab ID: 480-219687-6 PDS

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	27970		26900		1590	NC	75-125		6010D
Antimony	122.5		23.4	U	156	78	75-125		6010D
Arsenic	245.3		5.1		312	77	75-125		6010D
Barium	457.5		213		312	78	75-125		6010D
Beryllium	129.3		1.4		156	82	75-125		6010D
Cadmium	126.4		0.21	J	156	81	75-125		6010D
Calcium	37470		32200		7810	68	75-125	W	6010D
Chromium	151.2		27.3		156	79	75-125		6010D
Cobalt	170.6		17.4		156	98	75-125		6010D
Copper	160.8		25.6		156	87	75-125		6010D
Iron	27380		26700		1590	NC	75-125		6010D
Lead	165.6		13.0		156	98	75-125		6010D
Magnesium	17850		11600		7810	79	75-125		6010D
Manganese	738.1		630		156	69	75-125	W	6010D
Nickel	187.5		34.9		156	98	75-125		6010D
Potassium	12810		6490		7810	81	75-125		6010D
Selenium	225.4		6.2	U	312	72	75-125	W	6010D
Silver	8.12		0.31	J	15.6	52	75-125	W	6010D
Sodium	6929		578		7810	81	75-125		6010D
Thallium	300.9		9.4	U	312	96	75-125		6010D
Vanadium	168.9		44.5		156	80	75-125		6010D
Zinc	192.7		77.3		156	74	75-125	W	6010D

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 480-711177/2-A

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

Sample Matrix: Solid LCS Source: MED_SRM_D087_00043

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	10600	9619		90.7	52.7	148.1		6010D
Antimony	59.8	93.15		155.8	46.2	633.8		6010D
Arsenic	180	156.1		86.7	70.0	130.0		6010D
Barium	431	379.7		88.1	74.9	125.1		6010D
Beryllium	121	120.2		99.4	74.8	124.8		6010D
Cadmium	199	179.6		90.2	74.9	125.1		6010D
Calcium	5760	5229		90.8	73.6	126.4		6010D
Chromium	210	194.0		92.4	70.0	130.0		6010D
Cobalt	237	228.5		96.4	75.1	124.9		6010D
Copper	229	187.5		81.9	75.1	124.9		6010D
Iron	9280	7551		81.4	18.4	181.0		6010D
Lead	261	242.0		92.7	78.2	121.1		6010D
Magnesium	2520	2134		84.7	63.5	136.5		6010D
Manganese	316	251.1		79.5	74.7	125.0		6010D
Nickel	108	103.4		95.7	69.8	129.6		6010D
Potassium	2100	1868		89.0	70.0	130.0		6010D
Selenium	117	97.39		83.2	65.8	133.3		6010D
Silver	65.5	57.63		88.0	70.5	129.3		6010D
Sodium	442	381.7		86.3	58.6	141.4		6010D
Thallium	144	140.6		97.6	70.1	129.9		6010D
Vanadium	183	151.5		82.8	68.9	119.1		6010D
Zinc	264	235.9		89.4	69.7	129.5		6010D

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 480-711592/2-A

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

Sample Matrix: Solid LCS Source: MED_SRM_D087_00043

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	10600	7816		73.7	52.7	148.1		6010D
Antimony	59.8	70.55		118.0	46.2	633.8		6010D
Arsenic	180	128.2		71.2	70.0	130.0		6010D
Chromium	210	148.4		70.7	70.0	130.0		6010D
Cobalt	237	179.0		75.5	75.1	124.9		6010D
Iron	9280	6101		65.7	18.4	181.0		6010D
Magnesium	2520	1658		65.8	63.5	136.5		6010D
Nickel	108	80.59		74.6	69.8	129.6		6010D
Potassium	2100	1482		70.6	70.0	130.0		6010D
Selenium	117	77.94		66.6	65.8	133.3		6010D
Sodium	442	297.8		67.4	58.6	141.4		6010D
Thallium	144	109.4		76.0	70.1	129.9		6010D

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 480-219687-6

SDG No: 480-219561-1

Lab Name: Eurofins Buffalo Job No: 480-219561-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	26900		35890		34	V	6010D
Antimony	23.4	U	117	U	NC		6010D
Arsenic	5.1		5.98	J	NC		6010D
Barium	213		289.0		35	V	6010D
Beryllium	1.4		1.87		NC		6010D
Cadmium	0.21	J	0.266	J	NC		6010D
Calcium	32200		44530		38	V	6010D
Chromium	27.3		37.50		37	V	6010D
Cobalt	17.4		19.85		NC		6010D
Copper	25.6		30.49		NC		6010D
Iron	26700		44870		68	V	6010D
Lead	13.0		15.54		NC		6010D
Magnesium	11600		15370		32	V	6010D
Manganese	630		871.9		38	V	6010D
Nickel	34.9		39.85		NC		6010D
Potassium	6490		8470		31	V	6010D
Selenium	6.2	U	31.2	U	NC		6010D
Silver	0.31	J	4.7	U	NC		6010D
Sodium	578		768.8	J	NC		6010D
Thallium	9.4	U	46.9	U	NC		6010D
Vanadium	44.5		59.50		34	V	6010D
Zinc	77.3		111.1		NC		6010D

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 711971	Date: 05/14/2024 15:49		Prep Batch: 711943		Date: 05/14/2024 13:15						
9012B	480-219687-6	Cyanide, Total	1.5	U	mg/Kg						F1
9012B	480-219687-6 MS	Cyanide, Total	1.19	J	mg/Kg	1.83	65	85-115			F1

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 711971	Date: 05/14/2024 15:51		Prep Batch: 711943			Date: 05/14/2024 13:15					
9012B	480-219687-6 MSD	Cyanide, Total	1.15	J	mg/Kg	1.81	63	85-115	3	15	F1

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM V-IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
GENERAL CHEMISTRY

Lab Name: Eurofins Buffalo Job No.: 480-219561-1

SDG No.: 480-219561-1

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 711971	Date: 05/14/2024 15:42		Prep Batch: 711943		Date: 05/14/2024 13:15						
					LCS Source: WC_CNsoil_ERA_00034						
9012B	LCSSRM 480-711943/2-A ^10	Cyanide, Total	41.50		mg/Kg	154	27.0	20.6-12	0.8		
Batch ID: 712909	Date: 05/21/2024 16:32		Prep Batch: 712882		Date: 05/21/2024 13:50						
					LCS Source: WC_CNsoil_ERA_00034						
9012B	LCSSRM 480-712882/2-A ^10	Cyanide, Total	44.36		mg/Kg	154	28.8	20.6-12	0.8		

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Silvestri Dry Cleaners
Eurofins Environmental Testing SDG#480-221807-1
November 12, 2024
Revised: November 20, 2024
Sampling date: 7/18/2024

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (revised November 20, 2024) for Ramboll Americas Engineering Solutions, project located at Silvestri Dry Cleaners, SDG#480-221807-1 submitted to Vali-Data of WNY, LLC on August 21, 2024. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG), NYSDEC; 'Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)' (4/2023) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D, 8270D SIM-ID), Pesticide (8081B), PCB (8082A), Inorganics/Mercury (6010C, 7470A), Perfluorinated Hydrocarbons (1633 (12/2022)) and in accordance with wet chemistry methods.

ID	Sample ID	Laboratory ID
1	GW-MW-3-071824	480-221807-1
2	GW-MW-1-071824	480-221807-2
3	GW-PES-2-071824	480-219611-1
4	FD-071824	480-219611-2
5	EB-071824	480-219611-3
6	REAGENT-071824	480-219611-4
7	TB-02-071824	480-219687-1

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the

procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in MS/MSD and Continuing Calibration.

Samples: DUSR ID#3 and #4 were analyzed using medium level analysis due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met except the pH of DUSR ID#2 and #4 was outside QC limits. These samples were analyzed within 7 days, so no further action is required.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except a couple of target analytes were outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	%Rec #1MS	%Rec #1MSD	RPD	Qualifier	Associated Sample
Acetone	-	-	39	UJ	1
Tetrachloroethene	135	133	-	JH	1

Several target analytes were outside QC limits, high in the matrix spikes but were not detected in the associated sample, so no further action is required.

COMPOUND QUANTITATION
All criteria were met except Toluene was detected in DUSR ID#7. This target analyte was not detected in the associated samples, so no further action is required.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on some of the target analytes with acceptable results, so no further action is required.

CONTINUING CALIBRATION
All criteria were met except the %D of a target analyte was outside QC limits in the continuing calibration and should be qualified as estimated in the associated sample, blanks and spikes.

CCal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
CCVIS 480-719153/5	Bromoform	25.6	UJ/J	480-719153, 1-4, 1MS/MSD

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank, MS/MSD, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except a TIC was detected above the qualitative limit in the method blank and should be qualified in the associated samples in which it was detected.

Blank ID	TIC ID/RT	Concentration(ug/L)	Qualifier	Associated Sample
480-719187	4.87	18.9	U	1-5

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except several target analytes were outside QC limits in the matrix spikes and should be qualified as estimated.

Target Analyte	RPD #1MS/MSD	Qualifier	Associated Sample
2-Nitroaniline	16	UJ	1
4-Bromophenyl phenyl ether	16	UJ	1
4-Chlorophenyl phenyl ether	17	UJ	1
Bis(2-chloroethoxy)methane	17	UJ	1
Dibenzofuran	17	UJ	1

The %Rec of 2,4-Dintrotoluene and Pentachlorophenol was outside NFG QC limits, high in DUSR ID#1MS/MSD and should be qualified as estimated. These target analytes were not detected in the associated sample, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except a couple of target analytes were outside QC limits in the initial calibration and/or the initial calibration verification and should be qualified as estimated in the associated samples, blanks and spikes.

ICal/ICV ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
ICV HP5973W	Atrazine	25.9	UJ/J	480-719187, 1-5, 1MS/MSD
ICV HP5973W	Carbazole	-23.0	UJ/J	480-719187, 1-5, 1MS/MSD

Alternate forms of regression were performed on some target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except several target analytes were outside QC limits in the continuing calibration and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	RRF/%D	Qualifier	Associated Sample
CCVIS 480-719409/3	2,4-Dimethylphenol	29.5	UJ/J	480-719187, 1-5, 1MS/MSD
CCVIS 480-719409/3	Hexachlorocyclopentadiene	54.9	UJ/J	480-719187, 1-5, 1MS/MSD
CCVIS 480-719409/3	Hexachlorobenzene	20.8	UJ/J	480-719187, 1-5, 1MS/MSD
CCVIS 480-719409/3	2,4,6-Tribromophenol	30.2	J	480-719187, 1-5, 1MS/MSD

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank, Laboratory Control Samples, MS/MSD, Compound Quantitation and Initial Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except a couple of target analytes were detected in the blank and should be qualified in the associated samples in which it was detected.

Blank ID	Target Analyte	Concentration(ug/L)	Qualifier	Associated Sample
480-719061	gamma-BHC	.00922	U at RL	1-5
480-719061	Methoxychlor	.0406	U at RL	1, 3, 5

The RPD of Methoxychlor was outside QC limits and should be qualified as estimated.

FIELD DUPLICATE SAMPLE PRECISION

All the criteria were met except 4,4'-DDT and alpha-BHC were detected in DUSR ID#2 but were not detected in #4. 4,4'-DDD was detected in DUSR ID#4 but was not detected in #2.

LABORATORY CONTROL SAMPLES

All criteria were met except the RPD of trans-Chlordane, Endosulfan I, Dieldrin, Endrin aldehyde and Endosulfan sulfate was outside QC limits between the columns in LCS 480-719061 and should be qualified as estimated.

MS/MSD

All criteria were met except the RPD of trans-Chlordane was outside QC limits between the columns in DUSR ID#1MSD and should be qualified as estimated.

COMPOUND QUANTITATION

All criteria were met except the RPD between the columns was outside QC limits for several target analytes in the samples and should be qualified as estimated.

Target Analyte	Qualifier	Associated Sample
Methoxychlor	J	1, 3, 5
4,4'-DDT	J	2
gamma-BHC	J	5

A target analyte was detected in the sample blank and should be qualified in the associated samples in which it was detected.

Blank ID	Target Analyte	Concentration(ug/L)	Qualifier	Associated Sample
5	alpha-BHC	.0083	U at RL	1-3

A couple of target analytes were detected in the sample blank but due to being detected in the method blank and thus considered undetected, no further action is required.

INITIAL CALIBRATION

All criteria were met except a target analyte was outside QC limits in the initial calibration and/or the initial calibration verification. This target analyte should be qualified as estimated in the associated blanks, samples and spikes.

Ical/ICV ID	Target Analyte	RRF/%D	Column	Qualifier	Associated Sample
ICV HP6890-5	Toxaphene p 1, 2	various	RTX-CLPI	UJ	MB 480-719061, 1-5
ICV HP6890-5	Toxaphene p 2	-44.4	RTX-CLPII	UJ	MB 480-719061, 1-5

Alternate regression was used on most of the surrogates and target analytes with acceptable results, so no further action is required.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All the criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all of the target analytes and surrogates, with acceptable results, so no further action is required.

CONTINUING CALIBRATION
All criteria were met.

PFAA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS)
- Surrogate Spike Recoveries
- Blanks

- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples, MS/MSD, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

BLANKS
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met except PFOA and PFNA was detected in DUSR ID#2 but was not detected in #4. PFDA and PFUnA were detected in DUSR ID#4 but were not detected in #4.

LABORATORY CONTROL SAMPLES
All criteria were met except 9CL-PF3ONS was qualified with an 'I' in LCS/LLCS 280-661649 and should be qualified as estimated.

The %Rec of a target analyte was outside QC limits, high in the laboratory control samples. This target analyte was not detected in the associated samples, so no further action is required.

MS/MSD
All criteria were met except 9CL-PF3ONS was qualified with an 'I' in DUSR ID#1MS and should be qualified as estimated.
The %Rec of a target analyte was outside QC limits in the matrix spike but within limits in the matrix spike duplicate, so no further action is required.

COMPOUND QUANTITATION
All criteria were met except PFPeA was qualified with an 'I' in DUSR ID#2 and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met except a target analyte was outside QC limits in the continuing calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D	Qualifier	Associated Sample
CCV 280-662002/31	9Cl-PF3ONS	34.9	UJ/J	280-661649, 1-6, 1MS/MSD
CCV 280-662002/33	9Cl-PF3ONS	54.7	UJ/J	1-6, 1MS/MD

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD/Duplicate
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Calibration.

Samples: DUSR ID#2 and #4 were diluted due to interferences.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
All criteria were met.

FIELD DUPLICATE
All criteria were met except Cn and Hg were detected in DUSR ID#4 but were not detected in #2.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except several target analytes were outside QC limits in the calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D	Qualifier	Associated Sample
CCVL 480-719269/7	Al	88	UJ/J	480-719043
CCVL 480-719269/7	Cu	88	UJ/J	480-719043
CCVL 480-719269/7	Mn	85	UJ/J	480-719043
CCVL 480-719269/7	Se	85	UJ/J	480-719043
CCVL 480-719269/7	Tl	128	JH	LCS 480-719043
CCVL 480-719269/15	Al	87	UJ/J	480-719043, 1-3, 1MS/MSD
CCVL 480-719269/15	Cu	86	UJ/J	480-719043, 1-3, 1MS/MSD
CCVL 480-719269/15	Mn	85	UJ/J	480-719043, 1-3, 1MS/MSD
CCVL 480-719269/27	Cu	89	UJ/J	1-5, 1MS/MSD
CCVL 480-719269/27	Mn	88	UJ/J	1-5, 1MS/MSD
CCVL 480-719269/27	Se	86	UJ/J	1-5, 1MS/MSD
CCVL 480-719269/39	Al	88	UJ/J	4, 5
CCVL 480-719269/39	Cu	88	UJ/J	4, 5
CCVL 480-719269/39	Mn	87	UJ/J	4, 5
CCVL 480-719269/39	Se	77	UJ/J	4, 5
CCVL 480-719269/39	Co	115	JH	4
CCVL 480-719349/7	As	116	JH	LCS 480-719043
CCVL 480-719349/31	As	114	JH	1, 2, 4, 1MS/MSD
CCVL 480-719349/43	As	118	JH	4
CCVL 480-719259/178	Hg	113	JH	LCS 480-719136
ICSA 480-719203/9	Fe	82	UJ/J	480-719043, 1-5, 1MS/MSD
ICSAB 480-719203/10	Fe	83	UJ/J	480-719043, 1-5, 1MS/MSD

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Cyanide

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below.

CYANIDE

All criteria were met.

Job Narrative
480-221807-1

REVISION
The report being provided is a revision of the original report sent on 7/31/2024. The report (revision 1) is being revised to include additional metals QC forms.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be 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.

Receipt
The samples were received on 7/19/2024 10:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.8°C, 1.8°C, 3.3°C and 4.4°C.

GC/MS VOA
Method 8260C: 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 samples were analyzed within the 7-day holding time specified for unpreserved samples: GW-MW-1-071824 (480-221807-2) and FD-071824 (480-221807-4).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-719153 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are impacted: GW-MW-3-071824-MS (480-221807-1[MS]) and GW-MW-3-071824-MSD (480-221807-1[MSD]).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-719409 recovered above the upper control limit for multiple analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GW-MW-3-071824 (480-221807-1), GW-MW-1-071824 (480-221807-2), GW-PES-2-071824 (480-221807-3), FD-071824 (480-221807-4) and EB-071824 (480-221807-5).

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 480-719409 was outside the method criteria for the following analyte(s): 2,4,6-Tribromophenol. 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.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
Method 8081B: The method blank for preparation batch 480-719061 and analytical batch 480-719110 contained gamma-BHC (Lindane) and Methoxychlor above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8081B: The method blank for preparation batch 480-719061 and analytical batch 480-719110 contained gamma-BHC (Lindane) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS

Method 1633_Final: In preparation batch 280-661649, the following samples needed to be dacanted due to particulate at the bottom of the sample: GW-MW-1-071824 (480-221807-2) and GW-PES-2-071824 (480-221807-3). Because the samples were decanted, the original sample container could not be rinsed Method 1633_SPE/1633_Final.

Method 1633_Final: In preparation batch 280-661649, the following sample produced a yellow cloudy eluate: GW-MW-1-071824 (480-221807-2). Method 1633_SPE_LVI/ 1633_Final.

Method 1633_Final: The "I" qualifier means the transition mass ratio for the indicated analytes were outside of the established ratio limits. The qualitative identification of the analytes have some degree of uncertainty. However, analyst judgment was used to positively identify the analyte. The affected samples are GW-MW-3-071824-MS (480-221807-1[MS]), GW-MW-1-071824 (480-221807-2), (CCVL 280-662002/3) and (LCS 280-661649/3-A) in analytical batch (280-662002).

Method 1633_Final: Analyte Perfluorooctanesulfonamide (PFOSA) was reported as non-detect for sample GW-PES-2-071824 (480-221807-3) due to a detection below LOQ and failing ion ratio.

Method 1633_Final: Analytes Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonamide (PFOSA) were reported as non-detect for sample FD-071824 (480-221807-4) due to a detection below LOQ and failing ion ratio.

Method 1633_Final: The continuing calibration verification (CCV) associated with batch 280-662002 recovered above the upper control limit for 9Cl-PF3ONS. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GW-MW-3-071824 (480-221807-1), GW-MW-3-071824-MS (480-221807-1[MS]), GW-MW-3-071824-MSD (480-221807-1[MSD]), GW-MW-1-071824 (480-221807-2), GW-PES-2-071824 (480-221807-3), FD-071824 (480-221807-4), EB-071824 (480-221807-5), REAGENT-071824 (480-221807-6), (CCV 280-662002/31) and (CCV 280-662002/33).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals

Method 7470A: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-221807-2. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 3x dilution, which maintained the purple color during digestion.

Method 7470A: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-221807-4. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 3x dilution, which maintained the purple color during digestion.

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.

Client Sample ID: GW-MW-3-071824
Lab Sample ID: 480-221807-1

Date Collected: 07/18/24 09:00
Matrix: Water

Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U F1	1.0	0.82	ug/L			07/22/24 14:43	1
1,1,2,2-Tetrachloroethane	1.0	U F1	1.0	0.21	ug/L			07/22/24 14:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/22/24 14:43	1
1,1,2-Trichloroethane	1.0	U F1	1.0	0.23	ug/L			07/22/24 14:43	1
1,1-Dichloroethane	1.0	U F1	1.0	0.38	ug/L			07/22/24 14:43	1
1,1-Dichloroethene	1.0	U F1	1.0	0.29	ug/L			07/22/24 14:43	1
1,2,4-Trichlorobenzene	1.0	U F1	1.0	0.41	ug/L			07/22/24 14:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/22/24 14:43	1
1,2-Dibromoethane	1.0	U F1	1.0	0.73	ug/L			07/22/24 14:43	1
1,2-Dichlorobenzene	1.0	U F1	1.0	0.79	ug/L			07/22/24 14:43	1
1,2-Dichloroethane	1.0	U F1	1.0	0.21	ug/L			07/22/24 14:43	1
1,2-Dichloropropane	1.0	U F1	1.0	0.72	ug/L			07/22/24 14:43	1
1,3-Dichlorobenzene	1.0	U F1	1.0	0.78	ug/L			07/22/24 14:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/22/24 14:43	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/22/24 14:43	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/22/24 14:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/22/24 14:43	1
Acetone	10	U F2 F1	10	3.0	ug/L			07/22/24 14:43	1
Benzene	1.0	U F1	1.0	0.41	ug/L			07/22/24 14:43	1
Bromodichloromethane	1.0	U F1	1.0	0.39	ug/L			07/22/24 14:43	1
Bromoform	1.0	U F1	1.0	0.26	ug/L			07/22/24 14:43	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/22/24 14:43	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/22/24 14:43	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/22/24 14:43	1
Chlorobenzene	1.0	U F1	1.0	0.75	ug/L			07/22/24 14:43	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/22/24 14:43	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/22/24 14:43	1
Chloromethane	1.0	U F1	1.0	0.35	ug/L			07/22/24 14:43	1
cis-1,2-Dichloroethene	**0.91**	**J F1**	1.0	0.81	ug/L			07/22/24 14:43	1
cis-1,3-Dichloropropene	1.0	U F1	1.0	0.36	ug/L			07/22/24 14:43	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/22/24 14:43	1
Dibromochloromethane	1.0	U F1	1.0	0.32	ug/L			07/22/24 14:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/22/24 14:43	1
Ethylbenzene	1.0	U F1	1.0	0.74	ug/L			07/22/24 14:43	1
Isopropylbenzene	1.0	U F1	1.0	0.79	ug/L			07/22/24 14:43	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/22/24 14:43	1
Methyl tert-butyl ether	1.0	U F1	1.0	0.16	ug/L			07/22/24 14:43	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/22/24 14:43	1
Methylene Chloride	1.0	U F1	1.0	0.44	ug/L			07/22/24 14:43	1
Styrene	1.0	U F1	1.0	0.73	ug/L			07/22/24 14:43	1
Tetrachloroethene	**25**	**F1**	1.0	0.36	ug/L			07/22/24 14:43	1
Toluene	1.0	U F1	1.0	0.51	ug/L			07/22/24 14:43	1
trans-1,2-Dichloroethene	1.0	U F1	1.0	0.90	ug/L			07/22/24 14:43	1
trans-1,3-Dichloropropene	1.0	U F1	1.0	0.37	ug/L			07/22/24 14:43	1
Trichloroethene	1.0	U F1	1.0	0.46	ug/L			07/22/24 14:43	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/22/24 14:43	1
Vinyl chloride	1.0	U F1	1.0	0.90	ug/L			07/22/24 14:43	1
Xylenes, Total	2.0	U F1	2.0	0.66	ug/L			07/22/24 14:43	1

Client Sample ID: GW-MW-3-071824
Lab Sample ID: 480-221807-1

Date Collected: 07/18/24 09:00
Matrix: Water

Date Received: 07/19/24 10:45

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		07/22/24 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		07/22/24 14:43	1
4-Bromofluorobenzene (Surr)	106		73 - 120		07/22/24 14:43	1
Dibromofluoromethane (Surr)	98		75 - 123		07/22/24 14:43	1
Toluene-d8 (Surr)	99		80 - 120		07/22/24 14:43	1

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		07/23/24 07:26	07/24/24 16:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	32		15 - 110	07/23/24 07:26	07/24/24 16:24	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10	U	10	1.1	ug/L		07/22/24 13:14	07/25/24 04:54	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 04:54	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		07/22/24 13:14	07/25/24 04:54	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 04:54	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		07/22/24 13:14	07/25/24 04:54	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 04:54	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 04:54	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 04:54	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 04:54	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		07/22/24 13:14	07/25/24 04:54	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		07/22/24 13:14	07/25/24 04:54	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 04:54	1
2-Nitroaniline	10	U F2	10	0.42	ug/L		07/22/24 13:14	07/25/24 04:54	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 04:54	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 04:54	1
3-Nitroaniline	10	U	10	0.48	ug/L		07/22/24 13:14	07/25/24 04:54	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 04:54	1
4-Bromophenyl phenyl ether	5.0	U F2	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 04:54	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 04:54	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 04:54	1
4-Chlorophenyl phenyl ether	5.0	U F2	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 04:54	1
4-Methylphenol	10	U	10	0.36	ug/L		07/22/24 13:14	07/25/24 04:54	1
4-Nitroaniline	10	U	10	0.25	ug/L		07/22/24 13:14	07/25/24 04:54	1
4-Nitrophenol	10	U	10	1.5	ug/L		07/22/24 13:14	07/25/24 04:54	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		07/22/24 13:14	07/25/24 04:54	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		07/22/24 13:14	07/25/24 04:54	1
Acetophenone	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 04:54	1
Anthracene	5.0	U	5.0	0.28	ug/L		07/22/24 13:14	07/25/24 04:54	1
Atrazine	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 04:54	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		07/22/24 13:14	07/25/24 04:54	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 04:54	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 04:54	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 04:54	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 04:54	1

Client Sample ID: GW-MW-3-071824
Lab Sample ID: 480-221807-1

Date Collected: 07/18/24 09:00
Matrix: Water

Date Received: 07/19/24 10:45

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		07/22/24 13:14	07/25/24 04:54	1
Biphenyl	5.0	U	5.0	0.65	ug/L		07/22/24 13:14	07/25/24 04:54	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		07/22/24 13:14	07/25/24 04:54	1
Bis(2-chloroethoxy)methane	5.0	U F2	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 04:54	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 04:54	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 04:54	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		07/22/24 13:14	07/25/24 04:54	1
Caprolactam	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 04:54	1
Carbazole	5.0	U	5.0	0.30	ug/L		07/22/24 13:14	07/25/24 04:54	1
Chrysene	5.0	U	5.0	0.33	ug/L		07/22/24 13:14	07/25/24 04:54	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		07/22/24 13:14	07/25/24 04:54	1
Dibenzofuran	10	U F2	10	0.51	ug/L		07/22/24 13:14	07/25/24 04:54	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		07/22/24 13:14	07/25/24 04:54	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 04:54	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		07/22/24 13:14	07/25/24 04:54	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 04:54	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 04:54	1
Fluorene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 04:54	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 04:54	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		07/22/24 13:14	07/25/24 04:54	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 04:54	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 04:54	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 04:54	1
Isophorone	5.0	U	5.0	0.43	ug/L		07/22/24 13:14	07/25/24 04:54	1
Naphthalene	5.0	U	5.0	0.76	ug/L		07/22/24 13:14	07/25/24 04:54	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		07/22/24 13:14	07/25/24 04:54	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 04:54	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 04:54	1
Pentachlorophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 04:54	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		07/22/24 13:14	07/25/24 04:54	1
Phenol	5.0	U	5.0	0.39	ug/L		07/22/24 13:14	07/25/24 04:54	1
Pyrene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 04:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-	*4.4*	*T J N*	*ug/L*		*3.13*	*109-99-9*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*3.5*	*T J*	*ug/L*		*3.21*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Cyclotrisiloxane, hexamethyl-	*1.7*	*T J N*	*ug/L*		*4.59*	*541-05-9*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Tetrachloroethylene	*6.3*	*T J N*	*ug/L*		*4.64*	*127-18-4*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*25*	*T J*	*ug/L*		*4.87*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*5.30*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*5.63*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*6.10*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*12.55*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*12.94*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*12.98*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*13.44*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*14.34*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*111*		*25 - 144*	*07/22/24 13:14*	*07/25/24 04:54*	*1*

Client Sample ID: GW-MW-3-071824
Lab Sample ID: 480-221807-1

Date Collected: 07/18/24 09:00
Matrix: Water

Date Received: 07/19/24 10:45

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*83*		*53 - 126*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
2-Fluorophenol	*57*		*24 - 120*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Nitrobenzene-d5	*74*		*29 - 129*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Phenol-d5	*43*		*10 - 120*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
p-Terphenyl-d14	*90*		*33 - 132*	*07/22/24 13:14*	*07/25/24 04:54*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.050	U	0.050	0.0092	ug/L		07/19/24 16:10	07/22/24 10:10	1
4,4'-DDE	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:10	1
4,4'-DDT	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:10	1
Aldrin	0.050	U	0.050	0.0081	ug/L		07/19/24 16:10	07/22/24 10:10	1
alpha-BHC	**0.0086**	**J**	0.050	0.0077	ug/L		07/19/24 16:10	07/22/24 10:10	1
beta-BHC	0.050	U	0.050	0.025	ug/L		07/19/24 16:10	07/22/24 10:10	1
cis-Chlordane	0.050	U	0.050	0.015	ug/L		07/19/24 16:10	07/22/24 10:10	1
delta-BHC	0.050	U	0.050	0.010	ug/L		07/19/24 16:10	07/22/24 10:10	1
Dieldrin	0.050	U	0.050	0.0098	ug/L		07/19/24 16:10	07/22/24 10:10	1
Endosulfan I	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:10	1
Endosulfan II	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:10	1
Endosulfan sulfate	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 10:10	1
Endrin	0.050	U	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 10:10	1
Endrin aldehyde	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 10:10	1
Endrin ketone	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:10	1
gamma-BHC (Lindane)	**0.011**	**J B**	0.050	0.0080	ug/L		07/19/24 16:10	07/22/24 10:10	1
Heptachlor	0.050	U	0.050	0.0085	ug/L		07/19/24 16:10	07/22/24 10:10	1
Heptachlor epoxide	0.050	U	0.050	0.0074	ug/L		07/19/24 16:10	07/22/24 10:10	1
Methoxychlor	**0.040**	**J B**	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 10:10	1
Toxaphene	0.50	U	0.50	0.12	ug/L		07/19/24 16:10	07/22/24 10:10	1
trans-Chlordane	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*10 - 120*	*07/19/24 16:10*	*07/22/24 10:10*	*1*
DCB Decachlorobiphenyl	*54*		*10 - 120*	*07/19/24 16:10*	*07/22/24 10:10*	*1*
Tetrachloro-m-xylene	*50*		*10 - 120*	*07/19/24 16:10*	*07/22/24 10:10*	*1*
Tetrachloro-m-xylene	*47*		*10 - 120*	*07/19/24 16:10*	*07/22/24 10:10*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:20	1
PCB-1221	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:20	1
PCB-1232	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:20	1
PCB-1242	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:20	1
PCB-1248	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:20	1
PCB-1254	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 08:20	1
PCB-1260	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 08:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*10 - 123*	*07/19/24 16:14*	*07/22/24 08:20*	*1*
DCB Decachlorobiphenyl	*58*		*10 - 123*	*07/19/24 16:14*	*07/22/24 08:20*	*1*
Tetrachloro-m-xylene	*71*		*10 - 145*	*07/19/24 16:14*	*07/22/24 08:20*	*1*

Client Sample ID: GW-MW-3-071824
Lab Sample ID: 480-221807-1

Date Collected: 07/18/24 09:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*61*		*10 - 145*	*07/19/24 16:14*	*07/22/24 08:20*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**4.9**		3.0	0.19	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluoropentanoic acid (PFPeA)	**5.9**		1.5	0.099	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorohexanoic acid (PFHxA)	**4.5**		1.5	0.40	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluoroheptanoic acid (PFHpA)	**2.1**		1.5	0.15	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorooctanoic acid (PFOA)	**4.7**		1.5	0.44	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorononanoic acid (PFNA)	**0.97**	**J**	1.5	0.30	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorodecanoic acid (PFDA)	1.5	U	1.5	0.15	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluoroundecanoic acid (PFUnA)	1.5	U	1.5	0.20	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorododecanoic acid (PFDoA)	1.5	U	1.5	0.12	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorotridecanoic acid (PFTriA)	1.5	U	1.5	0.22	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorotetradecanoic acid (PFTeDA)	1.5	U	1.5	0.30	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorobutanesulfonic acid (PFBS)	**1.8**		1.5	0.53	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluoropentanesulfonic acid (PFPeS)	1.5	U	1.5	0.25	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorohexanesulfonic acid (PFHxS)	**0.60**	**J**	1.5	0.53	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluoroheptanesulfonic acid (PFHpS)	1.5	U	1.5	0.32	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorooctanesulfonic acid (PFOS)	**13**		1.5	0.14	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorononanesulfonic acid (PFNS)	1.5	U	1.5	0.20	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorodecanesulfonic acid (PFDS)	1.5	U	1.5	0.22	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorododecanesulfonic acid (PFDoS)	1.5	U	1.5	0.35	ng/L		07/25/24 11:51	07/29/24 19:46	1
4:2 FTS	3.0	U	3.0	0.42	ng/L		07/25/24 11:51	07/29/24 19:46	1
6:2 FTS	3.0	U	3.0	1.4	ng/L		07/25/24 11:51	07/29/24 19:46	1
8:2 FTS	3.0	U	3.0	1.2	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorooctanesulfonamide (PFOSA)	**0.38**	**J**	1.5	0.30	ng/L		07/25/24 11:51	07/29/24 19:46	1
NMeFOSA	1.5	U	1.5	0.48	ng/L		07/25/24 11:51	07/29/24 19:46	1
NEtFOSA	1.5	U	1.5	0.56	ng/L		07/25/24 11:51	07/29/24 19:46	1
NMeFOSAA	1.5	U	1.5	0.61	ng/L		07/25/24 11:51	07/29/24 19:46	1
NEtFOSAA	1.5	U	1.5	0.41	ng/L		07/25/24 11:51	07/29/24 19:46	1
NMeFOSE	7.6	U	7.6	1.3	ng/L		07/25/24 11:51	07/29/24 19:46	1
NEtFOSE	7.6	U	7.6	1.2	ng/L		07/25/24 11:51	07/29/24 19:46	1
HFPO-DA (GenX)	1.1	U	1.1	0.40	ng/L		07/25/24 11:51	07/29/24 19:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.5	U	1.5	0.19	ng/L		07/25/24 11:51	07/29/24 19:46	1
PFMBA	1.5	U	1.5	0.15	ng/L		07/25/24 11:51	07/29/24 19:46	1
NFDHA	1.5	U	1.5	0.40	ng/L		07/25/24 11:51	07/29/24 19:46	1
PFMPA	1.5	U	1.5	0.12	ng/L		07/25/24 11:51	07/29/24 19:46	1
9Cl-PF3ONS	1.5	U	1.5	0.22	ng/L		07/25/24 11:51	07/29/24 19:46	1
11Cl-PF3OUdS	1.5	U	1.5	0.21	ng/L		07/25/24 11:51	07/29/24 19:46	1
PFEESA	1.5	U	1.5	0.13	ng/L		07/25/24 11:51	07/29/24 19:46	1
3:3 FTCA	3.0	U	3.0	0.47	ng/L		07/25/24 11:51	07/29/24 19:46	1
5:3 FTCA	7.6	U	7.6	0.56	ng/L		07/25/24 11:51	07/29/24 19:46	1

Client Sample ID: GW-MW-3-071824
Lab Sample ID: 480-221807-1

Date Collected: 07/18/24 09:00
Matrix: Water

Date Received: 07/19/24 10:45

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7:3 FTCA	7.6	U	7.6	1.1	ng/L		07/25/24 11:51	07/29/24 19:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78.0*		*5 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C5 PFPeA	*78.1*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C5 PFHxA	*77.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C4 PFHpA	*80.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C8 PFOA	*74.1*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C9 PFNA	*77.0*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C6 PFDA	*75.0*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C7 PFUnA	*72.0*		*30 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C2 PFDoA	*67.8*		*10 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C2 PFTeDA	*63.8*		*10 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C3 PFBS	*83.2*		*40 - 135*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C3 PFHxS	*80.6*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C8 PFOS	*69.3*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C8 FOSA	*70.7*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
d3-NMeFOSAA	*70.6*		*40 - 170*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
d5-NEtFOSAA	*71.0*		*25 - 135*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
M2-4:2 FTS	*82.3*		*40 - 200*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
M2-6:2 FTS	*82.7*		*40 - 200*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
M2-8:2 FTS	*82.7*		*40 - 300*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C3 HFPO-DA	*78.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
d7-N-MeFOSE-M	*60.4*		*10 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
d9-N-EtFOSE-M	*56.9*		*10 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
d5-NEtPFOSA	*55.7*		*10 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
d3-NMePFOSA	*60.3*		*10 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.90**		0.20	0.060	mg/L		07/22/24 09:20	07/22/24 20:04	1
Antimony	0.020	U	0.020	0.0068	mg/L		07/22/24 09:20	07/22/24 20:04	1
Arsenic	**0.0060**	**J**	0.015	0.0056	mg/L		07/22/24 09:20	07/23/24 12:52	1
Barium	**0.028**		0.0020	0.00070	mg/L		07/22/24 09:20	07/22/24 20:04	1
Beryllium	0.0020	U	0.0020	0.00030	mg/L		07/22/24 09:20	07/22/24 20:04	1
Cadmium	0.0020	U	0.0020	0.00050	mg/L		07/22/24 09:20	07/22/24 20:04	1
Calcium	**98.4**		0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:04	1
Chromium	**0.0023**	**J**	0.0040	0.0010	mg/L		07/22/24 09:20	07/22/24 20:04	1
Cobalt	**0.0012**	**J**	0.0040	0.00063	mg/L		07/22/24 09:20	07/22/24 20:04	1
Copper	**0.0016**	**J**	0.010	0.0016	mg/L		07/22/24 09:20	07/22/24 20:04	1
Iron	**1.3**		0.050	0.019	mg/L		07/22/24 09:20	07/22/24 20:04	1
Lead	0.010	U	0.010	0.0030	mg/L		07/22/24 09:20	07/22/24 20:04	1
Magnesium	**23.1**		0.20	0.043	mg/L		07/22/24 09:20	07/22/24 20:04	1
Manganese	**0.045**		0.0030	0.00040	mg/L		07/22/24 09:20	07/22/24 20:04	1
Nickel	0.010	U	0.010	0.0013	mg/L		07/22/24 09:20	07/22/24 20:04	1
Potassium	**1.5**		0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:04	1
Selenium	0.025	U	0.025	0.0087	mg/L		07/22/24 09:20	07/22/24 20:04	1
Silver	0.0060	U	0.0060	0.0017	mg/L		07/22/24 09:20	07/22/24 20:04	1
Sodium	**175**		1.0	0.32	mg/L		07/22/24 09:20	07/22/24 20:04	1
Thallium	0.020	U	0.020	0.010	mg/L		07/22/24 09:20	07/22/24 20:04	1

Client Sample ID: GW-MW-3-071824
Lab Sample ID: 480-221807-1

Date Collected: 07/18/24 09:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	**0.0019**	**J**	0.0050	0.0015	mg/L		07/22/24 09:20	07/22/24 20:04	1
Zinc	**0.0031**	**J**	0.010	0.0015	mg/L		07/22/24 09:20	07/22/24 20:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000042	mg/L		07/22/24 10:35	07/22/24 18:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.0049**	**J F1**	0.010	0.0041	mg/L			07/19/24 19:54	1

Client Sample ID: GW-MW-1-071824
Lab Sample ID: 480-221807-2

Date Collected: 07/18/24 10:45
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/22/24 15:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 15:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/22/24 15:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/22/24 15:06	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/22/24 15:06	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/22/24 15:06	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/24 15:06	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/22/24 15:06	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/22/24 15:06	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/22/24 15:06	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 15:06	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/22/24 15:06	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/22/24 15:06	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/22/24 15:06	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/22/24 15:06	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/22/24 15:06	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/22/24 15:06	1
Acetone	10	U	10	3.0	ug/L			07/22/24 15:06	1
Benzene	1.0	U	1.0	0.41	ug/L			07/22/24 15:06	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/22/24 15:06	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/22/24 15:06	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/22/24 15:06	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/22/24 15:06	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/22/24 15:06	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/22/24 15:06	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/22/24 15:06	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/22/24 15:06	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/22/24 15:06	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/22/24 15:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/24 15:06	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/22/24 15:06	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/22/24 15:06	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/22/24 15:06	1

Client Sample ID: GW-MW-1-071824
Lab Sample ID: 480-221807-2

Date Collected: 07/18/24 10:45
Matrix: Water

Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/22/24 15:06	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/22/24 15:06	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/22/24 15:06	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/22/24 15:06	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/22/24 15:06	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/22/24 15:06	1
Styrene	1.0	U	1.0	0.73	ug/L			07/22/24 15:06	1
Tetrachloroethene	**0.79**	**J**	1.0	0.36	ug/L			07/22/24 15:06	1
Toluene	1.0	U	1.0	0.51	ug/L			07/22/24 15:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/22/24 15:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/22/24 15:06	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/22/24 15:06	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/22/24 15:06	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/22/24 15:06	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/22/24 15:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*12*	*T J*	*ug/L*		*14.78*	*N/A*		*07/22/24 15:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*07/22/24 15:06*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*07/22/24 15:06*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*07/22/24 15:06*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*07/22/24 15:06*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		07/23/24 07:26	07/24/24 16:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*15 - 110*	*07/23/24 07:26*	*07/24/24 16:45*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10	U	10	1.1	ug/L		07/22/24 13:14	07/25/24 05:20	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 05:20	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		07/22/24 13:14	07/25/24 05:20	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 05:20	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		07/22/24 13:14	07/25/24 05:20	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 05:20	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 05:20	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:20	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 05:20	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		07/22/24 13:14	07/25/24 05:20	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		07/22/24 13:14	07/25/24 05:20	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:20	1
2-Nitroaniline	10	U	10	0.42	ug/L		07/22/24 13:14	07/25/24 05:20	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 05:20	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:20	1
3-Nitroaniline	10	U	10	0.48	ug/L		07/22/24 13:14	07/25/24 05:20	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 05:20	1

Client Sample ID: GW-MW-1-071824
Lab Sample ID: 480-221807-2

Date Collected: 07/18/24 10:45
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 05:20	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 05:20	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 05:20	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 05:20	1
4-Methylphenol	10	U	10	0.36	ug/L		07/22/24 13:14	07/25/24 05:20	1
4-Nitroaniline	10	U	10	0.25	ug/L		07/22/24 13:14	07/25/24 05:20	1
4-Nitrophenol	10	U	10	1.5	ug/L		07/22/24 13:14	07/25/24 05:20	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		07/22/24 13:14	07/25/24 05:20	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		07/22/24 13:14	07/25/24 05:20	1
Acetophenone	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 05:20	1
Anthracene	5.0	U	5.0	0.28	ug/L		07/22/24 13:14	07/25/24 05:20	1
Atrazine	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 05:20	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		07/22/24 13:14	07/25/24 05:20	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 05:20	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 05:20	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 05:20	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 05:20	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		07/22/24 13:14	07/25/24 05:20	1
Biphenyl	5.0	U	5.0	0.65	ug/L		07/22/24 13:14	07/25/24 05:20	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		07/22/24 13:14	07/25/24 05:20	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 05:20	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:20	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 05:20	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		07/22/24 13:14	07/25/24 05:20	1
Caprolactam	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 05:20	1
Carbazole	5.0	U	5.0	0.30	ug/L		07/22/24 13:14	07/25/24 05:20	1
Chrysene	5.0	U	5.0	0.33	ug/L		07/22/24 13:14	07/25/24 05:20	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		07/22/24 13:14	07/25/24 05:20	1
Dibenzofuran	10	U	10	0.51	ug/L		07/22/24 13:14	07/25/24 05:20	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		07/22/24 13:14	07/25/24 05:20	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 05:20	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		07/22/24 13:14	07/25/24 05:20	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 05:20	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:20	1
Fluorene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 05:20	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 05:20	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		07/22/24 13:14	07/25/24 05:20	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 05:20	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 05:20	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 05:20	1
Isophorone	5.0	U	5.0	0.43	ug/L		07/22/24 13:14	07/25/24 05:20	1
Naphthalene	5.0	U	5.0	0.76	ug/L		07/22/24 13:14	07/25/24 05:20	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		07/22/24 13:14	07/25/24 05:20	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 05:20	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 05:20	1
Pentachlorophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 05:20	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		07/22/24 13:14	07/25/24 05:20	1
Phenol	5.0	U	5.0	0.39	ug/L		07/22/24 13:14	07/25/24 05:20	1
Pyrene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 05:20	1

Client Sample ID: GW-MW-1-071824
Lab Sample ID: 480-221807-2

Date Collected: 07/18/24 10:45
Matrix: Water

Date Received: 07/19/24 10:45

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Furan, tetrahydro-	4.5	T J N	ug/L		3.12	109-99-9	07/22/24 13:14	07/25/24 05:20	1
Unknown	3.9	T J	ug/L		3.20	N/A	07/22/24 13:14	07/25/24 05:20	1
Cyclotrisiloxane, hexamethyl-	1.6	T J N	ug/L		4.59	541-05-9	07/22/24 13:14	07/25/24 05:20	1
Unknown	28	T J	ug/L		4.87	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	2.2	T J	ug/L		5.30	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	1.8	T J	ug/L		5.64	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	2.1	T J	ug/L		6.10	N/A	07/22/24 13:14	07/25/24 05:20	1
Cyclopentasiloxane, decamethyl-	1.7	T J N	ug/L		7.41	541-02-6	07/22/24 13:14	07/25/24 05:20	1
Unknown	5.8	T J	ug/L		12.55	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	3.0	T J	ug/L		12.94	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	3.0	T J	ug/L		12.98	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	1.8	T J	ug/L		13.22	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	7.2	T J	ug/L		13.44	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	1.8	T J	ug/L		13.80	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	8.8	T J	ug/L		14.35	N/A	07/22/24 13:14	07/25/24 05:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	120		25 - 144	07/22/24 13:14	07/25/24 05:20	1
2-Fluorobiphenyl	85		53 - 126	07/22/24 13:14	07/25/24 05:20	1
2-Fluorophenol	57		24 - 120	07/22/24 13:14	07/25/24 05:20	1
Nitrobenzene-d5	76		29 - 129	07/22/24 13:14	07/25/24 05:20	1
Phenol-d5	45		10 - 120	07/22/24 13:14	07/25/24 05:20	1
p-Terphenyl-d14	95		33 - 132	07/22/24 13:14	07/25/24 05:20	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.050	U	0.050	0.0092	ug/L		07/19/24 16:10	07/22/24 10:30	1
4,4'-DDE	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:30	1
4,4'-DDT	**0.032**	**J**	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:30	1
Aldrin	0.050	U	0.050	0.0081	ug/L		07/19/24 16:10	07/22/24 10:30	1
alpha-BHC	**0.0088**	**J**	0.050	0.0077	ug/L		07/19/24 16:10	07/22/24 10:30	1
beta-BHC	0.050	U	0.050	0.025	ug/L		07/19/24 16:10	07/22/24 10:30	1
cis-Chlordane	0.050	U	0.050	0.015	ug/L		07/19/24 16:10	07/22/24 10:30	1
delta-BHC	0.050	U	0.050	0.010	ug/L		07/19/24 16:10	07/22/24 10:30	1
Dieldrin	0.050	U	0.050	0.0098	ug/L		07/19/24 16:10	07/22/24 10:30	1
Endosulfan I	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:30	1
Endosulfan II	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:30	1
Endosulfan sulfate	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 10:30	1
Endrin	0.050	U	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 10:30	1
Endrin aldehyde	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 10:30	1
Endrin ketone	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:30	1
gamma-BHC (Lindane)	**0.011**	**J B**	0.050	0.0080	ug/L		07/19/24 16:10	07/22/24 10:30	1
Heptachlor	0.050	U	0.050	0.0085	ug/L		07/19/24 16:10	07/22/24 10:30	1
Heptachlor epoxide	0.050	U	0.050	0.0074	ug/L		07/19/24 16:10	07/22/24 10:30	1
Methoxychlor	0.050	U	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 10:30	1
Toxaphene	0.50	U	0.50	0.12	ug/L		07/19/24 16:10	07/22/24 10:30	1
trans-Chlordane	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	43		10 - 120	07/19/24 16:10	07/22/24 10:30	1
DCB Decachlorobiphenyl	42		10 - 120	07/19/24 16:10	07/22/24 10:30	1

Client Sample ID: GW-MW-1-071824
Lab Sample ID: 480-221807-2

Date Collected: 07/18/24 10:45
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*41*		*10 - 120*	*07/19/24 16:10*	*07/22/24 10:30*	*1*
Tetrachloro-m-xylene	*35*		*10 - 120*	*07/19/24 16:10*	*07/22/24 10:30*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:37	1
PCB-1221	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:37	1
PCB-1232	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:37	1
PCB-1242	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:37	1
PCB-1248	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:37	1
PCB-1254	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 08:37	1
PCB-1260	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 08:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*44*		*10 - 123*	*07/19/24 16:14*	*07/22/24 08:37*	*1*
DCB Decachlorobiphenyl	*42*		*10 - 123*	*07/19/24 16:14*	*07/22/24 08:37*	*1*
Tetrachloro-m-xylene	*78*		*10 - 145*	*07/19/24 16:14*	*07/22/24 08:37*	*1*
Tetrachloro-m-xylene	*66*		*10 - 145*	*07/19/24 16:14*	*07/22/24 08:37*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**3.7**	**J**	3.9	0.24	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluoropentanoic acid (PFPeA)	**7.8**	**I**	1.9	0.13	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorohexanoic acid (PFHxA)	**4.6**		1.9	0.51	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluoroheptanoic acid (PFHpA)	**2.2**		1.9	0.19	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorooctanoic acid (PFOA)	**1.8**	**J**	1.9	0.56	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorononanoic acid (PFNA)	**1.1**	**J**	1.9	0.38	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorodecanoic acid (PFDA)	1.9	U	1.9	0.19	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	0.25	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.16	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	0.28	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorotetradecanoic acid (PFTeDA)	1.9	U	1.9	0.38	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorobutanesulfonic acid (PFBS)	**3.0**		1.9	0.67	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluoropentanesulfonic acid (PFPeS)	1.9	U	1.9	0.32	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorohexanesulfonic acid (PFHxS)	1.9	U	1.9	0.68	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluoroheptanesulfonic acid (PFHpS)	1.9	U	1.9	0.41	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorooctanesulfonic acid (PFOS)	**3.5**		1.9	0.18	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorononanesulfonic acid (PFNS)	1.9	U	1.9	0.25	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.27	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorododecanesulfonic acid (PFDoS)	1.9	U	1.9	0.44	ng/L		07/25/24 11:51	07/29/24 20:44	1
4:2 FTS	3.9	U	3.9	0.53	ng/L		07/25/24 11:51	07/29/24 20:44	1
6:2 FTS	3.9	U	3.9	1.8	ng/L		07/25/24 11:51	07/29/24 20:44	1
8:2 FTS	3.9	U	3.9	1.6	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorooctanesulfonamide (PFOSA)	1.9	U	1.9	0.38	ng/L		07/25/24 11:51	07/29/24 20:44	1
NMeFOSA	1.9	U	1.9	0.62	ng/L		07/25/24 11:51	07/29/24 20:44	1
NEtFOSA	1.9	U	1.9	0.71	ng/L		07/25/24 11:51	07/29/24 20:44	1

Client Sample ID: GW-MW-1-071824
Lab Sample ID: 480-221807-2

Date Collected: 07/18/24 10:45
Matrix: Water
Date Received: 07/19/24 10:45

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSAA	1.9	U	1.9	0.77	ng/L		07/25/24 11:51	07/29/24 20:44	1
NEtFOSAA	1.9	U	1.9	0.52	ng/L		07/25/24 11:51	07/29/24 20:44	1
NMeFOSE	9.7	U	9.7	1.6	ng/L		07/25/24 11:51	07/29/24 20:44	1
NEtFOSE	9.7	U	9.7	1.5	ng/L		07/25/24 11:51	07/29/24 20:44	1
HFPO-DA (GenX)	1.4	U	1.4	0.51	ng/L		07/25/24 11:51	07/29/24 20:44	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.9	U	1.9	0.24	ng/L		07/25/24 11:51	07/29/24 20:44	1
PFMBA	1.9	U	1.9	0.20	ng/L		07/25/24 11:51	07/29/24 20:44	1
NFDHA	1.9	U	1.9	0.51	ng/L		07/25/24 11:51	07/29/24 20:44	1
PFMPA	1.9	U	1.9	0.15	ng/L		07/25/24 11:51	07/29/24 20:44	1
9Cl-PF3ONS	1.9	U	1.9	0.28	ng/L		07/25/24 11:51	07/29/24 20:44	1
11Cl-PF3OUdS	1.9	U	1.9	0.27	ng/L		07/25/24 11:51	07/29/24 20:44	1
PFEESA	1.9	U	1.9	0.17	ng/L		07/25/24 11:51	07/29/24 20:44	1
3:3 FTCA	3.9	U	3.9	0.60	ng/L		07/25/24 11:51	07/29/24 20:44	1
5:3 FTCA	9.7	U	9.7	0.71	ng/L		07/25/24 11:51	07/29/24 20:44	1
7:3 FTCA	9.7	U	9.7	1.4	ng/L		07/25/24 11:51	07/29/24 20:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*70.7*		*5 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C5 PFPeA	*62.5*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C5 PFHxA	*67.6*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C4 PFHpA	*72.7*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C8 PFOA	*73.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C9 PFNA	*69.6*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C6 PFDA	*73.2*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C7 PFUnA	*73.6*		*30 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C2 PFDoA	*66.6*		*10 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C2 PFTeDA	*63.4*		*10 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C3 PFBS	*70.3*		*40 - 135*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C3 PFHxS	*69.1*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C8 PFOS	*69.5*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C8 FOSA	*69.0*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
d3-NMeFOSAA	*75.6*		*40 - 170*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
d5-NEtFOSAA	*71.9*		*25 - 135*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
M2-4:2 FTS	*106*		*40 - 200*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
M2-6:2 FTS	*95.0*		*40 - 200*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
M2-8:2 FTS	*78.4*		*40 - 300*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C3 HFPO-DA	*65.5*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
d7-N-MeFOSE-M	*56.2*		*10 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
d9-N-EtFOSE-M	*59.0*		*10 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
d5-NEtPFOSA	*53.1*		*10 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
d3-NMePFOSA	*53.2*		*10 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**28.7**		0.20	0.060	mg/L		07/22/24 09:20	07/22/24 20:14	1
Antimony	0.020	U	0.020	0.0068	mg/L		07/22/24 09:20	07/22/24 20:14	1
Arsenic	**0.021**		0.015	0.0056	mg/L		07/22/24 09:20	07/23/24 13:01	1
Barium	**0.18**		0.0020	0.00070	mg/L		07/22/24 09:20	07/22/24 20:14	1
Beryllium	**0.0016**	**J**	0.0020	0.00030	mg/L		07/22/24 09:20	07/22/24 20:14	1
Cadmium	**0.00091**	**J**	0.0020	0.00050	mg/L		07/22/24 09:20	07/22/24 20:14	1

Client Sample ID: GW-MW-1-071824
Lab Sample ID: 480-221807-2

Date Collected: 07/18/24 10:45
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**236**		0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:14	1
Chromium	**0.031**		0.0040	0.0010	mg/L		07/22/24 09:20	07/22/24 20:14	1
Cobalt	**0.027**		0.0040	0.00063	mg/L		07/22/24 09:20	07/22/24 20:14	1
Copper	**0.072**		0.010	0.0016	mg/L		07/22/24 09:20	07/22/24 20:14	1
Iron	**50.3**		0.050	0.019	mg/L		07/22/24 09:20	07/22/24 20:14	1
Lead	**0.026**		0.010	0.0030	mg/L		07/22/24 09:20	07/22/24 20:14	1
Magnesium	**54.4**		0.20	0.043	mg/L		07/22/24 09:20	07/22/24 20:14	1
Manganese	**2.9**		0.0030	0.00040	mg/L		07/22/24 09:20	07/22/24 20:14	1
Nickel	**0.044**		0.010	0.0013	mg/L		07/22/24 09:20	07/22/24 20:14	1
Potassium	**9.0**		0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:14	1
Selenium	0.025	U	0.025	0.0087	mg/L		07/22/24 09:20	07/22/24 20:14	1
Silver	0.0060	U	0.0060	0.0017	mg/L		07/22/24 09:20	07/22/24 20:14	1
Sodium	**378**		1.0	0.32	mg/L		07/22/24 09:20	07/22/24 20:14	1
Thallium	0.020	U	0.020	0.010	mg/L		07/22/24 09:20	07/22/24 20:14	1
Vanadium	**0.058**		0.0050	0.0015	mg/L		07/22/24 09:20	07/22/24 20:14	1
Zinc	**0.12**		0.010	0.0015	mg/L		07/22/24 09:20	07/22/24 20:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00060	U	0.00060	0.00013	mg/L		07/22/24 10:35	07/22/24 17:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0041	mg/L			07/19/24 20:11	1

Client Sample ID: GW-PES-2-071824
Lab Sample ID: 480-221807-3

Date Collected: 07/18/24 12:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/22/24 15:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 15:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/22/24 15:28	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/22/24 15:28	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/22/24 15:28	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/22/24 15:28	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/24 15:28	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/22/24 15:28	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/22/24 15:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/22/24 15:28	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 15:28	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/22/24 15:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/22/24 15:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/22/24 15:28	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/22/24 15:28	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/22/24 15:28	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/22/24 15:28	1
Acetone	10	U	10	3.0	ug/L			07/22/24 15:28	1
Benzene	1.0	U	1.0	0.41	ug/L			07/22/24 15:28	1

Client Sample ID: GW-PES-2-071824
Lab Sample ID: 480-221807-3

Date Collected: 07/18/24 12:50
Matrix: Water

Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/22/24 15:28	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/22/24 15:28	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/22/24 15:28	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/22/24 15:28	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/22/24 15:28	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/22/24 15:28	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/22/24 15:28	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/22/24 15:28	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/22/24 15:28	1
cis-1,2-Dichloroethene	**1.5**		1.0	0.81	ug/L			07/22/24 15:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/24 15:28	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/22/24 15:28	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/22/24 15:28	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/22/24 15:28	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/22/24 15:28	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/22/24 15:28	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/22/24 15:28	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/22/24 15:28	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/22/24 15:28	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/22/24 15:28	1
Styrene	1.0	U	1.0	0.73	ug/L			07/22/24 15:28	1
Tetrachloroethene	**22**		1.0	0.36	ug/L			07/22/24 15:28	1
Toluene	1.0	U	1.0	0.51	ug/L			07/22/24 15:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/22/24 15:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/22/24 15:28	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/22/24 15:28	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/22/24 15:28	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/22/24 15:28	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/22/24 15:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*07/22/24 15:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*07/22/24 15:28*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*07/22/24 15:28*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*07/22/24 15:28*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/22/24 15:28*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		07/23/24 07:26	07/24/24 17:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*28*		*15 - 110*	*07/23/24 07:26*	*07/24/24 17:07*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10	U	10	1.1	ug/L		07/22/24 13:14	07/25/24 05:47	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 05:47	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		07/22/24 13:14	07/25/24 05:47	1

Client Sample ID: GW-PES-2-071824
Lab Sample ID: 480-221807-3

Date Collected: 07/18/24 12:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 05:47	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		07/22/24 13:14	07/25/24 05:47	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 05:47	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 05:47	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:47	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 05:47	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		07/22/24 13:14	07/25/24 05:47	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		07/22/24 13:14	07/25/24 05:47	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:47	1
2-Nitroaniline	10	U	10	0.42	ug/L		07/22/24 13:14	07/25/24 05:47	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 05:47	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:47	1
3-Nitroaniline	10	U	10	0.48	ug/L		07/22/24 13:14	07/25/24 05:47	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 05:47	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 05:47	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 05:47	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 05:47	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 05:47	1
4-Methylphenol	10	U	10	0.36	ug/L		07/22/24 13:14	07/25/24 05:47	1
4-Nitroaniline	10	U	10	0.25	ug/L		07/22/24 13:14	07/25/24 05:47	1
4-Nitrophenol	10	U	10	1.5	ug/L		07/22/24 13:14	07/25/24 05:47	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		07/22/24 13:14	07/25/24 05:47	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		07/22/24 13:14	07/25/24 05:47	1
Acetophenone	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 05:47	1
Anthracene	5.0	U	5.0	0.28	ug/L		07/22/24 13:14	07/25/24 05:47	1
Atrazine	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 05:47	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		07/22/24 13:14	07/25/24 05:47	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 05:47	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 05:47	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 05:47	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 05:47	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		07/22/24 13:14	07/25/24 05:47	1
Biphenyl	5.0	U	5.0	0.65	ug/L		07/22/24 13:14	07/25/24 05:47	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		07/22/24 13:14	07/25/24 05:47	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 05:47	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:47	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 05:47	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		07/22/24 13:14	07/25/24 05:47	1
Caprolactam	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 05:47	1
Carbazole	5.0	U	5.0	0.30	ug/L		07/22/24 13:14	07/25/24 05:47	1
Chrysene	5.0	U	5.0	0.33	ug/L		07/22/24 13:14	07/25/24 05:47	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		07/22/24 13:14	07/25/24 05:47	1
Dibenzofuran	10	U	10	0.51	ug/L		07/22/24 13:14	07/25/24 05:47	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		07/22/24 13:14	07/25/24 05:47	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 05:47	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		07/22/24 13:14	07/25/24 05:47	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 05:47	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:47	1
Fluorene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 05:47	1

Client Sample ID: GW-PES-2-071824
Lab Sample ID: 480-221807-3

Date Collected: 07/18/24 12:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 05:47	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		07/22/24 13:14	07/25/24 05:47	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 05:47	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 05:47	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 05:47	1
Isophorone	5.0	U	5.0	0.43	ug/L		07/22/24 13:14	07/25/24 05:47	1
Naphthalene	5.0	U	5.0	0.76	ug/L		07/22/24 13:14	07/25/24 05:47	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		07/22/24 13:14	07/25/24 05:47	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 05:47	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 05:47	1
Pentachlorophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 05:47	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		07/22/24 13:14	07/25/24 05:47	1
Phenol	5.0	U	5.0	0.39	ug/L		07/22/24 13:14	07/25/24 05:47	1
Pyrene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 05:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-	*5.0*	*T J N*	*ug/L*		*3.13*	*109-99-9*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Unknown	*4.6*	*T J*	*ug/L*		*3.21*	*N/A*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*3.34*	*N/A*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Cyclotrisiloxane, hexamethyl-	*1.9*	*T J N*	*ug/L*		*4.59*	*541-05-9*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Tetrachloroethylene	*7.2*	*T J N*	*ug/L*		*4.64*	*127-18-4*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Unknown	*31*	*T J*	*ug/L*		*4.87*	*N/A*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*5.30*	*N/A*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*5.64*	*N/A*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Cyclotetrasiloxane, octamethyl-	*2.7*	*T J N*	*ug/L*		*6.10*	*556-67-2*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Cyclopentasiloxane, decamethyl-	*2.5*	*T J N*	*ug/L*		*7.42*	*541-02-6*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*13.80*	*N/A*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*14.23*	*N/A*	*07/22/24 13:14*	*07/25/24 05:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*119*		*25 - 144*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
2-Fluorobiphenyl	*96*		*53 - 126*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
2-Fluorophenol	*73*		*24 - 120*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Nitrobenzene-d5	*90*		*29 - 129*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Phenol-d5	*54*		*10 - 120*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
p-Terphenyl-d14	*95*		*33 - 132*	*07/22/24 13:14*	*07/25/24 05:47*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.050	U	0.050	0.0092	ug/L		07/19/24 16:10	07/22/24 10:49	1
4,4'-DDE	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:49	1
4,4'-DDT	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:49	1
Aldrin	0.050	U	0.050	0.0081	ug/L		07/19/24 16:10	07/22/24 10:49	1
alpha-BHC	**0.0083**	**J**	0.050	0.0077	ug/L		07/19/24 16:10	07/22/24 10:49	1
beta-BHC	0.050	U	0.050	0.025	ug/L		07/19/24 16:10	07/22/24 10:49	1
cis-Chlordane	0.050	U	0.050	0.015	ug/L		07/19/24 16:10	07/22/24 10:49	1
delta-BHC	0.050	U	0.050	0.010	ug/L		07/19/24 16:10	07/22/24 10:49	1
Dieldrin	0.050	U	0.050	0.0098	ug/L		07/19/24 16:10	07/22/24 10:49	1
Endosulfan I	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:49	1
Endosulfan II	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:49	1

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Date Collected: 07/18/24 12:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 10:49	1
Endrin	0.050	U	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 10:49	1
Endrin aldehyde	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 10:49	1
Endrin ketone	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:49	1
gamma-BHC (Lindane)	**0.0092**	**J B**	0.050	0.0080	ug/L		07/19/24 16:10	07/22/24 10:49	1
Heptachlor	0.050	U	0.050	0.0085	ug/L		07/19/24 16:10	07/22/24 10:49	1
Heptachlor epoxide	0.050	U	0.050	0.0074	ug/L		07/19/24 16:10	07/22/24 10:49	1
Methoxychlor	**0.041**	**J B**	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 10:49	1
Toxaphene	0.50	U	0.50	0.12	ug/L		07/19/24 16:10	07/22/24 10:49	1
trans-Chlordane	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*47*		*10 - 120*	*07/19/24 16:10*	*07/22/24 10:49*	*1*
DCB Decachlorobiphenyl	*46*		*10 - 120*	*07/19/24 16:10*	*07/22/24 10:49*	*1*
Tetrachloro-m-xylene	*48*		*10 - 120*	*07/19/24 16:10*	*07/22/24 10:49*	*1*
Tetrachloro-m-xylene	*42*		*10 - 120*	*07/19/24 16:10*	*07/22/24 10:49*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:54	1
PCB-1221	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:54	1
PCB-1232	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:54	1
PCB-1242	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:54	1
PCB-1248	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:54	1
PCB-1254	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 08:54	1
PCB-1260	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 08:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*10 - 123*	*07/19/24 16:14*	*07/22/24 08:54*	*1*
DCB Decachlorobiphenyl	*57*		*10 - 123*	*07/19/24 16:14*	*07/22/24 08:54*	*1*
Tetrachloro-m-xylene	*69*		*10 - 145*	*07/19/24 16:14*	*07/22/24 08:54*	*1*
Tetrachloro-m-xylene	*59*		*10 - 145*	*07/19/24 16:14*	*07/22/24 08:54*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**12**		3.6	0.22	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluoropentanoic acid (PFPeA)	**8.5**		1.8	0.12	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorohexanoic acid (PFHxA)	**11**		1.8	0.47	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluoroheptanoic acid (PFHpA)	**10**		1.8	0.18	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorooctanoic acid (PFOA)	**7.0**		1.8	0.52	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorononanoic acid (PFNA)	**1.2**	**J**	1.8	0.35	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorodecanoic acid (PFDA)	1.8	U	1.8	0.18	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluoroundecanoic acid (PFUnA)	1.8	U	1.8	0.24	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorododecanoic acid (PFDoA)	1.8	U	1.8	0.15	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	0.26	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorotetradecanoic acid (PFTeDA)	1.8	U	1.8	0.35	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorobutanesulfonic acid (PFBS)	**8.1**		1.8	0.63	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluoropentanesulfonic acid (PFPeS)	1.8	U	1.8	0.30	ng/L		07/25/24 11:51	07/29/24 21:04	1

Client Sample ID: GW-PES-2-071824
Lab Sample ID: 480-221807-3

Date Collected: 07/18/24 12:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	**4.3**		1.8	0.63	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluoroheptanesulfonic acid (PFHpS)	1.8	U	1.8	0.38	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorooctanesulfonic acid (PFOS)	**20**		1.8	0.17	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorononanesulfonic acid (PFNS)	1.8	U	1.8	0.24	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.25	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorododecanesulfonic acid (PFDoS)	1.8	U	1.8	0.41	ng/L		07/25/24 11:51	07/29/24 21:04	1
4:2 FTS	3.6	U	3.6	0.49	ng/L		07/25/24 11:51	07/29/24 21:04	1
6:2 FTS	3.6	U	3.6	1.7	ng/L		07/25/24 11:51	07/29/24 21:04	1
8:2 FTS	3.6	U	3.6	1.5	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorooctanesulfonamide (PFOSA)	1.8	U	1.8	0.36	ng/L		07/25/24 11:51	07/29/24 21:04	1
NMeFOSA	1.8	U	1.8	0.57	ng/L		07/25/24 11:51	07/29/24 21:04	1
NEtFOSA	1.8	U	1.8	0.66	ng/L		07/25/24 11:51	07/29/24 21:04	1
NMeFOSAA	1.8	U	1.8	0.72	ng/L		07/25/24 11:51	07/29/24 21:04	1
NEtFOSAA	1.8	U	1.8	0.49	ng/L		07/25/24 11:51	07/29/24 21:04	1
NMeFOSE	9.0	U	9.0	1.5	ng/L		07/25/24 11:51	07/29/24 21:04	1
NEtFOSE	9.0	U	9.0	1.4	ng/L		07/25/24 11:51	07/29/24 21:04	1
HFPO-DA (GenX)	1.3	U	1.3	0.48	ng/L		07/25/24 11:51	07/29/24 21:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.8	U	1.8	0.22	ng/L		07/25/24 11:51	07/29/24 21:04	1
PFMBA	1.8	U	1.8	0.18	ng/L		07/25/24 11:51	07/29/24 21:04	1
NFDHA	1.8	U	1.8	0.48	ng/L		07/25/24 11:51	07/29/24 21:04	1
PFMPA	1.8	U	1.8	0.14	ng/L		07/25/24 11:51	07/29/24 21:04	1
9Cl-PF3ONS	1.8	U	1.8	0.26	ng/L		07/25/24 11:51	07/29/24 21:04	1
11Cl-PF3OUdS	1.8	U	1.8	0.25	ng/L		07/25/24 11:51	07/29/24 21:04	1
PFEESA	1.8	U	1.8	0.15	ng/L		07/25/24 11:51	07/29/24 21:04	1
3:3 FTCA	3.6	U	3.6	0.56	ng/L		07/25/24 11:51	07/29/24 21:04	1
5:3 FTCA	9.0	U	9.0	0.66	ng/L		07/25/24 11:51	07/29/24 21:04	1
7:3 FTCA	9.0	U	9.0	1.3	ng/L		07/25/24 11:51	07/29/24 21:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82.6*		*5 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C5 PFPeA	*85.8*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C5 PFHxA	*85.1*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C4 PFHpA	*87.1*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C8 PFOA	*86.4*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C9 PFNA	*82.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C6 PFDA	*81.7*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C7 PFUnA	*81.8*		*30 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C2 PFDoA	*76.1*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C2 PFTeDA	*78.2*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C3 PFBS	*88.0*		*40 - 135*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C3 PFHxS	*84.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C8 PFOS	*80.6*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C8 FOSA	*73.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
d3-NMeFOSAA	*80.4*		*40 - 170*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
d5-NEtFOSAA	*76.7*		*25 - 135*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
M2-4:2 FTS	*87.6*		*40 - 200*	*07/25/24 11:51*	*07/29/24 21:04*	*1*

Client Sample ID: GW-PES-2-071824
Lab Sample ID: 480-221807-3

Date Collected: 07/18/24 12:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
M2-6:2 FTS	*96.7*		*40 - 200*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
M2-8:2 FTS	*90.4*		*40 - 300*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C3 HFPO-DA	*87.1*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
d7-N-MeFOSE-M	*67.5*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
d9-N-EtFOSE-M	*65.4*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
d5-NEtPFOSA	*61.3*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
d3-NMePFOSA	*59.7*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5.1**		0.20	0.060	mg/L		07/22/24 09:20	07/22/24 20:16	1
Antimony	0.020	U	0.020	0.0068	mg/L		07/22/24 09:20	07/22/24 20:16	1
Arsenic	0.015	U	0.015	0.0056	mg/L		07/22/24 09:20	07/23/24 13:09	1
Barium	**0.035**		0.0020	0.00070	mg/L		07/22/24 09:20	07/22/24 20:16	1
Beryllium	0.0020	U	0.0020	0.00030	mg/L		07/22/24 09:20	07/22/24 20:16	1
Cadmium	0.0020	U	0.0020	0.00050	mg/L		07/22/24 09:20	07/22/24 20:16	1
Calcium	**66.2**		0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:16	1
Chromium	**0.0054**		0.0040	0.0010	mg/L		07/22/24 09:20	07/22/24 20:16	1
Cobalt	**0.0029**	**J**	0.0040	0.00063	mg/L		07/22/24 09:20	07/22/24 20:16	1
Copper	**0.0071**	**J**	0.010	0.0016	mg/L		07/22/24 09:20	07/22/24 20:16	1
Iron	**7.3**		0.050	0.019	mg/L		07/22/24 09:20	07/22/24 20:16	1
Lead	0.010	U	0.010	0.0030	mg/L		07/22/24 09:20	07/22/24 20:16	1
Magnesium	**8.6**		0.20	0.043	mg/L		07/22/24 09:20	07/22/24 20:16	1
Manganese	**0.33**		0.0030	0.00040	mg/L		07/22/24 09:20	07/22/24 20:16	1
Nickel	**0.0049**	**J**	0.010	0.0013	mg/L		07/22/24 09:20	07/22/24 20:16	1
Potassium	**2.6**		0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:16	1
Selenium	0.025	U	0.025	0.0087	mg/L		07/22/24 09:20	07/22/24 20:16	1
Silver	0.0060	U	0.0060	0.0017	mg/L		07/22/24 09:20	07/22/24 20:16	1
Sodium	**249**		1.0	0.32	mg/L		07/22/24 09:20	07/22/24 20:16	1
Thallium	0.020	U	0.020	0.010	mg/L		07/22/24 09:20	07/22/24 20:16	1
Vanadium	**0.010**		0.0050	0.0015	mg/L		07/22/24 09:20	07/22/24 20:16	1
Zinc	**0.016**		0.010	0.0015	mg/L		07/22/24 09:20	07/22/24 20:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000042	mg/L		07/22/24 10:35	07/22/24 17:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0041	mg/L			07/19/24 20:15	1

Client Sample ID: FD-071824
Lab Sample ID: 480-221807-4

Date Collected: 07/18/24 00:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/22/24 15:51	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 15:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/22/24 15:51	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/22/24 15:51	1

Client Sample ID: FD-071824
Date Collected: 07/18/24 00:00
Date Received: 07/19/24 10:45

Lab Sample ID: 480-221807-4
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/22/24 15:51	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/22/24 15:51	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/24 15:51	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/22/24 15:51	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/22/24 15:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/22/24 15:51	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 15:51	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/22/24 15:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/22/24 15:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/22/24 15:51	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/22/24 15:51	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/22/24 15:51	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/22/24 15:51	1
Acetone	10	U	10	3.0	ug/L			07/22/24 15:51	1
Benzene	1.0	U	1.0	0.41	ug/L			07/22/24 15:51	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/22/24 15:51	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/22/24 15:51	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/22/24 15:51	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/22/24 15:51	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/22/24 15:51	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/22/24 15:51	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/22/24 15:51	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/22/24 15:51	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/22/24 15:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/22/24 15:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/24 15:51	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/22/24 15:51	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/22/24 15:51	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/22/24 15:51	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/22/24 15:51	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/22/24 15:51	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/22/24 15:51	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/22/24 15:51	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/22/24 15:51	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/22/24 15:51	1
Styrene	1.0	U	1.0	0.73	ug/L			07/22/24 15:51	1
Tetrachloroethene	**0.63**	**J**	1.0	0.36	ug/L			07/22/24 15:51	1
Toluene	1.0	U	1.0	0.51	ug/L			07/22/24 15:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/22/24 15:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/22/24 15:51	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/22/24 15:51	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/22/24 15:51	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/22/24 15:51	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/22/24 15:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*07/22/24 15:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*07/22/24 15:51*	*1*

Client Sample ID: FD-071824
Date Collected: 07/18/24 00:00
Date Received: 07/19/24 10:45

Lab Sample ID: 480-221807-4
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*07/22/24 15:51*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*07/22/24 15:51*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/22/24 15:51*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		07/23/24 07:26	07/24/24 17:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*28*		*15 - 110*	*07/23/24 07:26*	*07/24/24 17:28*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10	U	10	1.1	ug/L		07/22/24 13:14	07/25/24 06:13	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 06:13	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		07/22/24 13:14	07/25/24 06:13	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 06:13	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		07/22/24 13:14	07/25/24 06:13	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 06:13	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 06:13	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:13	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 06:13	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		07/22/24 13:14	07/25/24 06:13	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		07/22/24 13:14	07/25/24 06:13	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:13	1
2-Nitroaniline	10	U	10	0.42	ug/L		07/22/24 13:14	07/25/24 06:13	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 06:13	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:13	1
3-Nitroaniline	10	U	10	0.48	ug/L		07/22/24 13:14	07/25/24 06:13	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 06:13	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 06:13	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 06:13	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 06:13	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 06:13	1
4-Methylphenol	10	U	10	0.36	ug/L		07/22/24 13:14	07/25/24 06:13	1
4-Nitroaniline	10	U	10	0.25	ug/L		07/22/24 13:14	07/25/24 06:13	1
4-Nitrophenol	10	U	10	1.5	ug/L		07/22/24 13:14	07/25/24 06:13	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		07/22/24 13:14	07/25/24 06:13	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		07/22/24 13:14	07/25/24 06:13	1
Acetophenone	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 06:13	1
Anthracene	5.0	U	5.0	0.28	ug/L		07/22/24 13:14	07/25/24 06:13	1
Atrazine	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 06:13	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		07/22/24 13:14	07/25/24 06:13	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 06:13	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 06:13	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 06:13	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 06:13	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		07/22/24 13:14	07/25/24 06:13	1
Biphenyl	5.0	U	5.0	0.65	ug/L		07/22/24 13:14	07/25/24 06:13	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		07/22/24 13:14	07/25/24 06:13	1

Client Sample ID: FD-071824
Date Collected: 07/18/24 00:00
Date Received: 07/19/24 10:45

Lab Sample ID: 480-221807-4
Matrix: Water

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 06:13	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:13	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 06:13	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		07/22/24 13:14	07/25/24 06:13	1
Caprolactam	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 06:13	1
Carbazole	5.0	U	5.0	0.30	ug/L		07/22/24 13:14	07/25/24 06:13	1
Chrysene	5.0	U	5.0	0.33	ug/L		07/22/24 13:14	07/25/24 06:13	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		07/22/24 13:14	07/25/24 06:13	1
Dibenzofuran	10	U	10	0.51	ug/L		07/22/24 13:14	07/25/24 06:13	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		07/22/24 13:14	07/25/24 06:13	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 06:13	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		07/22/24 13:14	07/25/24 06:13	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 06:13	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:13	1
Fluorene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 06:13	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 06:13	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		07/22/24 13:14	07/25/24 06:13	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 06:13	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 06:13	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 06:13	1
Isophorone	5.0	U	5.0	0.43	ug/L		07/22/24 13:14	07/25/24 06:13	1
Naphthalene	5.0	U	5.0	0.76	ug/L		07/22/24 13:14	07/25/24 06:13	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		07/22/24 13:14	07/25/24 06:13	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 06:13	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 06:13	1
Pentachlorophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 06:13	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		07/22/24 13:14	07/25/24 06:13	1
Phenol	5.0	U	5.0	0.39	ug/L		07/22/24 13:14	07/25/24 06:13	1
Pyrene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 06:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-	*4.3*	*T J N*	*ug/L*		*3.13*	*109-99-9*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*3.21*	*N/A*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Cyclotrisiloxane, hexamethyl-	*2.0*	*T J N*	*ug/L*		*4.59*	*541-05-9*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Unknown	*28*	*T J*	*ug/L*		*4.87*	*N/A*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*5.30*	*N/A*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Unknown	*1.7*	*T J*	*ug/L*		*5.64*	*N/A*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*6.10*	*N/A*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*7.42*	*N/A*	*07/22/24 13:14*	*07/25/24 06:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*114*		*25 - 144*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
2-Fluorobiphenyl	*86*		*53 - 126*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
2-Fluorophenol	*56*		*24 - 120*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Nitrobenzene-d5	*73*		*29 - 129*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Phenol-d5	*46*		*10 - 120*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
p-Terphenyl-d14	*95*		*33 - 132*	*07/22/24 13:14*	*07/25/24 06:13*	*1*

Client Sample ID: FD-071824
Date Collected: 07/18/24 00:00
Date Received: 07/19/24 10:45

Lab Sample ID: 480-221807-4
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.013**	**J**	0.050	0.0092	ug/L		07/19/24 16:10	07/22/24 11:09	1
4,4'-DDE	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 11:09	1
4,4'-DDT	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 11:09	1
Aldrin	0.050	U	0.050	0.0081	ug/L		07/19/24 16:10	07/22/24 11:09	1
alpha-BHC	0.050	U	0.050	0.0077	ug/L		07/19/24 16:10	07/22/24 11:09	1
beta-BHC	0.050	U	0.050	0.025	ug/L		07/19/24 16:10	07/22/24 11:09	1
cis-Chlordane	0.050	U	0.050	0.015	ug/L		07/19/24 16:10	07/22/24 11:09	1
delta-BHC	0.050	U	0.050	0.010	ug/L		07/19/24 16:10	07/22/24 11:09	1
Dieldrin	0.050	U	0.050	0.0098	ug/L		07/19/24 16:10	07/22/24 11:09	1
Endosulfan I	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 11:09	1
Endosulfan II	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 11:09	1
Endosulfan sulfate	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 11:09	1
Endrin	0.050	U	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 11:09	1
Endrin aldehyde	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 11:09	1
Endrin ketone	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 11:09	1
gamma-BHC (Lindane)	**0.011**	**J B**	0.050	0.0080	ug/L		07/19/24 16:10	07/22/24 11:09	1
Heptachlor	0.050	U	0.050	0.0085	ug/L		07/19/24 16:10	07/22/24 11:09	1
Heptachlor epoxide	0.050	U	0.050	0.0074	ug/L		07/19/24 16:10	07/22/24 11:09	1
Methoxychlor	0.050	U	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 11:09	1
Toxaphene	0.50	U	0.50	0.12	ug/L		07/19/24 16:10	07/22/24 11:09	1
trans-Chlordane	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*33*		*10 - 120*	*07/19/24 16:10*	*07/22/24 11:09*	*1*
DCB Decachlorobiphenyl	*33*		*10 - 120*	*07/19/24 16:10*	*07/22/24 11:09*	*1*
Tetrachloro-m-xylene	*46*		*10 - 120*	*07/19/24 16:10*	*07/22/24 11:09*	*1*
Tetrachloro-m-xylene	*43*		*10 - 120*	*07/19/24 16:10*	*07/22/24 11:09*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 09:10	1
PCB-1221	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 09:10	1
PCB-1232	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 09:10	1
PCB-1242	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 09:10	1
PCB-1248	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 09:10	1
PCB-1254	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 09:10	1
PCB-1260	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 09:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*10 - 123*	*07/19/24 16:14*	*07/22/24 09:10*	*1*
DCB Decachlorobiphenyl	*55*		*10 - 123*	*07/19/24 16:14*	*07/22/24 09:10*	*1*
Tetrachloro-m-xylene	*68*		*10 - 145*	*07/19/24 16:14*	*07/22/24 09:10*	*1*
Tetrachloro-m-xylene	*59*		*10 - 145*	*07/19/24 16:14*	*07/22/24 09:10*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**4.0**		4.0	0.25	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluoropentanoic acid (PFPeA)	**6.6**		2.0	0.13	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorohexanoic acid (PFHxA)	**4.1**		2.0	0.52	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluoroheptanoic acid (PFHpA)	**1.5**	**J**	2.0	0.20	ng/L		07/25/24 11:51	07/29/24 21:23	1

Client Sample ID: FD-071824
Date Collected: 07/18/24 00:00
Date Received: 07/19/24 10:45

Lab Sample ID: 480-221807-4
Matrix: Water

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	2.0	U	2.0	0.58	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorononanoic acid (PFNA)	2.0	U	2.0	0.39	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorodecanoic acid (PFDA)	**0.54**	**J**	2.0	0.19	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluoroundecanoic acid (PFUnA)	**0.29**	**J**	2.0	0.26	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.16	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorotridecanoic acid (PFTriA)	2.0	U	2.0	0.29	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorotetradecanoic acid (PFTeDA)	2.0	U	2.0	0.39	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorobutanesulfonic acid (PFBS)	**2.0**		2.0	0.69	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluoropentanesulfonic acid (PFPeS)	2.0	U	2.0	0.33	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorohexanesulfonic acid (PFHxS)	2.0	U	2.0	0.69	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluoroheptanesulfonic acid (PFHpS)	2.0	U	2.0	0.42	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorooctanesulfonic acid (PFOS)	**3.1**		2.0	0.18	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorononanesulfonic acid (PFNS)	2.0	U	2.0	0.26	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.28	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorododecanesulfonic acid (PFDoS)	2.0	U	2.0	0.45	ng/L		07/25/24 11:51	07/29/24 21:23	1
4:2 FTS	4.0	U	4.0	0.55	ng/L		07/25/24 11:51	07/29/24 21:23	1
6:2 FTS	4.0	U	4.0	1.9	ng/L		07/25/24 11:51	07/29/24 21:23	1
8:2 FTS	4.0	U	4.0	1.6	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorooctanesulfonamide (PFOSA)	2.0	U	2.0	0.39	ng/L		07/25/24 11:51	07/29/24 21:23	1
NMeFOSA	2.0	U	2.0	0.63	ng/L		07/25/24 11:51	07/29/24 21:23	1
NEtFOSA	2.0	U	2.0	0.73	ng/L		07/25/24 11:51	07/29/24 21:23	1
NMeFOSAA	2.0	U	2.0	0.79	ng/L		07/25/24 11:51	07/29/24 21:23	1
NEtFOSAA	2.0	U	2.0	0.54	ng/L		07/25/24 11:51	07/29/24 21:23	1
NMeFOSE	9.9	U	9.9	1.7	ng/L		07/25/24 11:51	07/29/24 21:23	1
NEtFOSE	9.9	U	9.9	1.5	ng/L		07/25/24 11:51	07/29/24 21:23	1
HFPO-DA (GenX)	1.5	U	1.5	0.53	ng/L		07/25/24 11:51	07/29/24 21:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.0	U	2.0	0.25	ng/L		07/25/24 11:51	07/29/24 21:23	1
PFMBA	2.0	U	2.0	0.20	ng/L		07/25/24 11:51	07/29/24 21:23	1
NFDHA	2.0	U	2.0	0.53	ng/L		07/25/24 11:51	07/29/24 21:23	1
PFMPA	2.0	U	2.0	0.15	ng/L		07/25/24 11:51	07/29/24 21:23	1
9Cl-PF3ONS	2.0	U	2.0	0.29	ng/L		07/25/24 11:51	07/29/24 21:23	1
11Cl-PF3OUdS	2.0	U	2.0	0.28	ng/L		07/25/24 11:51	07/29/24 21:23	1
PFEESA	2.0	U	2.0	0.17	ng/L		07/25/24 11:51	07/29/24 21:23	1
3:3 FTCA	4.0	U	4.0	0.62	ng/L		07/25/24 11:51	07/29/24 21:23	1
5:3 FTCA	9.9	U	9.9	0.73	ng/L		07/25/24 11:51	07/29/24 21:23	1
7:3 FTCA	9.9	U	9.9	1.4	ng/L		07/25/24 11:51	07/29/24 21:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78.7*		*5 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C5 PFPeA	*75.1*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C5 PFHxA	*78.4*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C4 PFHpA	*82.7*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C8 PFOA	*80.5*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C9 PFNA	*83.6*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C6 PFDA	*82.5*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*

Client Sample ID: FD-071824
Date Collected: 07/18/24 00:00
Date Received: 07/19/24 10:45

Lab Sample ID: 480-221807-4
Matrix: Water

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C7 PFUnA	*82.2*		*30 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C2 PFDoA	*79.9*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C2 PFTeDA	*72.7*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C3 PFBS	*81.8*		*40 - 135*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C3 PFHxS	*83.0*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C8 PFOS	*80.2*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C8 FOSA	*70.7*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
d3-NMeFOSAA	*82.1*		*40 - 170*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
d5-NEtFOSAA	*81.3*		*25 - 135*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
M2-4:2 FTS	*114*		*40 - 200*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
M2-6:2 FTS	*108*		*40 - 200*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
M2-8:2 FTS	*91.3*		*40 - 300*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C3 HFPO-DA	*81.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
d7-N-MeFOSE-M	*63.8*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
d9-N-EtFOSE-M	*64.8*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
d5-NEtPFOSA	*59.6*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
d3-NMePFOSA	*63.5*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**23.7**		0.20	0.060	mg/L		07/22/24 09:20	07/22/24 20:23	1
Antimony	0.020	U	0.020	0.0068	mg/L		07/22/24 09:20	07/22/24 20:23	1
Arsenic	**0.022**		0.015	0.0056	mg/L		07/22/24 09:20	07/23/24 13:10	1
Barium	**0.16**		0.0020	0.00070	mg/L		07/22/24 09:20	07/22/24 20:23	1
Beryllium	**0.0013**	**J**	0.0020	0.00030	mg/L		07/22/24 09:20	07/22/24 20:23	1
Cadmium	**0.00081**	**J**	0.0020	0.00050	mg/L		07/22/24 09:20	07/22/24 20:23	1
Calcium	**211**		0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:23	1
Chromium	**0.026**		0.0040	0.0010	mg/L		07/22/24 09:20	07/22/24 20:23	1
Cobalt	**0.021**		0.0040	0.00063	mg/L		07/22/24 09:20	07/22/24 20:23	1
Copper	**0.058**		0.010	0.0016	mg/L		07/22/24 09:20	07/22/24 20:23	1
Iron	**41.2**		0.050	0.019	mg/L		07/22/24 09:20	07/22/24 20:23	1
Lead	**0.017**		0.010	0.0030	mg/L		07/22/24 09:20	07/22/24 20:23	1
Magnesium	**48.7**		0.20	0.043	mg/L		07/22/24 09:20	07/22/24 20:23	1
Manganese	**2.4**		0.0030	0.00040	mg/L		07/22/24 09:20	07/22/24 20:23	1
Nickel	**0.035**		0.010	0.0013	mg/L		07/22/24 09:20	07/22/24 20:23	1
Potassium	**7.8**		0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:23	1
Selenium	0.025	U	0.025	0.0087	mg/L		07/22/24 09:20	07/22/24 20:23	1
Silver	0.0060	U	0.0060	0.0017	mg/L		07/22/24 09:20	07/22/24 20:23	1
Sodium	**371**		1.0	0.32	mg/L		07/22/24 09:20	07/22/24 20:23	1
Thallium	0.020	U	0.020	0.010	mg/L		07/22/24 09:20	07/22/24 20:23	1
Vanadium	**0.049**		0.0050	0.0015	mg/L		07/22/24 09:20	07/22/24 20:23	1
Zinc	**0.095**		0.010	0.0015	mg/L		07/22/24 09:20	07/22/24 20:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00013**	**J**	0.00060	0.00013	mg/L		07/22/24 10:35	07/22/24 17:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.0084**	**J**	0.010	0.0041	mg/L			07/19/24 20:17	1

Client Sample ID: EB-071824
Lab Sample ID: 480-221807-5

Date Collected: 07/18/24 11:50
Matrix: Water

Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/22/24 18:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 18:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/22/24 18:27	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/22/24 18:27	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/22/24 18:27	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/22/24 18:27	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/24 18:27	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/22/24 18:27	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/22/24 18:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/22/24 18:27	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 18:27	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/22/24 18:27	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/22/24 18:27	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/22/24 18:27	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/22/24 18:27	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/22/24 18:27	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/22/24 18:27	1
Acetone	10	U	10	3.0	ug/L			07/22/24 18:27	1
Benzene	1.0	U	1.0	0.41	ug/L			07/22/24 18:27	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/22/24 18:27	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/22/24 18:27	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/22/24 18:27	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/22/24 18:27	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/22/24 18:27	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/22/24 18:27	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/22/24 18:27	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/22/24 18:27	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/22/24 18:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/22/24 18:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/24 18:27	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/22/24 18:27	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/22/24 18:27	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/22/24 18:27	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/22/24 18:27	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/22/24 18:27	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/22/24 18:27	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/22/24 18:27	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/22/24 18:27	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/22/24 18:27	1
Styrene	1.0	U	1.0	0.73	ug/L			07/22/24 18:27	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			07/22/24 18:27	1
Toluene	1.0	U	1.0	0.51	ug/L			07/22/24 18:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/22/24 18:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/22/24 18:27	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/22/24 18:27	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/22/24 18:27	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/22/24 18:27	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/22/24 18:27	1

Client Sample ID: EB-071824
Date Collected: 07/18/24 11:50
Date Received: 07/19/24 10:45

Lab Sample ID: 480-221807-5
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		07/22/24 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		07/22/24 18:27	1
4-Bromofluorobenzene (Surr)	94		73 - 120		07/22/24 18:27	1
Dibromofluoromethane (Surr)	108		75 - 123		07/22/24 18:27	1
Toluene-d8 (Surr)	108		80 - 120		07/22/24 18:27	1

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		07/23/24 07:26	07/24/24 17:48	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		15 - 110	07/23/24 07:26	07/24/24 17:48	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10	U	10	1.1	ug/L		07/22/24 13:14	07/25/24 06:40	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 06:40	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		07/22/24 13:14	07/25/24 06:40	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 06:40	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		07/22/24 13:14	07/25/24 06:40	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 06:40	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 06:40	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:40	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 06:40	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		07/22/24 13:14	07/25/24 06:40	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		07/22/24 13:14	07/25/24 06:40	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:40	1
2-Nitroaniline	10	U	10	0.42	ug/L		07/22/24 13:14	07/25/24 06:40	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 06:40	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:40	1
3-Nitroaniline	10	U	10	0.48	ug/L		07/22/24 13:14	07/25/24 06:40	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 06:40	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 06:40	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 06:40	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 06:40	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 06:40	1
4-Methylphenol	10	U	10	0.36	ug/L		07/22/24 13:14	07/25/24 06:40	1
4-Nitroaniline	10	U	10	0.25	ug/L		07/22/24 13:14	07/25/24 06:40	1
4-Nitrophenol	10	U	10	1.5	ug/L		07/22/24 13:14	07/25/24 06:40	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		07/22/24 13:14	07/25/24 06:40	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		07/22/24 13:14	07/25/24 06:40	1
Acetophenone	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 06:40	1
Anthracene	5.0	U	5.0	0.28	ug/L		07/22/24 13:14	07/25/24 06:40	1
Atrazine	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 06:40	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		07/22/24 13:14	07/25/24 06:40	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 06:40	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 06:40	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 06:40	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 06:40	1

Client Sample ID: EB-071824
Lab Sample ID: 480-221807-5

Date Collected: 07/18/24 11:50
Matrix: Water

Date Received: 07/19/24 10:45

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		07/22/24 13:14	07/25/24 06:40	1
Biphenyl	5.0	U	5.0	0.65	ug/L		07/22/24 13:14	07/25/24 06:40	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		07/22/24 13:14	07/25/24 06:40	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 06:40	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:40	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 06:40	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		07/22/24 13:14	07/25/24 06:40	1
Caprolactam	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 06:40	1
Carbazole	5.0	U	5.0	0.30	ug/L		07/22/24 13:14	07/25/24 06:40	1
Chrysene	5.0	U	5.0	0.33	ug/L		07/22/24 13:14	07/25/24 06:40	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		07/22/24 13:14	07/25/24 06:40	1
Dibenzofuran	10	U	10	0.51	ug/L		07/22/24 13:14	07/25/24 06:40	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		07/22/24 13:14	07/25/24 06:40	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 06:40	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		07/22/24 13:14	07/25/24 06:40	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 06:40	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:40	1
Fluorene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 06:40	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 06:40	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		07/22/24 13:14	07/25/24 06:40	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 06:40	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 06:40	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 06:40	1
Isophorone	5.0	U	5.0	0.43	ug/L		07/22/24 13:14	07/25/24 06:40	1
Naphthalene	5.0	U	5.0	0.76	ug/L		07/22/24 13:14	07/25/24 06:40	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		07/22/24 13:14	07/25/24 06:40	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 06:40	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 06:40	1
Pentachlorophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 06:40	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		07/22/24 13:14	07/25/24 06:40	1
Phenol	5.0	U	5.0	0.39	ug/L		07/22/24 13:14	07/25/24 06:40	1
Pyrene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 06:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-	*4.1*	*T J N*	*ug/L*		*3.13*	*109-99-9*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*3.21*	*N/A*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
Unknown	*27*	*T J*	*ug/L*		*4.87*	*N/A*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*5.30*	*N/A*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
Unknown	*1.7*	*T J*	*ug/L*		*5.64*	*N/A*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*6.10*	*N/A*	*07/22/24 13:14*	*07/25/24 06:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*25 - 144*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
2-Fluorobiphenyl	*78*		*53 - 126*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
2-Fluorophenol	*53*		*24 - 120*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
Nitrobenzene-d5	*69*		*29 - 129*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
Phenol-d5	*41*		*10 - 120*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
p-Terphenyl-d14	*96*		*33 - 132*	*07/22/24 13:14*	*07/25/24 06:40*	*1*

Client Sample ID: EB-071824
Date Collected: 07/18/24 11:50
Date Received: 07/19/24 10:45

Lab Sample ID: 480-221807-5
Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.050	U	0.050	0.0092	ug/L		07/19/24 16:10	07/22/24 11:28	1
4,4'-DDE	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 11:28	1
4,4'-DDT	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 11:28	1
Aldrin	0.050	U	0.050	0.0081	ug/L		07/19/24 16:10	07/22/24 11:28	1
alpha-BHC	**0.0083**	**J**	0.050	0.0077	ug/L		07/19/24 16:10	07/22/24 11:28	1
beta-BHC	0.050	U	0.050	0.025	ug/L		07/19/24 16:10	07/22/24 11:28	1
cis-Chlordane	0.050	U	0.050	0.015	ug/L		07/19/24 16:10	07/22/24 11:28	1
delta-BHC	0.050	U	0.050	0.010	ug/L		07/19/24 16:10	07/22/24 11:28	1
Dieldrin	0.050	U	0.050	0.0098	ug/L		07/19/24 16:10	07/22/24 11:28	1
Endosulfan I	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 11:28	1
Endosulfan II	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 11:28	1
Endosulfan sulfate	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 11:28	1
Endrin	0.050	U	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 11:28	1
Endrin aldehyde	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 11:28	1
Endrin ketone	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 11:28	1
gamma-BHC (Lindane)	**0.0089**	**J B**	0.050	0.0080	ug/L		07/19/24 16:10	07/22/24 11:28	1
Heptachlor	0.050	U	0.050	0.0085	ug/L		07/19/24 16:10	07/22/24 11:28	1
Heptachlor epoxide	0.050	U	0.050	0.0074	ug/L		07/19/24 16:10	07/22/24 11:28	1
Methoxychlor	**0.041**	**J B**	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 11:28	1
Toxaphene	0.50	U	0.50	0.12	ug/L		07/19/24 16:10	07/22/24 11:28	1
trans-Chlordane	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*		*10 - 120*	*07/19/24 16:10*	*07/22/24 11:28*	*1*
DCB Decachlorobiphenyl	*43*		*10 - 120*	*07/19/24 16:10*	*07/22/24 11:28*	*1*
Tetrachloro-m-xylene	*52*		*10 - 120*	*07/19/24 16:10*	*07/22/24 11:28*	*1*
Tetrachloro-m-xylene	*46*		*10 - 120*	*07/19/24 16:10*	*07/22/24 11:28*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.54	U	0.54	0.19	ug/L		07/19/24 16:14	07/22/24 09:27	1
PCB-1221	0.54	U	0.54	0.19	ug/L		07/19/24 16:14	07/22/24 09:27	1
PCB-1232	0.54	U	0.54	0.19	ug/L		07/19/24 16:14	07/22/24 09:27	1
PCB-1242	0.54	U	0.54	0.19	ug/L		07/19/24 16:14	07/22/24 09:27	1
PCB-1248	0.54	U	0.54	0.19	ug/L		07/19/24 16:14	07/22/24 09:27	1
PCB-1254	0.54	U	0.54	0.27	ug/L		07/19/24 16:14	07/22/24 09:27	1
PCB-1260	0.54	U	0.54	0.27	ug/L		07/19/24 16:14	07/22/24 09:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*10 - 123*	*07/19/24 16:14*	*07/22/24 09:27*	*1*
DCB Decachlorobiphenyl	*54*		*10 - 123*	*07/19/24 16:14*	*07/22/24 09:27*	*1*
Tetrachloro-m-xylene	*69*		*10 - 145*	*07/19/24 16:14*	*07/22/24 09:27*	*1*
Tetrachloro-m-xylene	*55*		*10 - 145*	*07/19/24 16:14*	*07/22/24 09:27*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.3	U	3.3	0.20	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluoropentanoic acid (PFPeA)	1.6	U	1.6	0.11	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorohexanoic acid (PFHxA)	1.6	U	1.6	0.43	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluoroheptanoic acid (PFHpA)	1.6	U	1.6	0.16	ng/L		07/25/24 11:51	07/29/24 21:42	1

Client Sample ID: EB-071824
Lab Sample ID: 480-221807-5

Date Collected: 07/18/24 11:50
Matrix: Water

Date Received: 07/19/24 10:45

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	1.6	U	1.6	0.47	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorononanoic acid (PFNA)	1.6	U	1.6	0.32	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorodecanoic acid (PFDA)	1.6	U	1.6	0.16	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluoroundecanoic acid (PFUnA)	1.6	U	1.6	0.21	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorododecanoic acid (PFDoA)	1.6	U	1.6	0.13	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorotridecanoic acid (PFTriA)	1.6	U	1.6	0.24	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorotetradecanoic acid (PFTeDA)	1.6	U	1.6	0.32	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorobutanesulfonic acid (PFBS)	1.6	U	1.6	0.57	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluoropentanesulfonic acid (PFPeS)	1.6	U	1.6	0.27	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorohexanesulfonic acid (PFHxS)	1.6	U	1.6	0.57	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluoroheptanesulfonic acid (PFHpS)	1.6	U	1.6	0.35	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorooctanesulfonic acid (PFOS)	1.6	U	1.6	0.15	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorononanesulfonic acid (PFNS)	1.6	U	1.6	0.21	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorodecanesulfonic acid (PFDS)	1.6	U	1.6	0.23	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorododecanesulfonic acid (PFDoS)	1.6	U	1.6	0.37	ng/L		07/25/24 11:51	07/29/24 21:42	1
4:2 FTS	3.3	U	3.3	0.45	ng/L		07/25/24 11:51	07/29/24 21:42	1
6:2 FTS	3.3	U	3.3	1.5	ng/L		07/25/24 11:51	07/29/24 21:42	1
8:2 FTS	3.3	U	3.3	1.3	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorooctanesulfonamide (PFOSA)	1.6	U	1.6	0.32	ng/L		07/25/24 11:51	07/29/24 21:42	1
NMeFOSA	1.6	U	1.6	0.52	ng/L		07/25/24 11:51	07/29/24 21:42	1
NEtFOSA	1.6	U	1.6	0.60	ng/L		07/25/24 11:51	07/29/24 21:42	1
NMeFOSAA	1.6	U	1.6	0.65	ng/L		07/25/24 11:51	07/29/24 21:42	1
NEtFOSAA	1.6	U	1.6	0.44	ng/L		07/25/24 11:51	07/29/24 21:42	1
NMeFOSE	8.2	U	8.2	1.4	ng/L		07/25/24 11:51	07/29/24 21:42	1
NEtFOSE	8.2	U	8.2	1.2	ng/L		07/25/24 11:51	07/29/24 21:42	1
HFPO-DA (GenX)	1.2	U	1.2	0.43	ng/L		07/25/24 11:51	07/29/24 21:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.6	U	1.6	0.20	ng/L		07/25/24 11:51	07/29/24 21:42	1
PFMBA	1.6	U	1.6	0.17	ng/L		07/25/24 11:51	07/29/24 21:42	1
NFDHA	1.6	U	1.6	0.43	ng/L		07/25/24 11:51	07/29/24 21:42	1
PFMPA	1.6	U	1.6	0.12	ng/L		07/25/24 11:51	07/29/24 21:42	1
9Cl-PF3ONS	1.6	U	1.6	0.24	ng/L		07/25/24 11:51	07/29/24 21:42	1
11Cl-PF3OUdS	1.6	U	1.6	0.23	ng/L		07/25/24 11:51	07/29/24 21:42	1
PFEESA	1.6	U	1.6	0.14	ng/L		07/25/24 11:51	07/29/24 21:42	1
3:3 FTCA	3.3	U	3.3	0.51	ng/L		07/25/24 11:51	07/29/24 21:42	1
5:3 FTCA	8.2	U	8.2	0.60	ng/L		07/25/24 11:51	07/29/24 21:42	1
7:3 FTCA	8.2	U	8.2	1.2	ng/L		07/25/24 11:51	07/29/24 21:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81.7*		*5 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C5 PFPeA	*86.3*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C5 PFHxA	*82.8*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C4 PFHpA	*88.8*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C8 PFOA	*81.2*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C9 PFNA	*80.0*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C6 PFDA	*78.2*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C7 PFUnA	*77.6*		*30 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C2 PFDoA	*75.9*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*

Client Sample ID: EB-071824
Date Collected: 07/18/24 11:50
Date Received: 07/19/24 10:45

Lab Sample ID: 480-221807-5
Matrix: Water

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C2 PFTeDA	*71.0*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C3 PFBS	*82.1*		*40 - 135*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C3 PFHxS	*77.2*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C8 PFOS	*76.6*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C8 FOSA	*71.1*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
d3-NMeFOSAA	*79.6*		*40 - 170*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
d5-NEtFOSAA	*79.3*		*25 - 135*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
M2-4:2 FTS	*83.2*		*40 - 200*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
M2-6:2 FTS	*89.6*		*40 - 200*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
M2-8:2 FTS	*85.5*		*40 - 300*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C3 HFPO-DA	*91.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
d7-N-MeFOSE-M	*67.4*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
d9-N-EtFOSE-M	*65.7*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
d5-NEtPFOSA	*59.7*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
d3-NMePFOSA	*60.1*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.20	U	0.20	0.060	mg/L		07/22/24 09:20	07/22/24 20:25	1
Antimony	0.020	U	0.020	0.0068	mg/L		07/22/24 09:20	07/22/24 20:25	1
Arsenic	0.015	U	0.015	0.0056	mg/L		07/22/24 09:20	07/23/24 13:12	1
Barium	0.0020	U	0.0020	0.00070	mg/L		07/22/24 09:20	07/22/24 20:25	1
Beryllium	0.0020	U	0.0020	0.00030	mg/L		07/22/24 09:20	07/22/24 20:25	1
Cadmium	0.0020	U	0.0020	0.00050	mg/L		07/22/24 09:20	07/22/24 20:25	1
Calcium	0.50	U	0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:25	1
Chromium	0.0040	U	0.0040	0.0010	mg/L		07/22/24 09:20	07/22/24 20:25	1
Cobalt	0.0040	U	0.0040	0.00063	mg/L		07/22/24 09:20	07/22/24 20:25	1
Copper	0.010	U	0.010	0.0016	mg/L		07/22/24 09:20	07/22/24 20:25	1
Iron	0.050	U	0.050	0.019	mg/L		07/22/24 09:20	07/22/24 20:25	1
Lead	0.010	U	0.010	0.0030	mg/L		07/22/24 09:20	07/22/24 20:25	1
Magnesium	0.20	U	0.20	0.043	mg/L		07/22/24 09:20	07/22/24 20:25	1
Manganese	0.0030	U	0.0030	0.00040	mg/L		07/22/24 09:20	07/22/24 20:25	1
Nickel	0.010	U	0.010	0.0013	mg/L		07/22/24 09:20	07/22/24 20:25	1
Potassium	0.50	U	0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:25	1
Selenium	0.025	U	0.025	0.0087	mg/L		07/22/24 09:20	07/22/24 20:25	1
Silver	0.0060	U	0.0060	0.0017	mg/L		07/22/24 09:20	07/22/24 20:25	1
Sodium	**0.39**	J	1.0	0.32	mg/L		07/22/24 09:20	07/22/24 20:25	1
Thallium	0.020	U	0.020	0.010	mg/L		07/22/24 09:20	07/22/24 20:25	1
Vanadium	0.0050	U	0.0050	0.0015	mg/L		07/22/24 09:20	07/22/24 20:25	1
Zinc	0.010	U	0.010	0.0015	mg/L		07/22/24 09:20	07/22/24 20:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000042	mg/L		07/22/24 10:35	07/22/24 17:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0041	mg/L			07/19/24 20:21	1

Client Sample ID: REAGENT-071824
Lab Sample ID: 480-221807-6

Date Collected: 07/18/24 09:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.0	U	3.0	0.18	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluoropentanoic acid (PFPeA)	1.5	U	1.5	0.096	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorohexanoic acid (PFHxA)	1.5	U	1.5	0.39	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluoroheptanoic acid (PFHpA)	1.5	U	1.5	0.15	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorooctanoic acid (PFOA)	1.5	U	1.5	0.43	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorononanoic acid (PFNA)	1.5	U	1.5	0.29	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorodecanoic acid (PFDA)	1.5	U	1.5	0.14	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluoroundecanoic acid (PFUnA)	1.5	U	1.5	0.19	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorododecanoic acid (PFDoA)	1.5	U	1.5	0.12	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorotridecanoic acid (PFTriA)	1.5	U	1.5	0.22	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorotetradecanoic acid (PFTeDA)	1.5	U	1.5	0.29	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorobutanesulfonic acid (PFBS)	1.5	U	1.5	0.52	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluoropentanesulfonic acid (PFPeS)	1.5	U	1.5	0.25	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorohexanesulfonic acid (PFHxS)	1.5	U	1.5	0.52	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluoroheptanesulfonic acid (PFHpS)	1.5	U	1.5	0.31	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorooctanesulfonic acid (PFOS)	1.5	U	1.5	0.14	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorononanesulfonic acid (PFNS)	1.5	U	1.5	0.19	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorodecanesulfonic acid (PFDS)	1.5	U	1.5	0.21	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorododecanesulfonic acid (PFDoS)	1.5	U	1.5	0.34	ng/L		07/25/24 11:51	07/29/24 22:02	1
4:2 FTS	3.0	U	3.0	0.41	ng/L		07/25/24 11:51	07/29/24 22:02	1
6:2 FTS	3.0	U	3.0	1.4	ng/L		07/25/24 11:51	07/29/24 22:02	1
8:2 FTS	3.0	U	3.0	1.2	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorooctanesulfonamide (PFOSA)	1.5	U	1.5	0.29	ng/L		07/25/24 11:51	07/29/24 22:02	1
NMeFOSA	1.5	U	1.5	0.47	ng/L		07/25/24 11:51	07/29/24 22:02	1
NEtFOSA	1.5	U	1.5	0.54	ng/L		07/25/24 11:51	07/29/24 22:02	1
NMeFOSAA	1.5	U	1.5	0.59	ng/L		07/25/24 11:51	07/29/24 22:02	1
NEtFOSAA	1.5	U	1.5	0.40	ng/L		07/25/24 11:51	07/29/24 22:02	1
NMeFOSE	7.4	U	7.4	1.3	ng/L		07/25/24 11:51	07/29/24 22:02	1
NEtFOSE	7.4	U	7.4	1.1	ng/L		07/25/24 11:51	07/29/24 22:02	1
HFPO-DA (GenX)	1.1	U	1.1	0.39	ng/L		07/25/24 11:51	07/29/24 22:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.5	U	1.5	0.18	ng/L		07/25/24 11:51	07/29/24 22:02	1
PFMBA	1.5	U	1.5	0.15	ng/L		07/25/24 11:51	07/29/24 22:02	1
NFDHA	1.5	U	1.5	0.39	ng/L		07/25/24 11:51	07/29/24 22:02	1
PFMPA	1.5	U	1.5	0.11	ng/L		07/25/24 11:51	07/29/24 22:02	1
9Cl-PF3ONS	1.5	U	1.5	0.21	ng/L		07/25/24 11:51	07/29/24 22:02	1
11Cl-PF3OUdS	1.5	U	1.5	0.21	ng/L		07/25/24 11:51	07/29/24 22:02	1
PFEESA	1.5	U	1.5	0.13	ng/L		07/25/24 11:51	07/29/24 22:02	1
3:3 FTCA	3.0	U	3.0	0.46	ng/L		07/25/24 11:51	07/29/24 22:02	1
5:3 FTCA	7.4	U	7.4	0.54	ng/L		07/25/24 11:51	07/29/24 22:02	1
7:3 FTCA	7.4	U	7.4	1.1	ng/L		07/25/24 11:51	07/29/24 22:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84.0*		*5 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C5 PFPeA	*85.2*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C5 PFHxA	*86.0*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C4 PFHpA	*92.0*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C8 PFOA	*81.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*

Client Sample ID: REAGENT-071824
Lab Sample ID: 480-221807-6

Date Collected: 07/18/24 09:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C9 PFNA	*82.3*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C6 PFDA	*85.5*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C7 PFUnA	*83.0*		*30 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C2 PFDoA	*78.7*		*10 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C2 PFTeDA	*73.8*		*10 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C3 PFBS	*83.8*		*40 - 135*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C3 PFHxS	*80.4*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C8 PFOS	*82.1*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C8 FOSA	*68.6*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
d3-NMeFOSAA	*80.2*		*40 - 170*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
d5-NEtFOSAA	*81.6*		*25 - 135*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
M2-4:2 FTS	*78.3*		*40 - 200*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
M2-6:2 FTS	*91.3*		*40 - 200*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
M2-8:2 FTS	*89.5*		*40 - 300*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C3 HFPO-DA	*89.2*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
d7-N-MeFOSE-M	*70.6*		*10 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
d9-N-EtFOSE-M	*68.1*		*10 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
d5-NEtPFOSA	*63.2*		*10 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
d3-NMePFOSA	*61.9*		*10 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*

Client Sample ID: TB-02-071824
Lab Sample ID: 480-221807-7

Date Collected: 07/18/24 00:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/22/24 18:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/22/24 18:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/22/24 18:03	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/22/24 18:03	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/22/24 18:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/24 18:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/22/24 18:03	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/22/24 18:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/22/24 18:03	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 18:03	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/22/24 18:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/22/24 18:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/22/24 18:03	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/22/24 18:03	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/22/24 18:03	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/22/24 18:03	1
Acetone	10	U	10	3.0	ug/L			07/22/24 18:03	1
Benzene	1.0	U	1.0	0.41	ug/L			07/22/24 18:03	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/22/24 18:03	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/22/24 18:03	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/22/24 18:03	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/22/24 18:03	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/22/24 18:03	1

Client Sample ID: TB-02-071824
Lab Sample ID: 480-221807-7

Date Collected: 07/18/24 00:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/22/24 18:03	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/22/24 18:03	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/22/24 18:03	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/22/24 18:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/22/24 18:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/24 18:03	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/22/24 18:03	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/22/24 18:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/22/24 18:03	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/22/24 18:03	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/22/24 18:03	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/22/24 18:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/22/24 18:03	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/22/24 18:03	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/22/24 18:03	1
Styrene	1.0	U	1.0	0.73	ug/L			07/22/24 18:03	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			07/22/24 18:03	1
Toluene	**0.66**	**J**	1.0	0.51	ug/L			07/22/24 18:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/22/24 18:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/22/24 18:03	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/22/24 18:03	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/22/24 18:03	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/22/24 18:03	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/22/24 18:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*07/22/24 18:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*07/22/24 18:03*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*07/22/24 18:03*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*07/22/24 18:03*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*07/22/24 18:03*	*1*

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N8883.d

Lab ID: 480-221807-1 MS Client ID: GW-MW-3-071824-MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	1.0 U	32.9	132	73-126	F1
1,1,2,2-Tetrachloroethane	25.0	1.0 U	30.0	120	76-120	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	1.0 U	33.4	134	61-148	
1,1,2-Trichloroethane	25.0	1.0 U	32.0	128	76-122	F1
1,1-Dichloroethane	25.0	1.0 U	32.8	131	77-120	F1
1,1-Dichloroethene	25.0	1.0 U	36.2	145	66-127	F1
1,2,4-Trichlorobenzene	25.0	1.0 U	32.8	131	79-122	F1
1,2-Dibromo-3-Chloropropane	25.0	1.0 U	32.4	130	56-134	
1,2-Dibromoethane	25.0	1.0 U	30.0	120	77-120	
1,2-Dichlorobenzene	25.0	1.0 U	31.4	126	80-124	F1
1,2-Dichloroethane	25.0	1.0 U	30.9	124	75-120	F1
1,2-Dichloropropane	25.0	1.0 U	30.6	122	76-120	F1
1,3-Dichlorobenzene	25.0	1.0 U	31.1	125	77-120	F1
1,4-Dichlorobenzene	25.0	1.0 U	30.2	121	78-124	
2-Butanone (MEK)	125	10 U	162	130	57-140	
2-Hexanone	125	5.0 U	140	112	65-127	
4-Methyl-2-pentanone (MIBK)	125	5.0 U	154	123	71-125	
Acetone	125	10 U	194	155	56-142	F1
Benzene	25.0	1.0 U	31.9	128	71-124	F1
Bromodichloromethane	25.0	1.0 U	31.6	126	80-122	F1
Bromoform	25.0	1.0 U	31.1	124	61-132	
Bromomethane	25.0	1.0 U	27.6	111	55-144	
Carbon disulfide	25.0	1.0 U	30.2	121	59-134	
Carbon tetrachloride	25.0	1.0 U	33.1	132	72-134	
Chlorobenzene	25.0	1.0 U	31.3	125	80-120	F1
Chloroethane	25.0	1.0 U	28.5	114	69-136	
Chloroform	25.0	1.0 U	28.4	113	73-127	
Chloromethane	25.0	1.0 U	31.7	127	68-124	F1
cis-1,2-Dichloroethene	25.0	0.91 J	33.1	129	74-124	F1
cis-1,3-Dichloropropene	25.0	1.0 U	31.2	125	74-124	F1
Cyclohexane	25.0	1.0 U	32.1	129	59-135	
Dibromochloromethane	25.0	1.0 U	31.2	125	75-125	
Dichlorodifluoromethane	25.0	1.0 U	28.7	115	59-135	
Ethylbenzene	25.0	1.0 U	32.2	129	77-123	F1
Isopropylbenzene	25.0	1.0 U	32.0	128	77-122	F1
Methyl acetate	50.0	2.5 U	61.4	123	74-133	
Methyl tert-butyl ether	25.0	1.0 U	30.6	122	77-120	F1
Methylcyclohexane	25.0	1.0 U	32.6	131	68-134	
Methylene Chloride	25.0	1.0 U	31.6	126	75-124	F1
Styrene	25.0	1.0 U	31.9	127	80-120	F1
Tetrachloroethene	25.0	25	58.9	135	74-122	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N8884.d

Lab ID: 480-221807-1 MSD Client ID: GW-MW-3-071824-MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	32.9	132	0	15	73-126	F1
1,1,2,2-Tetrachloroethane	25.0	31.2	125	4	15	76-120	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	31.8	127	5	20	61-148	
1,1,2-Trichloroethane	25.0	32.6	131	2	15	76-122	F1
1,1-Dichloroethane	25.0	31.6	126	4	20	77-120	F1
1,1-Dichloroethene	25.0	33.5	134	8	16	66-127	F1
1,2,4-Trichlorobenzene	25.0	30.6	122	7	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	32.3	129	0	15	56-134	
1,2-Dibromoethane	25.0	30.3	121	1	15	77-120	F1
1,2-Dichlorobenzene	25.0	31.9	128	2	20	80-124	F1
1,2-Dichloroethane	25.0	31.6	126	2	20	75-120	F1
1,2-Dichloropropane	25.0	30.8	123	1	20	76-120	F1
1,3-Dichlorobenzene	25.0	31.7	127	2	20	77-120	F1
1,4-Dichlorobenzene	25.0	30.9	124	2	20	78-124	
2-Butanone (MEK)	125	160	128	1	20	57-140	
2-Hexanone	125	144	115	3	15	65-127	
4-Methyl-2-pentanone (MIBK)	125	155	124	1	35	71-125	
Acetone	125	131	105	39	15	56-142	F2
Benzene	25.0	31.3	125	2	13	71-124	F1
Bromodichloromethane	25.0	32.5	130	3	15	80-122	F1
Bromoform	25.0	33.7	135	8	15	61-132	F1
Bromomethane	25.0	29.3	117	6	15	55-144	
Carbon disulfide	25.0	29.2	117	3	15	59-134	
Carbon tetrachloride	25.0	32.8	131	1	15	72-134	
Chlorobenzene	25.0	31.3	125	0	25	80-120	F1
Chloroethane	25.0	32.9	132	14	15	69-136	
Chloroform	25.0	27.9	111	2	20	73-127	
Chloromethane	25.0	32.4	130	2	15	68-124	F1
cis-1,2-Dichloroethene	25.0	31.9	124	3	15	74-124	
cis-1,3-Dichloropropene	25.0	31.5	126	1	15	74-124	F1
Cyclohexane	25.0	31.8	127	1	20	59-135	
Dibromochloromethane	25.0	32.7	131	5	15	75-125	F1
Dichlorodifluoromethane	25.0	28.5	114	1	20	59-135	
Ethylbenzene	25.0	31.2	125	3	15	77-123	F1
Isopropylbenzene	25.0	33.0	132	3	20	77-122	F1
Methyl acetate	50.0	56.4	113	9	20	74-133	
Methyl tert-butyl ether	25.0	30.0	120	2	37	77-120	
Methylcyclohexane	25.0	31.1	125	5	20	68-134	
Methylene Chloride	25.0	30.9	124	2	15	75-124	
Styrene	25.0	31.3	125	2	20	80-120	F1
Tetrachloroethene	25.0	58.4	133	1	20	74-122	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Lab Sample ID: CCVIS 480-719153/5 Calibration Date: 07/22/2024 12:19

Instrument ID: HP5973N Calib Start Date: 06/12/2024 15:28

GC Column: ZB-624 (20) ID: 0.18(mm) Calib End Date: 06/12/2024 18:07

Lab File ID: N8860.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Lin1		1.917	0.1000	24.5	25.0	-2.1	20.0
1,2-Dichloropropane	Ave	1.243	1.294	0.1000	26.0	25.0	4.1	20.0
Dibromomethane	Ave	0.6783	0.7299	0.1000	26.9	25.0	7.6	20.0
1,4-Dioxane	Lin1		0.0022		268	500	-46.4	50.0
Bromodichloromethane	Ave	1.267	1.440	0.2000	28.4	25.0	13.6	20.0
2-Chloroethyl vinyl ether	Ave	0.8059	0.9415		29.2	25.0	16.8	20.0
cis-1,3-Dichloropropene	Ave	1.453	1.740	0.2000	29.9	25.0	19.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2769	0.2701	0.1000	122	125	-2.5	20.0
Toluene	Ave	0.6716	0.6969	0.4000	25.9	25.0	3.8	20.0
trans-1,3-Dichloropropene	Ave	0.3822	0.4319	0.1000	28.2	25.0	13.0	20.0
Ethyl methacrylate	Ave	0.3935	0.4163		26.4	25.0	5.8	20.0
1,1,2-Trichloroethane	Ave	0.2019	0.2323	0.1000	28.8	25.0	15.1	20.0
Tetrachloroethene	Ave	0.2900	0.3213	0.2000	27.7	25.0	10.8	20.0
1,3-Dichloropropane	Ave	0.4107	0.4334		26.4	25.0	5.5	20.0
2-Hexanone	Ave	0.6630	0.6333	0.1000	119	125	-4.5	20.0
Dibromochloromethane	Ave	0.2643	0.3108	0.1000	29.4	25.0	17.6	20.0
1,2-Dibromoethane	Ave	0.2688	0.2986		27.8	25.0	11.1	20.0
Chlorobenzene	Ave	0.7623	0.8114	0.5000	26.6	25.0	6.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2977	0.3169		26.6	25.0	6.4	20.0
Ethylbenzene	Ave	1.316	1.348	0.1000	25.6	25.0	2.4	20.0
m,p-Xylene	Ave	0.5185	0.5512	0.1000	26.6	25.0	6.3	20.0
o-Xylene	Ave	0.5468	0.5564	0.3000	25.4	25.0	1.7	20.0
Styrene	Ave	0.8047	0.8596	0.3000	26.7	25.0	6.8	20.0
Bromoform	Ave	0.1721	0.2162	0.1000	31.4	25.0	25.6	50.0
Isopropylbenzene	Ave	2.331	2.437	0.1000	26.1	25.0	4.5	20.0
Bromobenzene	Ave	0.6061	0.6470		26.7	25.0	6.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7177	0.7466	0.3000	26.0	25.0	4.0	20.0
N-Propylbenzene	Ave	2.725	2.848		26.1	25.0	4.5	20.0
1,2,3-Trichloropropane	Ave	0.2280	0.2322		25.5	25.0	1.8	20.0
trans-1,4-Dichloro-2-butene	Lin1		0.3550		28.0	25.0	12.1	50.0
2-Chlorotoluene	Ave	0.5718	0.6019		26.3	25.0	5.3	20.0
1,3,5-Trimethylbenzene	Ave	1.991	2.091		26.3	25.0	5.0	20.0
4-Chlorotoluene	Ave	1.802	1.921		26.7	25.0	6.6	20.0
tert-Butylbenzene	Lin1		0.4835		26.1	25.0	4.3	20.0
1,2,4-Trimethylbenzene	Ave	2.068	2.122		25.7	25.0	2.6	20.0
sec-Butylbenzene	Lin1		2.629		24.9	25.0	-0.5	20.0
1,3-Dichlorobenzene	Ave	1.164	1.242	0.6000	26.7	25.0	6.7	20.0
4-Isopropyltoluene	Ave	2.350	2.422		25.8	25.0	3.1	20.0
1,4-Dichlorobenzene	Ave	1.204	1.254	0.5000	26.0	25.0	4.1	20.0
n-Butylbenzene	Ave	1.999	1.972		24.7	25.0	-1.4	20.0
1,2-Dichlorobenzene	Ave	1.175	1.225	0.4000	26.1	25.0	4.3	20.0

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Matrix: Water Level: Low Lab File ID: W100259319.d

Lab ID: 480-221807-1 MS Client ID: GW-MW-3-071824-MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,4-Dioxane	32.0	10 U	17.8	56	32-120	
2,4,5-Trichlorophenol	32.0	5.0 U	30.4	95	65-126	
2,4,6-Trichlorophenol	32.0	5.0 U	30.4	95	64-120	
2,4-Dichlorophenol	32.0	5.0 U	25.9	81	48-132	
2,4-Dimethylphenol	32.0	5.0 U	36.1	113	39-130	
2,4-Dinitrophenol	64.0	10 U	80.6	126	21-150	
2,4-Dinitrotoluene	32.0	5.0 U	34.4	108	54-138	
2,6-Dinitrotoluene	32.0	5.0 U	31.1	97	17-150	
2-Chloronaphthalene	32.0	5.0 U	25.2	79	52-124	
2-Chlorophenol	32.0	5.0 U	25.0	78	48-120	
2-Methylnaphthalene	32.0	5.0 U	22.5	70	34-140	
2-Methylphenol	32.0	5.0 U	25.6	80	46-120	
2-Nitroaniline	32.0	10 U	31.2	97	44-136	
2-Nitrophenol	32.0	5.0 U	27.7	86	38-141	
3,3'-Dichlorobenzidine	64.0	5.0 U	64.5	101	10-150	
3-Nitroaniline	32.0	10 U	21.8	68	32-150	
4,6-Dinitro-2-methylphenol	64.0	10 U	78.5	123	38-150	
4-Bromophenyl phenyl ether	32.0	5.0 U	33.1	103	63-126	
4-Chloro-3-methylphenol	32.0	5.0 U	29.3	91	64-127	
4-Chloroaniline	32.0	5.0 U	21.9	68	16-124	
4-Chlorophenyl phenyl ether	32.0	5.0 U	29.7	93	61-120	
4-Methylphenol	32.0	10 U	24.4	76	36-120	
4-Nitroaniline	32.0	10 U	31.4	98	32-150	
4-Nitrophenol	64.0	10 U	57.1	89	23-132	
Acenaphthene	32.0	5.0 U	27.6	86	48-120	
Acenaphthylene	32.0	5.0 U	29.8	93	63-120	
Acetophenone	32.0	5.0 U	26.1	82	53-120	
Anthracene	32.0	5.0 U	32.8	103	65-122	
Atrazine	64.0	5.0 U	72.0	113	50-150	
Benzaldehyde	64.0	5.0 U	50.6	79	10-150	
Benzo[a]anthracene	32.0	5.0 U	31.7	99	43-124	
Benzo[a]pyrene	32.0	5.0 U	31.1	97	23-125	
Benzo[b]fluoranthene	32.0	5.0 U	32.8	102	27-127	
Benzo[g,h,i]perylene	32.0	5.0 U	34.8	109	16-147	
Benzo[k]fluoranthene	32.0	5.0 U	31.0	97	20-124	
Biphenyl	32.0	5.0 U	26.5	83	57-120	
bis (2-chloroisopropyl) ether	32.0	5.0 U	25.4	79	28-121	
Bis(2-chloroethoxy)methane	32.0	5.0 U	26.6	83	44-128	
Bis(2-chloroethyl)ether	32.0	5.0 U	28.9	90	45-120	
Bis(2-ethylhexyl) phthalate	32.0	5.0 U	29.6	92	16-150	
Butyl benzyl phthalate	32.0	5.0 U	31.0	97	51-140	
Caprolactam	64.0	5.0 U	23.5	37	10-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Matrix: Water Level: Low Lab File ID: W100259319.d

Lab ID: 480-221807-1 MS Client ID: GW-MW-3-071824-MS MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Carbazole	32.0	5.0 U	37.9	118	16-148	
Chrysene	32.0	5.0 U	31.3	98	44-122	
Dibenz(a,h)anthracene	32.0	5.0 U	33.0	103	16-139	
Dibenzofuran	32.0	10 U	28.4	89	60-120	
Diethyl phthalate	32.0	5.0 U	33.8	106	53-133	
Dimethyl phthalate	32.0	5.0 U	33.0	103	59-123	
Di-n-butyl phthalate	32.0	5.0 U	33.7	105	65-129	
Di-n-octyl phthalate	32.0	5.0 U	30.2	94	16-150	
Fluoranthene	32.0	5.0 U	34.6	108	63-129	
Fluorene	32.0	5.0 U	29.5	92	62-120	
Hexachlorobenzene	32.0	5.0 U	36.8	115	57-121	
Hexachlorobutadiene	32.0	5.0 U	19.3	60	37-120	
Hexachlorocyclopentadiene	32.0	5.0 U	21.5	67	21-120	
Hexachloroethane	32.0	5.0 U	18.4	57	16-130	
Indeno[1,2,3-cd]pyrene	32.0	5.0 U	32.3	101	16-140	
Isophorone	32.0	5.0 U	28.7	90	48-133	
Naphthalene	32.0	5.0 U	25.4	79	45-120	
Nitrobenzene	32.0	5.0 U	27.6	86	45-123	
N-Nitrosodi-n-propylamine	32.0	5.0 U	26.9	84	49-120	
Pentachlorophenol	64.0	10 U	79.2	124	10-149	
Phenanthrene	32.0	5.0 U	33.2	104	65-122	
Phenol	32.0	5.0 U	17.7	55	16-120	
Pyrene	32.0	5.0 U	31.8	99	58-128	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Matrix: Water Level: Low Lab File ID: W100259320.d

Lab ID: 480-221807-1 MSD Client ID: GW-MW-3-071824-MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	32.0	15.0	47	17	50	32-120	
2,4,5-Trichlorophenol	32.0	26.6	83	13	18	65-126	
2,4,6-Trichlorophenol	32.0	26.3	82	14	19	64-120	
2,4-Dichlorophenol	32.0	21.8	68	17	19	48-132	
2,4-Dimethylphenol	32.0	30.1	94	18	42	39-130	
2,4-Dinitrophenol	64.0	73.8	115	9	22	21-150	
2,4-Dinitrotoluene	32.0	30.9	97	11	20	54-138	
2,6-Dinitrotoluene	32.0	27.5	86	13	15	17-150	
2-Chloronaphthalene	32.0	21.2	66	17	21	52-124	
2-Chlorophenol	32.0	20.6	64	19	25	48-120	
2-Methylnaphthalene	32.0	18.8	59	18	21	34-140	
2-Methylphenol	32.0	21.1	66	20	27	46-120	
2-Nitroaniline	32.0	26.5	83	16	15	44-136	F2
2-Nitrophenol	32.0	23.3	73	17	18	38-141	
3,3'-Dichlorobenzidine	64.0	61.1	95	5	25	10-150	
3-Nitroaniline	32.0	21.1	66	3	19	32-150	
4,6-Dinitro-2-methylphenol	64.0	73.0	114	7	15	38-150	
4-Bromophenyl phenyl ether	32.0	28.3	88	16	15	63-126	F2
4-Chloro-3-methylphenol	32.0	24.6	77	17	27	64-127	
4-Chloroaniline	32.0	19.6	61	11	22	16-124	
4-Chlorophenyl phenyl ether	32.0	25.2	79	17	16	61-120	F2
4-Methylphenol	32.0	20.0	62	20	24	36-120	
4-Nitroaniline	32.0	29.1	91	8	24	32-150	
4-Nitrophenol	64.0	51.4	80	11	48	23-132	
Acenaphthene	32.0	23.7	74	15	24	48-120	
Acenaphthylene	32.0	25.2	79	17	18	63-120	
Acetophenone	32.0	21.9	69	18	20	53-120	
Anthracene	32.0	29.0	90	12	15	65-122	
Atrazine	64.0	67.1	105	7	20	50-150	
Benzaldehyde	64.0	42.7	67	17	20	10-150	
Benzo[a]anthracene	32.0	28.6	89	10	15	43-124	
Benzo[a]pyrene	32.0	27.7	87	12	15	23-125	
Benzo[b]fluoranthene	32.0	29.3	91	11	15	27-127	
Benzo[g,h,i]perylene	32.0	30.5	95	13	15	16-147	
Benzo[k]fluoranthene	32.0	32.7	102	5	22	20-124	
Biphenyl	32.0	22.1	69	18	20	57-120	
bis (2-chloroisopropyl) ether	32.0	21.6	68	16	24	28-121	
Bis(2-chloroethoxy)methane	32.0	22.1	69	18	17	44-128	F2
Bis(2-chloroethyl)ether	32.0	24.2	76	18	21	45-120	
Bis(2-ethylhexyl) phthalate	32.0	25.7	80	14	15	16-150	
Butyl benzyl phthalate	32.0	27.1	85	14	16	51-140	
Caprolactam	64.0	19.7	31	18	20	10-120	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Matrix: Water Level: Low Lab File ID: W100259320.d

Lab ID: 480-221807-1 MSD Client ID: GW-MW-3-071824-MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Carbazole	32.0	33.6	105	12	20	16-148	
Chrysene	32.0	27.6	86	12	15	44-122	
Dibenz(a,h)anthracene	32.0	29.3	91	12	15	16-139	
Dibenzofuran	32.0	23.9	75	17	15	60-120	F2
Diethyl phthalate	32.0	30.7	96	9	15	53-133	
Dimethyl phthalate	32.0	29.7	93	11	15	59-123	
Di-n-butyl phthalate	32.0	30.3	95	11	15	65-129	
Di-n-octyl phthalate	32.0	26.9	84	11	16	16-150	
Fluoranthene	32.0	31.0	97	11	15	63-129	
Fluorene	32.0	25.5	80	15	15	62-120	
Hexachlorobenzene	32.0	32.0	100	14	15	57-121	
Hexachlorobutadiene	32.0	16.5	51	16	44	37-120	
Hexachlorocyclopentadiene	32.0	18.6	58	14	49	21-120	
Hexachloroethane	32.0	15.8	49	15	46	16-130	
Indeno[1,2,3-cd]pyrene	32.0	28.6	89	12	15	16-140	
Isophorone	32.0	24.2	76	17	17	48-133	
Naphthalene	32.0	21.5	67	16	29	45-120	
Nitrobenzene	32.0	23.0	72	18	24	45-123	
N-Nitrosodi-n-propylamine	32.0	22.4	70	18	31	49-120	
Pentachlorophenol	64.0	71.1	111	11	37	10-149	
Phenanthrene	32.0	29.2	91	13	15	65-122	
Phenol	32.0	14.2	44	22	34	16-120	
Pyrene	32.0	28.2	88	12	19	58-128	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Lab Sample ID: ICV 480-716940/11 Calibration Date: 06/27/2024 15:45

Instrument ID: HP5973W Calib Start Date: 06/27/2024 12:10

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 06/27/2024 15:18

Lab File ID: W100259014.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Lin2		1.588	0.0100	4290	4000	7.1	30.0
2-Chloronaphthalene	Ave	1.167	1.216	0.8000	4170	4000	4.2	30.0
2-Nitroaniline	Lin2		0.3987	0.0100	4110	4000	2.7	30.0
Dimethyl phthalate	Ave	1.218	1.325	0.0100	4350	4000	8.8	30.0
1,3-Dinitrobenzene	Lin2		0.1107	0.0100	4180	4000	4.6	30.0
2,6-Dinitrotoluene	Lin2		0.3099	0.2000	4070	4000	1.8	30.0
Acenaphthylene	Lin2		1.915	0.9000	4440	4000	11.1	30.0
3-Nitroaniline	Lin2		0.2957	0.0100	3760	4000	-5.9	30.0
2,4-Dinitrophenol	Lin2		0.1364	0.0100	8520	8000	6.5	30.0
Acenaphthene	Lin2		1.222	0.9000	4150	4000	3.7	30.0
4-Nitrophenol	Lin2		0.1800	0.0100	8130	8000	1.7	30.0
2,4-Dinitrotoluene	Lin2		0.4086	0.2000	4150	4000	3.6	30.0
Dibenzofuran	Lin2		1.633	0.8000	4180	4000	4.5	30.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2720	0.0100	4250	4000	6.3	30.0
Hexadecane	Lin2		0.9329	0.0100	4200	4000	4.9	30.0
Diethyl phthalate	Lin2		1.382	0.0100	4230	4000	5.8	30.0
4-Chlorophenyl phenyl ether	Ave	0.5954	0.6294	0.4000	4230	4000	5.7	30.0
4-Nitroaniline	Lin2		0.3157	0.0100	3960	4000	-1.0	30.0
Fluorene	Lin2		1.331	0.9000	4210	4000	5.1	30.0
4,6-Dinitro-2-methylphenol	Lin2		0.1160	0.0100	8160	8000	2.0	30.0
Diphenylamine	Lin2		0.6367	0.0100	3390	3420	-0.9	30.0
N-Nitrosodiphenylamine	Lin2		0.5444	0.0100	3960	4000	-0.9	30.0
1,2-Diphenylhydrazine	Ave	1.563	1.657	0.0100	4240	4000	6.0	30.0
trans-Azobenzene	Ave	0.9582	0.9709	0.0100	4050	4000	1.3	30.0
4-Bromophenyl phenyl ether	Ave	0.2088	0.2077	0.1000	3980	4000	-0.5	30.0
Atrazine	Lin2		0.4361	0.0100	10100	8000	25.9	30.0
Hexachlorobenzene	Lin2		0.2336	0.1000	4120	4000	3.0	30.0
n-Octadecane	Ave	0.5584	0.5534	0.0100	3960	4000	-0.9	30.0
Pentachlorophenol	Lin1		0.1271	0.0500	7870	8000	-1.6	50.0
Phenanthrene	Lin2		1.128	0.7000	4170	4000	4.4	30.0
Anthracene	Lin2		1.106	0.7000	4100	4000	2.6	30.0
Carbazole	Lin1		0.6478	0.0100	3080	4000	-23.0	30.0
Di-n-butyl phthalate	Ave	1.319	1.401	0.0100	4250	4000	6.2	30.0
Fluoranthene	Lin2		1.110	0.6000	4120	4000	2.9	30.0
Benzidine	Ave	0.4050	0.2672	0.0100	5280	8000	-34.0	50.0
Pyrene	Lin2		1.455	0.6000	4240	4000	6.1	30.0
Butyl benzyl phthalate	Lin2		0.7899	0.0100	4280	4000	6.9	30.0
Bis(2-ethylhexyl) phthalate	Lin2		1.098	0.0100	4300	4000	7.5	30.0
3,3'-Dichlorobenzidine	Lin1		0.4033	0.0100	7990	8000	-0.2	50.0
Benzo[a]anthracene	Lin2		1.368	0.8000	4220	4000	5.6	30.0
Chrysene	Ave	1.239	1.260	0.7000	4070	4000	1.7	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Lab Sample ID: CCVIS 480-719409/3 Calibration Date: 07/24/2024 21:30

Instrument ID: HP5973W Calib Start Date: 06/27/2024 12:10

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 06/27/2024 15:18

Lab File ID: W100259305.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Lin2		0.6816	0.0100	4250	4000	6.4	20.0
N-Nitrosodimethylamine	Lin1		0.6133	0.0100	3580	4000	-10.5	50.0
Pyridine	Lin2		0.8845	0.0100	8290	8000	3.7	50.0
Benzaldehyde	Lin2		1.474	0.0100	8580	8000	7.3	50.0
Phenol	Ave	1.903	1.857	0.8000	3900	4000	-2.4	20.0
Aniline	Lin1		2.328	0.0100	4100	4000	2.5	20.0
Bis(2-chloroethyl)ether	Lin1		1.557	0.7000	4060	4000	1.6	20.0
n-Decane	Ave	1.683	1.625	0.0100	3860	4000	-3.4	20.0
2-Chlorophenol	Ave	1.456	1.418	0.8000	3890	4000	-2.7	20.0
1,3-Dichlorobenzene	Lin2		1.508	0.0100	3820	4000	-4.6	20.0
1,4-Dichlorobenzene	Ave	1.616	1.539	0.0100	3810	4000	-4.8	20.0
Benzyl alcohol	Lin2		0.8826	0.0100	3470	4000	-13.3	20.0
1,2-Dichlorobenzene	Lin2		1.441	0.0100	3830	4000	-4.1	20.0
2-Methylphenol	Lin2		1.374	0.7000	3980	4000	-0.5	20.0
bis (2-chloroisopropyl) ether	Ave	1.809	1.791	0.0100	3960	4000	-1.0	20.0
Indene	Ave	0.6238	0.6729	0.0100	21600	20000	7.9	20.0
4-Methylphenol	Lin2		1.382	0.6000	3820	4000	-4.5	20.0
N-Nitrosodi-n-propylamine	Ave	1.095	1.049	0.5000	3830	4000	-4.2	20.0
Acetophenone	Lin1		2.020	0.0100	3770	4000	-5.8	20.0
Hexachloroethane	Lin2		0.6556	0.3000	3780	4000	-5.6	20.0
Nitrobenzene	Lin2		0.4469	0.2000	4160	4000	4.0	20.0
Isophorone	Ave	0.7453	0.7791	0.4000	4180	4000	4.5	20.0
2-Nitrophenol	Lin2		0.1886	0.1000	4060	4000	1.4	20.0
2,4-Dimethylphenol	Lin1		0.3818	0.2000	5180	4000	29.5*	20.0
Bis(2-chloroethoxy)methane	Lin2		0.4888	0.3000	4040	4000	1.1	20.0
Benzoic acid	Lin1		0.2418	0.0100	21200	20000	6.1	50.0
2,4-Dichlorophenol	Lin2		0.2573	0.2000	3680	4000	-8.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3082	0.3093	0.0100	4010	4000	0.3	20.0
Naphthalene	Lin2		1.077	0.7000	4080	4000	1.9	20.0
4-Chloroaniline	Lin2		0.3949	0.0100	3870	4000	-3.3	20.0
2,6-Dichlorophenol	Lin2		0.2714	0.0100	3960	4000	-1.0	20.0
Hexachlorobutadiene	Ave	0.1684	0.1879	0.0100	4460	4000	11.6	20.0
Caprolactam	Lin2		0.1311	0.0100	8140	8000	1.7	50.0
4-Chloro-3-methylphenol	Lin2		0.3175	0.2000	4020	4000	0.5	20.0
2-Methylnaphthalene	Lin2		0.6487	0.4000	3740	4000	-6.5	20.0
1-Methylnaphthalene	Ave	0.6380	0.6515	0.0100	4080	4000	2.1	20.0
Hexachlorocyclopentadiene	Ave	0.2651	0.4108	0.0500	6200	4000	54.9*	20.0
1,2,4,5-Tetrachlorobenzene	Lin2		0.5438	0.0100	4210	4000	5.2	20.0
2,4,6-Trichlorophenol	Lin2		0.3701	0.2000	4090	4000	2.2	20.0
2,4,5-Trichlorophenol	Lin2		0.3843	0.2000	4190	4000	4.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo | Job No.: 480-221807-1

SDG No.:

Lab Sample ID: CCVIS 480-719409/3 | Calibration Date: 07/24/2024 21:30

Instrument ID: HP5973W | Calib Start Date: 06/27/2024 12:10

GC Column: RXI-5Sil MS ID: 0.25(mm) | Calib End Date: 06/27/2024 15:18

Lab File ID: W100259305.d | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Biphenyl	Lin2		1.516	0.0100	4090	4000	2.2	20.0
2-Chloronaphthalene	Ave	1.167	1.159	0.8000	3970	4000	-0.7	20.0
2-Nitroaniline	Lin2		0.3951	0.0100	4070	4000	1.9	20.0
Dimethyl phthalate	Ave	1.218	1.299	0.0100	4270	4000	6.7	20.0
1,3-Dinitrobenzene	Lin2		0.1092	0.0100	4130	4000	3.2	20.0
2,6-Dinitrotoluene	Lin2		0.3014	0.2000	3960	4000	-0.9	20.0
Acenaphthylene	Lin2		1.879	0.9000	4360	4000	9.0	20.0
3-Nitroaniline	Lin2		0.2547	0.0100	3260	4000	-18.5	20.0
2,4-Dinitrophenol	Lin2		0.1610	0.0100	9840	8000	23.0*	20.0
Acenaphthene	Lin2		1.226	0.9000	4160	4000	4.1	20.0
4-Nitrophenol	Lin2		0.1671	0.0100	7590	8000	-5.1	20.0
2,4-Dinitrotoluene	Lin2		0.4118	0.2000	4180	4000	4.4	20.0
Dibenzofuran	Lin2		1.560	0.8000	3990	4000	-0.2	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2924	0.0100	4560	4000	14.1	20.0
Hexadecane	Lin2		0.8928	0.0100	4020	4000	0.5	20.0
Diethyl phthalate	Lin2		1.348	0.0100	4130	4000	3.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.5954	0.6192	0.4000	4160	4000	4.0	20.0
4-Nitroaniline	Lin2		0.3109	0.0100	3900	4000	-2.5	20.0
Fluorene	Lin2		1.298	0.9000	4100	4000	2.5	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1364	0.0100	9500	8000	18.7	20.0
Diphenylamine	Lin2		0.6218	0.0100	3310	3420	-3.2	20.0
N-Nitrosodiphenylamine	Lin2		0.5316	0.0100	3870	4000	-3.2	20.0
1,2-Diphenylhydrazine	Ave	1.563	1.597	0.0100	4090	4000	2.2	20.0
trans-Azobenzene	Ave	0.9582	0.9361	0.0100	3910	4000	-2.3	20.0
4-Bromophenyl phenyl ether	Ave	0.2088	0.2274	0.1000	4360	4000	8.9	20.0
Atrazine	Lin2		0.3915	0.0100	9030	8000	12.8	20.0
Hexachlorobenzene	Lin2		0.2734	0.1000	4830	4000	20.8*	20.0
n-Octadecane	Ave	0.5584	0.5475	0.0100	3920	4000	-1.9	20.0
Pentachlorophenol	Lin1		0.1527	0.0500	9360	8000	17.0	50.0
Phenanthrene	Lin2		1.111	0.7000	4110	4000	2.7	20.0
Anthracene	Lin2		1.114	0.7000	4130	4000	3.3	20.0
Carbazole	Lin1		0.8170	0.0100	3910	4000	-2.3	20.0
Di-n-butyl phthalate	Ave	1.319	1.350	0.0100	4090	4000	2.3	20.0
Fluoranthene	Lin2		1.141	0.6000	4230	4000	5.8	20.0
Benzidine	Ave	0.4050	0.1609	0.0100	3180	8000	-60.3*	50.0
Pyrene	Lin2		1.338	0.6000	3900	4000	-2.5	20.0
Butyl benzyl phthalate	Lin2		0.6881	0.0100	3730	4000	-6.7	20.0
Bis(2-ethylhexyl) phthalate	Lin2		0.9591	0.0100	3770	4000	-5.9	20.0
3,3'-Dichlorobenzidine	Lin1		0.3144	0.0100	6220	8000	-22.2	50.0
Benzo[a]anthracene	Lin2		1.307	0.8000	4030	4000	0.8	20.0
Chrysene	Ave	1.239	1.212	0.7000	3910	4000	-2.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Lab Sample ID: CCVIS 480-719409/3 Calibration Date: 07/24/2024 21:30

Instrument ID: HP5973W Calib Start Date: 06/27/2024 12:10

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 06/27/2024 15:18

Lab File ID: W100259305.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Di-n-octyl phthalate	Lin2		1.583	0.0100	3810	4000	-4.8	20.0
Benzo[b]fluoranthene	Lin2		1.250	0.7000	4410	4000	10.3	20.0
Benzo[k]fluoranthene	Lin2		1.287	0.7000	4480	4000	12.0	20.0
Benzo[a]pyrene	Lin2		1.073	0.7000	4110	4000	2.7	20.0
Dibenz(a,h)anthracene	Lin2		1.249	0.4000	4310	4000	7.7	20.0
Indeno[1,2,3-cd]pyrene	Lin2		1.536	0.5000	4230	4000	5.7	20.0
Benzo[g,h,i]perylene	Lin2		1.256	0.5000	4550	4000	13.8	20.0
2-Fluorophenol	Lin2		1.395	0.0100	3930	4000	-1.9	20.0
Phenol-d5	Lin2		1.829	0.0100	4050	4000	1.1	20.0
Nitrobenzene-d5	Lin2		0.4849	0.0100	4250	4000	6.1	20.0
2-Fluorobiphenyl	Lin2		1.335	0.0100	4200	4000	5.0	20.0
2,4,6-Tribromophenol	Lin2		0.1504	0.0100	5210	4000	30.2*	20.0
p-Terphenyl-d14	Lin2		1.146	0.0100	4250	4000	6.3	20.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Buffalo | Job No.: 480-221807-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-719187/1-A

Matrix: Water | Lab File ID: W100259316.d

Analysis Method: 8270D | Date Collected:

Extract. Method: 3510C | Date Extracted: 07/22/2024 13:14

Sample wt/vol: 250(mL) | Date Analyzed: 07/25/2024 02:43

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: RXI-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 719409 | Units: ug/L

Preparation Batch No.: 719187 | Instrument ID: HP5973W

Number TICs Found: 12 | TIC Result Total: 44.77

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
109-99-9	Furan, tetrahydro-	3.12	4.44	T J N	91%
	Unknown	3.21	4.02	T J	
	Unknown	3.34	1.64	T J	
541-05-9	Cyclotrisiloxane, hexamethyl-	4.59	1.87	T J N	91%
	Unknown	4.87	18.9	T J	
	Unknown	5.30	2.30	T J	
	Unknown	5.64	1.85	T J	
556-67-2	Cyclotetrasiloxane, octamethyl-	6.10	2.51	T J N	86%
541-02-6	Cyclopentasiloxane, decamethyl-	7.42	2.22	T J N	94%
540-97-6	Cyclohexasiloxane, dodecamethyl-	8.52	1.66	T J N	87%
	Unknown	13.80	1.65	T J	
	Unknown	14.23	1.71	T J	

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Client Sample ID: GW-MW-3-071824 Lab Sample ID: 480-221807-1

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 07/22/2024 10:10 Date Analyzed (2): 07/22/2024 10:10

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		3.09	3.06	3.12	0.0086		19.3
	2		3.31	3.30	3.36	0.010		
gamma-BHC (Lindane)	1		3.36	3.33	3.39	0.011		13.8
	2		3.68	3.64	3.70	0.013		
Methoxychlor	1		6.40	6.38	6.44	0.040		66.0
	2		7.23	7.20	7.26	0.020		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Client Sample ID: GW-MW-1-071824 Lab Sample ID: 480-221807-2

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 07/22/2024 10:30 Date Analyzed (2): 07/22/2024 10:30

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		3.12	3.06	3.12	0.0088		8.0
	2		3.36	3.30	3.36	0.0081		
gamma-BHC (Lindane)	1		3.36	3.33	3.39	0.011		3.1
	2		3.67	3.64	3.70	0.012		
4,4'-DDT	1		5.88	5.88	5.94	0.032		38.5
	2		6.53	6.50	6.56	0.022		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Client Sample ID: GW-PES-2-071824 Lab Sample ID: 480-221807-3

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 07/22/2024 10:49 Date Analyzed (2): 07/22/2024 10:49

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		3.09	3.06	3.12	0.0083		1.5
	2		3.32	3.30	3.36	0.0084		
gamma-BHC (Lindane)	1		3.36	3.33	3.39	0.0092		21.5
	2		3.68	3.64	3.70	0.011		
Methoxychlor	1		6.40	6.38	6.44	0.041		69.2
	2		7.23	7.20	7.26	0.020		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Client Sample ID: EB-071824 Lab Sample ID: 480-221807-5

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 07/22/2024 11:28 Date Analyzed (2): 07/22/2024 11:28

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		3.09	3.06	3.12	0.0083		11.5
	2		3.36	3.30	3.36	0.0093		
gamma-BHC (Lindane)	1		3.36	3.33	3.39	0.0089		34.4
	2		3.68	3.64	3.70	0.013		
Methoxychlor	1		6.40	6.38	6.44	0.041		49.8
	2		7.23	7.20	7.26	0.024		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-719061/1-A

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 07/22/2024 08:52 Date Analyzed (2): 07/22/2024 08:52

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-BHC (Lindane)	1		3.36	3.33	3.39	0.00922		23.7
	2		3.68	3.64	3.70	0.0117		
Methoxychlor	1		6.40	6.38	6.44	0.0406		68.8
	2		7.24	7.20	7.26	0.0198		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-719061/2-A

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 07/22/2024 09:12 Date Analyzed (2): 07/22/2024 09:12

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		3.09	3.06	3.12	0.209		3.6
	2		3.33	3.30	3.36	0.217		
gamma-BHC (Lindane)	1		3.36	3.33	3.39	0.271		2.9
	2		3.66	3.64	3.70	0.279		
beta-BHC	1		3.43	3.40	3.46	0.332		1.1
	2		3.73	3.71	3.77	0.328		
delta-BHC	1		3.59	3.56	3.62	0.318		6.5
	2		4.04	4.01	4.07	0.298		
Heptachlor	1		3.79	3.76	3.82	0.239		4.2
	2		4.12	4.10	4.16	0.250		
Aldrin	1		4.08	4.05	4.11	0.208		6.2
	2		4.47	4.44	4.50	0.221		
Heptachlor epoxide	1		4.68	4.65	4.71	0.348		4.3
	2		5.06	5.04	5.10	0.334		
trans-Chlordane	1		4.80	4.77	4.83	0.301		45.8
	2		5.27	5.24	5.30	0.189		
cis-Chlordane	1		4.94	4.91	4.97	0.290		0.1
	2		5.42	5.40	5.46	0.290		
4,4'-DDE	1		5.01	4.98	5.04	0.273		20.0
	2		5.59	5.56	5.62	0.333		
Endosulfan I	1		5.08	5.05	5.11	0.253		25.1
	2		5.48	5.46	5.52	0.325		
Dieldrin	1		5.32	5.29	5.35	0.369		34.2
	2		5.77	5.75	5.81	0.261		
Endrin	1		5.56	5.53	5.59	0.368		12.6
	2		6.09	6.07	6.13	0.324		
4,4'-DDD	1		5.62	5.59	5.65	0.363		3.4
	2		6.19	6.17	6.23	0.376		
Endosulfan II	1		5.78	5.76	5.82	0.389		1.9
	2		6.31	6.29	6.35	0.396		
4,4'-DDT	1		5.91	5.88	5.94	0.377		6.4
	2		6.52	6.50	6.56	0.353		
Endrin aldehyde	1		6.21	6.18	6.24	0.284		34.7
	2		6.65	6.63	6.69	0.200		
Methoxychlor	1		6.41	6.38	6.44	0.367		14.4
	2		7.22	7.20	7.26	0.425		
Endosulfan sulfate	1		6.65	6.62	6.68	0.262		29.3
	2		6.94	6.92	6.98	0.352		
Endrin ketone	1		6.94	6.91	6.97	0.409		2.2
	2		7.49	7.47	7.53	0.418		

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Lab Sample ID: ICV 480-711027/18 Calibration Date: 05/07/2024 19:50

Instrument ID: HP6890-5 Calib Start Date: 05/07/2024 18:12

GC Column: RTX-CLPI ID: 0.53(mm) Calib End Date: 05/07/2024 19:30

Lab File ID: 5_70121.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin1		0.0290		0.289	0.500	-42.3*	20.0
Toxaphene Peak 2	Lin1		0.0265		0.220	0.500	-56.0*	20.0
Toxaphene Peak 3	Lin1		0.0350		0.492	0.500	-1.5	20.0
Toxaphene Peak 4	Lin1		0.0341		0.455	0.500	-9.0	20.0
Toxaphene Peak 5	Lin1		0.0414		0.606	0.500	21.3*	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

Lab Sample ID: ICV 480-711027/18 Calibration Date: 05/07/2024 19:50

Instrument ID: HP6890-5 Calib Start Date: 05/07/2024 18:12

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 05/07/2024 19:30

Lab File ID: 5_70121.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin1		0.0303		0.490	0.500	-1.9	20.0
Toxaphene Peak 2	Lin1		0.0222		0.278	0.500	-44.4*	20.0
Toxaphene Peak 3	Lin1		0.0574		0.396	0.500	-20.7*	20.0
Toxaphene Peak 4	Lin1		0.0371		0.533	0.500	6.7	20.0
Toxaphene Peak 5	Lin1		0.0381		0.618	0.500	23.6*	20.0

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Buffalo | Job No.: 480-221807-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-719061/1-A

Matrix: Water | Lab File ID: 5_72107.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 07/19/2024 16:10

Sample wt/vol: 250(mL) | Date Analyzed: 07/22/2024 08:52

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 719110 | Units: ug/L

Preparation Batch No.: 719061 | Instrument ID: HP6890-5

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	0.050	U	0.050	0.0092
72-55-9	4,4'-DDE	0.050	U	0.050	0.012
50-29-3	4,4'-DDT	0.050	U	0.050	0.011
309-00-2	Aldrin	0.050	U	0.050	0.0081
319-84-6	alpha-BHC	0.050	U	0.050	0.0077
319-85-7	beta-BHC	0.050	U	0.050	0.025
5103-71-9	cis-Chlordane	0.050	U	0.050	0.015
319-86-8	delta-BHC	0.050	U	0.050	0.010
60-57-1	Dieldrin	0.050	U	0.050	0.0098
959-98-8	Endosulfan I	0.050	U	0.050	0.011
33213-65-9	Endosulfan II	0.050	U	0.050	0.012
1031-07-8	Endosulfan sulfate	0.050	U	0.050	0.016
72-20-8	Endrin	0.050	U	0.050	0.014
7421-93-4	Endrin aldehyde	0.050	U	0.050	0.016
53494-70-5	Endrin ketone	0.050	U	0.050	0.012
58-89-9	gamma-BHC (Lindane)	0.00922	J	0.050	0.0080
76-44-8	Heptachlor	0.050	U	0.050	0.0085
1024-57-3	Heptachlor epoxide	0.050	U	0.050	0.0074
72-43-5	Methoxychlor	0.0406	J	0.050	0.014
8001-35-2	Toxaphene	0.50	U	0.50	0.12
5103-74-2	trans-Chlordane	0.050	U	0.050	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	45		10-120
877-09-8	Tetrachloro-m-xylene	45		10-120

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Denver Job No.: 480-221807-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 2024.07.29.s016.d

Lab ID: LCS 280-661649/3-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
NMeFOSE	100	106	106	70-145	
NEtFOSE	100	112	112	70-135	
HFPO-DA (GenX)	20.0	23.6	118	70-140	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	18.9	20.2	107	65-145	
PFMBA	20.0	21.8	109	60-150	
NFDHA	20.0	21.1	105	50-150	
PFMPA	20.0	20.8	104	55-140	
9Cl-PF3ONS	18.6	27.5	147	70-155	I
11Cl-PF3OUdS	18.8	18.3	97	55-160	
PFEESA	17.8	18.8	105	70-140	
3:3 FTCA	40.0	39.3	98	65-130	
5:3 FTCA	100	93.6	94	70-135	
7:3 FTCA	100	92.7	93	50-145	
13C4 PFBA	80.0	64.5	80.6	5-130	
13C5 PFPeA	80.0	66.5	83.1	40-130	
13C5 PFHxA	80.0	64.6	80.7	40-130	
13C4 PFHpA	80.0	66.3	82.9	40-130	
13C8 PFOA	80.0	64.5	80.7	40-130	
13C9 PFNA	80.0	60.8	76.0	40-130	
13C6 PFDA	80.0	66.6	83.2	40-130	
13C7 PFUnA	80.0	64.2	80.2	30-130	
13C2 PFDoA	80.0	59.9	74.8	10-130	
13C2 PFTeDA	80.0	59.6	74.5	10-130	
13C3 PFBS	74.4	61.0	81.9	40-135	
13C3 PFHxS	75.7	59.8	79.0	40-130	
13C8 PFOS	76.5	58.3	76.2	40-130	
13C8 FOSA	80.0	56.7	70.9	40-130	
d3-NMeFOSAA	200	130	65.2	40-170	
d5-NEtFOSAA	200	143	71.3	25-135	
M2-4:2 FTS	187	145	77.7	40-200	
M2-6:2 FTS	190	156	82.2	40-200	
M2-8:2 FTS	192	148	77.1	40-300	
13C3 HFPO-DA	200	173	86.4	40-130	
d7-N-MeFOSE-M	200	141	70.4	10-130	
d9-N-EtFOSE-M	200	144	72.0	10-130	
d5-NEtPFOSA	80.0	47.5	59.4	10-130	
d3-NMePFOSA	80.0	46.1	57.6	10-130	

Column to be used to flag recovery and RPD values

FORM III 1633

FORM III
PFAS LOW LEVEL CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Denver Job No.: 480-221807-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 2024.07.29.s015.d

Lab ID: LLCS 280-661649/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LLCS CONCENTRATION (ng/L)	LLCS % REC	QC LIMITS REC	#
NMeFOSE	20.0	20.2	101	70-145	
NEtFOSE	20.0	21.0	105	70-135	
HFPO-DA (GenX)	4.00	4.72	118	70-140	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.87	103	65-145	
PFMBA	4.00	4.19	105	60-150	
NFDHA	4.00	4.52	113	50-150	
PFMPA	4.00	4.01	100	55-140	
9Cl-PF3ONS	3.73	5.68	152	70-155	
11Cl-PF3OUdS	3.77	3.67	97	55-160	
PFEESA	3.57	3.62	101	70-140	
3:3 FTCA	8.00	7.38	92	65-130	
5:3 FTCA	20.0	19.8	99	70-135	
7:3 FTCA	20.0	18.8	94	50-145	
13C4 PFBA	80.0	62.2	77.8	5-130	
13C5 PFPeA	80.0	63.4	79.3	40-130	
13C5 PFHxA	80.0	63.2	79.0	40-130	
13C4 PFHpA	80.0	67.1	83.9	40-130	
13C8 PFOA	80.0	60.8	76.0	40-130	
13C9 PFNA	80.0	62.0	77.5	40-130	
13C6 PFDA	80.0	64.8	81.0	40-130	
13C7 PFUnA	80.0	61.6	77.0	30-130	
13C2 PFDoA	80.0	55.4	69.3	10-130	
13C2 PFTeDA	80.0	56.8	71.0	10-130	
13C3 PFBS	74.4	56.0	75.2	40-135	
13C3 PFHxS	75.7	54.5	72.0	40-130	
13C8 PFOS	76.5	59.4	77.7	40-130	
13C8 FOSA	80.0	55.0	68.7	40-130	
d3-NMeFOSAA	200	142	70.8	40-170	
d5-NEtFOSAA	200	140	69.9	25-135	
M2-4:2 FTS	187	138	73.8	40-200	
M2-6:2 FTS	190	146	76.9	40-200	
M2-8:2 FTS	192	159	82.9	40-300	
13C3 HFPO-DA	200	160	80.1	40-130	
d7-N-MeFOSE-M	200	133	66.4	10-130	
d9-N-EtFOSE-M	200	137	68.4	10-130	
d5-NEtPFOSA	80.0	47.4	59.2	10-130	
d3-NMePFOSA	80.0	45.2	56.5	10-130	

Column to be used to flag recovery and RPD values

FORM III 1633

FORM III
PFAS MATRIX SPIKE RECOVERY

Lab Name: Eurofins Denver Job No.: 480-221807-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 2024.07.29.s033.d

Lab ID: 480-221807-1 MS Client ID: GW-MW-3-071824-MS MS

COMPOUND	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS % REC	QC LIMITS REC	#
NMeFOSE	78.4	7.6 U	81.1	103	70-145	
NEtFOSE	78.4	7.6 U	84.9	108	70-135	
HFPO-DA (GenX)	15.7	1.1 U	17.7	113	70-140	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	14.8	1.5 U	17.0	115	65-145	
PFMBA	15.7	1.5 U	16.0	102	60-150	
NFDHA	15.7	1.5 U	16.5	105	50-150	
PFMPA	15.7	1.5 U	16.2	103	55-140	
9Cl-PF3ONS	14.6	1.5 U	19.7	135	70-155	I
11Cl-PF3OUdS	14.8	1.5 U	13.0	88	55-160	
PFEESA	14.0	1.5 U	13.5	96	70-140	
3:3 FTCA	31.4	3.0 U	28.7	91	65-130	
5:3 FTCA	78.4	7.6 U	71.4	91	70-135	
7:3 FTCA	78.4	7.6 U	72.3	92	50-145	
13C4 PFBA	62.7	47	49.4	78.7	5-130	
13C5 PFPeA	62.7	48	49.8	79.4	40-130	
13C5 PFHxA	62.7	47	50.6	80.6	40-130	
13C4 PFHpA	62.7	49	53.9	85.8	40-130	
13C8 PFOA	62.7	45	50.9	81.2	40-130	
13C9 PFNA	62.7	47	48.6	77.5	40-130	
13C6 PFDA	62.7	46	48.4	77.2	40-130	
13C7 PFUnA	62.7	44	48.5	77.4	30-130	
13C2 PFDoA	62.7	41	44.9	71.5	10-130	
13C2 PFTeDA	62.7	39	45.1	71.9	10-130	
13C3 PFBS	58.3	47	47.4	81.3	40-135	
13C3 PFHxS	59.3	46	46.6	78.6	40-130	
13C8 PFOS	60.0	40	43.8	73.0	40-130	
13C8 FOSA	62.7	43	47.1	75.0	40-130	
d3-NMeFOSAA	157	110	122	77.6	40-170	
d5-NEtFOSAA	157	110	124	79.0	25-135	
M2-4:2 FTS	146	120	126	86.3	40-200	
M2-6:2 FTS	149	120	133	89.3	40-200	
M2-8:2 FTS	150	120	123	82.1	40-300	
13C3 HFPO-DA	157	120	125	79.9	40-130	
d7-N-MeFOSE-M	157	92	106	67.5	10-130	
d9-N-EtFOSE-M	157	87	103	65.7	10-130	
d5-NEtPFOSA	62.7	34	38.1	60.7	10-130	
d3-NMePFOSA	62.7	37	37.9	60.4	10-130	

Column to be used to flag recovery and RPD values

FORM III 1633

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Denver Job No.: 480-221807-1

SDG No.:

Lab Sample ID: CCV 280-662002/31 Calibration Date: 07/29/2024 18:09

Instrument ID: LC_LCMS14 Calib Start Date: 07/26/2024 11:01

GC Column: Gemini C18 2x50 ID: 2.00(mm) Calib End Date: 07/26/2024 13:37

Lab File ID: 2024.07.29.s027.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.8715	0.8820		2.02	2.00	1.2	30.0
PFMPA	AveID	0.7418	0.7607		1.03	1.00	2.6	30.0
3:3 FTCA	AveID	0.1099	0.1128		2.05	2.00	2.7	30.0
Perfluoropentanoic acid (PFPeA)	AveID	1.494	1.470		0.983	1.00	-1.7	30.0
PFMBA	AveID	1.862	1.984		1.07	1.00	6.5	30.0
4:2 FTS	AveID	2.093	2.229		1.99	1.87	6.5	30.0
NFDHA	AveID	0.2945	0.2845		0.966	1.00	-3.4	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	0.9702	1.048		0.959	0.888	8.0	30.0
Perfluorohexanoic acid (PFHxA)	AveID	1.111	1.103		0.993	1.00	-0.7	30.0
5:3 FTCA	AveID	0.1931	0.1921		4.97	5.00	-0.5	30.0
HFPO-DA (GenX)	AveID	1.089	1.094		1.00	1.00	0.4	30.0
PFEESA	AveID	1.428	1.458		0.911	0.892	2.1	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.007	0.998		0.991	1.00	-0.9	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	0.9565	0.9748		0.956	0.938	1.9	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	13.21	13.04		0.932	0.944	-1.3	30.0
6:2 FTS	AveID	1.936	1.952		1.91	1.90	0.8	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.4509	0.4869		1.08	1.00	8.0	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	0.8569	0.8589		0.914	0.912	0.2	30.0
7:3 FTCA	AveID	0.0924	0.1023		5.54	5.00	10.7	30.0
Perfluorononanoic acid (PFNA)	AveID	0.8405	0.8271		0.984	1.00	-1.6	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.465	1.576		1.02	0.952	7.6	30.0
8:2 FTS	AveID	1.644	1.767		2.06	1.92	7.5	30.0
NMeFOSAA	AveID	0.8706	0.9044		1.04	1.00	3.9	30.0
Perfluorodecanoic acid (PFDA)	AveID	0.4777	0.5350		1.12	1.00	12.0	30.0
NEtFOSAA	AveID	0.7825	0.7691		0.983	1.00	-1.7	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	2.215	2.178		0.915	0.930	-1.7	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	0.8875	0.8836		0.996	1.00	-0.4	30.0
9Cl-PF3ONS	AveID	2.487	3.356		1.26	0.932	34.9*	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.8782	0.9414		1.03	0.962	7.2	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.9704	1.024		1.06	1.00	5.5	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	0.9429	0.9216		0.977	1.00	-2.3	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	2.694	2.768		0.990	0.964	2.7	30.0
Perfluorotridecanoic acid (PFTriA)	AveID	0.8026	0.9219		1.15	1.00	14.9	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Denver Job No.: 480-221807-1

SDG No.:

Lab Sample ID: CCV 280-662002/33 Calibration Date: 07/29/2024 22:21

Instrument ID: LC_LCMS14 Calib Start Date: 07/26/2024 11:01

GC Column: Gemini C18 2x50 ID: 2.00(mm) Calib End Date: 07/26/2024 13:37

Lab File ID: 2024.07.29.s040.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.8715	0.9037		2.07	2.00	3.7	30.0
PFMPA	AveID	0.7418	0.7723		1.04	1.00	4.1	30.0
3:3 FTCA	AveID	0.1099	0.1132		2.06	2.00	3.0	30.0
Perfluoropentanoic acid (PFPeA)	AveID	1.494	1.547		1.04	1.00	3.5	30.0
PFMBA	AveID	1.862	1.949		1.05	1.00	4.7	30.0
4:2 FTS	AveID	2.093	2.329		2.08	1.87	11.3	30.0
NFDHA	AveID	0.2945	0.3006		1.02	1.00	2.1	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	0.9702	1.005		0.920	0.888	3.6	30.0
Perfluorohexanoic acid (PFHxA)	AveID	1.111	1.116		1.00	1.00	0.4	30.0
5:3 FTCA	AveID	0.1931	0.1914		4.95	5.00	-0.9	30.0
HFPO-DA (GenX)	AveID	1.089	1.059		0.972	1.00	-2.8	30.0
PFEESA	AveID	1.428	1.470		0.919	0.892	3.0	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.007	1.057		1.05	1.00	5.0	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	0.9565	1.036		1.02	0.938	8.3	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	13.21	14.13		1.01	0.944	6.9	30.0
6:2 FTS	AveID	1.936	2.054		2.01	1.90	6.1	30.0
Perfluorooctanoic acid (PFOA)	AveID	0.4509	0.4537		1.01	1.00	0.6	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	0.8569	0.9105		0.969	0.912	6.3	30.0
7:3 FTCA	AveID	0.0924	0.0919		4.98	5.00	-0.5	30.0
Perfluorononanoic acid (PFNA)	AveID	0.8405	0.9294		1.11	1.00	10.6	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.465	1.594		1.04	0.952	8.8	30.0
8:2 FTS	AveID	1.644	1.685		1.96	1.92	2.5	30.0
NMeFOSAA	AveID	0.8706	0.8631		0.991	1.00	-0.9	30.0
Perfluorodecanoic acid (PFDA)	AveID	0.4777	0.5273		1.10	1.00	10.4	30.0
NEtFOSAA	AveID	0.7825	0.7076		0.904	1.00	-9.6	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	2.215	2.357		0.990	0.930	6.4	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	0.8875	0.9328		1.05	1.00	5.1	30.0
9Cl-PF3ONS	AveID	2.487	3.849		1.44	0.932	54.7*	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.8782	0.9470		1.04	0.962	7.8	30.0
Perfluorododecanoic acid (PFDoA)	AveID	0.9704	1.000		1.03	1.00	3.0	30.0
Perfluorooctanesulfonamide (PFOSA)	AveID	0.9429	0.9538		1.01	1.00	1.1	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	2.694	2.970		1.06	0.964	10.3	30.0
Perfluorotridecanoic acid (PFTriA)	AveID	0.8026	0.8931		1.11	1.00	11.3	30.0

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

ICV Source: MEI_MSS_STD2_00340 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00524

Analyte	ICV 480-719269/5 07/22/2024 19:40				CCVL 480-719269/7 07/22/2024 19:43				CCVL 480-719269/15 07/22/2024 19:59			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	48.59		50.0	97	0.176	J	0.200	88	0.175	J	0.200	87
Antimony	0.936		1.00	94	0.0196	J	0.0200	98	0.0191	J	0.0200	95
Barium	0.944		1.00	94	0.00194	J	0.00200	97	0.00189	J	0.00200	95
Beryllium	0.970		1.00	97	0.00196	J	0.00200	98	0.00187	J	0.00200	94
Cadmium	0.992		1.00	99	0.00185	J	0.00200	92	0.00196	J	0.00200	98
Calcium	49.68		50.0	99	0.493	J	0.500	99	0.490	J	0.500	98
Chromium	0.978		1.00	98	0.00383	J	0.00400	96	0.00417		0.00400	104
Cobalt	0.960		1.00	96	0.00412		0.00400	103	0.00455		0.00400	114
Copper	0.974		1.00	97	0.00884	J	0.0100	88	0.00865	J	0.0100	86
Iron	47.73		50.0	95	0.0454	J	0.0500	91	0.0458	J	0.0500	92
Lead	0.935		1.00	93	0.00981	J	0.0100	98	0.0103		0.0100	103
Magnesium	48.96		50.0	98	0.202		0.200	101	0.203		0.200	101
Manganese	0.947		1.00	95	0.00254	J	0.00300	85	0.00256	J	0.00300	85
Nickel	0.982		1.00	98	0.00913	J	0.0100	91	0.00998	J	0.0100	100
Potassium	49.30		50.0	99	0.505		0.500	101	0.489	J	0.500	98
Selenium	0.925		1.00	93	0.0213	J	0.0250	85	0.0227	J	0.0250	91
Silver	1.00		1.00	100	0.00551	J	0.00600	92	0.00546	J	0.00600	91
Sodium	49.45		50.0	99	0.946	J	1.01	94	0.939	J	1.01	93
Thallium	0.906		1.00	91	0.0255		0.0200	128	0.0216		0.0200	108
Vanadium	0.964		1.00	96	0.00478	J	0.00500	96	0.00470	J	0.00500	94
Zinc	1.04		1.00	104	0.0109		0.0100	109	0.0109		0.0100	109

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

ICV Source: MEI_MSS_STD2_00340 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00524

Analyte	CCVL 480-719269/27 07/22/2024 20:21				CCVL 480-719269/39 07/22/2024 20:44							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	0.180	J	0.200	90	0.176	J	0.200	88				
Antimony	0.0214		0.0200	107	0.0181	J	0.0200	90				
Barium	0.00194	J	0.00200	97	0.00188	J	0.00200	94				
Beryllium	0.00194	J	0.00200	97	0.00194	J	0.00200	97				
Cadmium	0.00208		0.00200	104	0.00186	J	0.00200	93				
Calcium	0.497	J	0.500	99	0.498	J	0.500	100				
Chromium	0.00424		0.00400	106	0.00413		0.00400	103				
Cobalt	0.00428		0.00400	107	0.00459		0.00400	115				
Copper	0.00887	J	0.0100	89	0.00883	J	0.0100	88				
Iron	0.0451	J	0.0500	90	0.0451	J	0.0500	90				
Lead	0.00928	J	0.0100	93	0.0105		0.0100	105				
Magnesium	0.189	J	0.200	95	0.196	J	0.200	98				
Manganese	0.00263	J	0.00300	88	0.00262	J	0.00300	87				
Nickel	0.00920	J	0.0100	92	0.00982	J	0.0100	98				
Potassium	0.501		0.500	100	0.497	J	0.500	99				
Selenium	0.0216	J	0.0250	86	0.0192	J	0.0250	77				
Silver	0.00538	J	0.00600	90	0.00539	J	0.00600	90				
Sodium	0.950	J	1.01	94	0.961	J	1.01	95				
Thallium	0.0208		0.0200	104	0.0183	J	0.0200	92				
Vanadium	0.00455	J	0.00500	91	0.00480	J	0.00500	96				
Zinc	0.0108		0.0100	108	0.0109		0.0100	109				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

ICV Source: MEI_MSS_STD2_00340 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00524

Analyte	ICV 480-719349/5 07/23/2024 12:17				CCVL 480-719349/7 07/23/2024 12:21				CCVL 480-719349/19 07/23/2024 12:44			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.985		1.00	98	0.0174		0.0150	116	0.0159		0.0150	106
Aluminum	49.95		50.0	100	0.178	J	0.200	89	0.182	J	0.200	91
Antimony	1.00		1.00	100	0.0165	J	0.0200	83	0.0180	J	0.0200	90
Barium	1.01		1.00	101	0.00187	J	0.00200	94	0.00195	J	0.00200	98
Beryllium	1.01		1.00	101	0.00199	J	0.00200	99	0.00202		0.00200	101
Cadmium	1.02		1.00	102	0.00200		0.00200	100	0.00211		0.00200	106
Calcium	50.63		50.0	101	0.504		0.500	101	0.508		0.500	102
Chromium	1.00		1.00	100	0.00379	J	0.00400	95	0.00339	J	0.00400	85
Cobalt	0.988		1.00	99	0.00389	J	0.00400	97	0.00341	J	0.00400	85
Copper	1.01		1.00	101	0.00995	J	0.0100	99	0.00982	J	0.0100	98
Iron	49.94		50.0	100	0.0480	J	0.0500	96	0.0485	J	0.0500	97
Magnesium	49.45		50.0	99	0.189	J	0.200	94	0.180	J	0.200	90
Manganese	0.986		1.00	99	0.00301		0.00300	100	0.00293	J	0.00300	98
Nickel	0.980		1.00	98	0.00976	J	0.0100	98	0.00966	J	0.0100	97
Potassium	49.99		50.0	100	0.519		0.500	104	0.491	J	0.500	98
Selenium	0.989		1.00	99	0.0230	J	0.0250	92	0.0224	J	0.0250	89
Silver	1.00		1.00	100	0.00625		0.00600	104	0.00611		0.00600	102
Sodium	49.88		50.0	100	0.980	J	1.01	97	0.976	J	1.01	97
Thallium	0.998		1.00	100	0.0197	J	0.0200	98	0.0213		0.0200	107
Vanadium	0.988		1.00	99	0.00478	J	0.00500	96	0.00489	J	0.00500	98
Zinc	1.03		1.00	103	0.0112		0.0100	112	0.0111		0.0100	111

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

ICV Source: MEI_MSS_STD2_00340 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00524

Analyte	CCVL 480-719349/31 07/23/2024 13:07				CCVL 480-719349/43 07/23/2024 13:29							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0171		0.0150	114	0.0175		0.0150	117				
Aluminum	0.185	J	0.200	92	0.198	J	0.200	99				
Antimony	0.0207		0.0200	104	0.0202		0.0200	101				
Barium	0.00198	J	0.00200	99	0.00199	J	0.00200	100				
Beryllium	0.00198	J	0.00200	99	0.00201		0.00200	100				
Cadmium	0.00192	J	0.00200	96	0.00202		0.00200	101				
Calcium	0.509		0.500	102	0.506		0.500	101				
Chromium	0.00373	J	0.00400	93	0.00366	J	0.00400	92				
Cobalt	0.00398	J	0.00400	100	0.00368	J	0.00400	92				
Copper	0.00995	J	0.0100	99	0.00994	J	0.0100	99				
Iron	0.0484	J	0.0500	97	0.0478	J	0.0500	96				
Magnesium	0.205		0.200	103	0.195	J	0.200	97				
Manganese	0.00295	J	0.00300	98	0.00298	J	0.00300	99				
Nickel	0.00989	J	0.0100	99	0.00995	J	0.0100	99				
Potassium	0.503		0.500	101	0.500		0.500	100				
Selenium	0.0239	J	0.0250	96	0.0221	J	0.0250	88				
Silver	0.00619		0.00600	103	0.00621		0.00600	104				
Sodium	0.987	J	1.01	98	0.989	J	1.01	98				
Thallium	0.0155	J	0.0200	78	0.0211		0.0200	106				
Vanadium	0.00492	J	0.00500	98	0.00480	J	0.00500	96				
Zinc	0.0114		0.0100	114	0.0114		0.0100	114				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

ICV Source: MEH_HG1_WKG_03399 Concentration Units: mg/L

CCV Source: MEH_HG1_WKG_03399

Analyte	ICV 480-719259/7 07/22/2024 14:22				ICVL 480-719259/9 07/22/2024 14:24				CCVL 480-719259/112 07/22/2024 16:48			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00309		0.00301	103	0.000213		0.000201	106	0.000232		0.000201	116

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

ICV Source: MEH_HG1_WKG_03399 Concentration Units: mg/L

CCV Source: MEH_HG1_WKG_03399

Analyte	CCV 480-719259/123 07/22/2024 17:08				CCV 480-719259/136 07/22/2024 17:27				CCVL 480-719259/154 07/22/2024 17:50			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00202		0.00201	101	0.00202		0.00201	100	0.000229		0.000201	114

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Buffalo Job No.: 480-221807-1

SDG No.:

ICV Source: MEH_HG1_WKG_03399 Concentration Units: mg/L

CCV Source: MEH_HG1_WKG_03399

Analyte	CCV 480-719259/165 07/22/2024 18:05				CCV 480-719259/176 07/22/2024 18:19				CCVL 480-719259/178 07/22/2024 18:22			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00199		0.00201	99	0.00200		0.00201	99	0.000226		0.000201	113

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Silvestri Dry Cleaners
SDG#480-226734-1
February 28, 2025
Revised: February 28, 2025
Sampling date: 1/8/2025

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (revised February 28, 2025) for Ramboll Americas Engineering Solutions, project located at Silvestri Dry Cleaners, Eurofins Environmental Testing, SDG#480-226734-1 submitted to Vali-Data of WNY, LLC on September 30, 2024. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines (SOP NO. HW-31, revision 6). The laboratory performed the analysis using Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

DUSR ID	Sample ID	Laboratory ID
1	SS-Basement-010825	480-226734-1
2	IA-Basement-010825	480-226734-2
3	IA-Shop-010825	480-226734-3
4	DUP-010825	480-226734-4
5	OA-010825	480-226734-5

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Method Blanks
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD/Duplicate
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check
-Canister Certification

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use.

Samples: DUSR ID#3 and #4 were diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Results were not recorded to three significant figures. This does not affect the usability of the data, so no further action is required.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

METHOD BLANKS
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD/DUPLICATE
No MS/MSD/Duplicate was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

CANISTER CERTIFICATION BLANKS

All criteria were met.

Job Narrative
480-226734-1

REVISION
The report being provided is a revision of the original report sent on 1/14/2025. The report (revision 1) is being revised to correct incomplete raw data sections in the CatB report.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be 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.

Receipt
The samples were received on 1/10/2025 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Air - GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample ID: SS-Basement-010825
Lab Sample ID: 480-226734-1

Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.38**	**J**	1.1	0.24	ug/m3			01/13/25 14:11	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/13/25 14:11	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/13/25 14:11	1
1,1,2-Trichlorotrifluoroethane	**0.53**	**J**	1.5	0.41	ug/m3			01/13/25 14:11	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/13/25 14:11	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/13/25 14:11	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/13/25 14:11	1
1,2,4-Trimethylbenzene	**1.6**		0.98	0.39	ug/m3			01/13/25 14:11	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/13/25 14:11	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/13/25 14:11	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/13/25 14:11	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/13/25 14:11	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/13/25 14:11	1
1,3,5-Trimethylbenzene	**0.40**	**J**	0.98	0.23	ug/m3			01/13/25 14:11	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			01/13/25 14:11	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/13/25 14:11	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/13/25 14:11	1
1,4-Dioxane	**3.5**	**J**	18	0.30	ug/m3			01/13/25 14:11	1
2,2,4-Trimethylpentane	**0.63**	**J**	0.93	0.18	ug/m3			01/13/25 14:11	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/13/25 14:11	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/13/25 14:11	1
4-Ethyltoluene	**0.30**	**J**	0.98	0.24	ug/m3			01/13/25 14:11	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/13/25 14:11	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/13/25 14:11	1
Acetone	12	U	12	3.8	ug/m3			01/13/25 14:11	1
Benzene	**0.23**	**J**	0.64	0.14	ug/m3			01/13/25 14:11	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/13/25 14:11	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/13/25 14:11	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/13/25 14:11	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/13/25 14:11	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/13/25 14:11	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/13/25 14:11	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			01/13/25 14:11	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/13/25 14:11	1
Chlorodifluoromethane	**0.54**	**J**	1.8	0.42	ug/m3			01/13/25 14:11	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/13/25 14:11	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/13/25 14:11	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			01/13/25 14:11	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/13/25 14:11	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/13/25 14:11	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/13/25 14:11	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/13/25 14:11	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/13/25 14:11	1
Dichlorodifluoromethane	**2.7**		2.5	0.54	ug/m3			01/13/25 14:11	1
Ethylbenzene	**0.31**	**J**	0.87	0.30	ug/m3			01/13/25 14:11	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/13/25 14:11	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			01/13/25 14:11	1
m,p-Xylene	**1.2**	**J**	2.2	0.41	ug/m3			01/13/25 14:11	1

Client Sample ID: SS-Basement-010825
Lab Sample ID: 480-226734-1

Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/13/25 14:11	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/13/25 14:11	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/13/25 14:11	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/13/25 14:11	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/13/25 14:11	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/13/25 14:11	1
n-Butane	**1.4**		1.2	0.48	ug/m3			01/13/25 14:11	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/13/25 14:11	1
n-Heptane	**0.59**	**J**	0.82	0.23	ug/m3			01/13/25 14:11	1
n-Hexane	**0.75**	**J**	1.8	0.39	ug/m3			01/13/25 14:11	1
n-Propylbenzene	**0.23**	**J**	0.98	0.23	ug/m3			01/13/25 14:11	1
o-Xylene	**0.47**	**J**	0.87	0.27	ug/m3			01/13/25 14:11	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/13/25 14:11	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/13/25 14:11	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/13/25 14:11	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/13/25 14:11	1
Tetrachloroethene	**1.7**		1.4	0.14	ug/m3			01/13/25 14:11	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/13/25 14:11	1
Toluene	**1.2**		0.75	0.23	ug/m3			01/13/25 14:11	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/13/25 14:11	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/13/25 14:11	1
Trichloroethene	**0.14**	**J**	0.20	0.13	ug/m3			01/13/25 14:11	1
Trichlorofluoromethane	**11**		1.1	0.28	ug/m3			01/13/25 14:11	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/13/25 14:11	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.069**	**J**	0.20	0.044	ppb v/v			01/13/25 14:11	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/13/25 14:11	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/13/25 14:11	1
1,1,2-Trichlorotrifluoroethane	**0.069**	**J**	0.20	0.053	ppb v/v			01/13/25 14:11	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/13/25 14:11	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/13/25 14:11	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/13/25 14:11	1
1,2,4-Trimethylbenzene	**0.34**		0.20	0.080	ppb v/v			01/13/25 14:11	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/13/25 14:11	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/13/25 14:11	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/13/25 14:11	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/13/25 14:11	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/13/25 14:11	1
1,3,5-Trimethylbenzene	**0.082**	**J**	0.20	0.047	ppb v/v			01/13/25 14:11	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			01/13/25 14:11	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/13/25 14:11	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/13/25 14:11	1
1,4-Dioxane	**0.98**	**J**	5.0	0.082	ppb v/v			01/13/25 14:11	1
2,2,4-Trimethylpentane	**0.14**	**J**	0.20	0.038	ppb v/v			01/13/25 14:11	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/13/25 14:11	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/13/25 14:11	1
4-Ethyltoluene	**0.061**	**J**	0.20	0.049	ppb v/v			01/13/25 14:11	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/13/25 14:11	1

Client Sample ID: SS-Basement-010825
Lab Sample ID: 480-226734-1

Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/13/25 14:11	1
Acetone	5.0	U	5.0	1.6	ppb v/v			01/13/25 14:11	1
Benzene	**0.072**	**J**	0.20	0.044	ppb v/v			01/13/25 14:11	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/13/25 14:11	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/13/25 14:11	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/13/25 14:11	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/13/25 14:11	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/13/25 14:11	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/13/25 14:11	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			01/13/25 14:11	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/13/25 14:11	1
Chlorodifluoromethane	**0.15**	**J**	0.50	0.12	ppb v/v			01/13/25 14:11	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/13/25 14:11	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/13/25 14:11	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			01/13/25 14:11	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/13/25 14:11	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/13/25 14:11	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/13/25 14:11	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/13/25 14:11	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/13/25 14:11	1
Dichlorodifluoromethane	**0.55**		0.50	0.11	ppb v/v			01/13/25 14:11	1
Ethylbenzene	**0.072**	**J**	0.20	0.069	ppb v/v			01/13/25 14:11	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/13/25 14:11	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			01/13/25 14:11	1
m,p-Xylene	**0.28**	**J**	0.50	0.095	ppb v/v			01/13/25 14:11	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/13/25 14:11	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/13/25 14:11	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/13/25 14:11	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/13/25 14:11	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/13/25 14:11	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/13/25 14:11	1
n-Butane	**0.57**		0.50	0.20	ppb v/v			01/13/25 14:11	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/13/25 14:11	1
n-Heptane	**0.14**	**J**	0.20	0.055	ppb v/v			01/13/25 14:11	1
n-Hexane	**0.21**	**J**	0.50	0.11	ppb v/v			01/13/25 14:11	1
n-Propylbenzene	**0.046**	**J**	0.20	0.047	ppb v/v			01/13/25 14:11	1
o-Xylene	**0.11**	**J**	0.20	0.063	ppb v/v			01/13/25 14:11	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/13/25 14:11	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/13/25 14:11	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/13/25 14:11	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/13/25 14:11	1
Tetrachloroethene	**0.25**		0.20	0.021	ppb v/v			01/13/25 14:11	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/13/25 14:11	1
Toluene	**0.31**		0.20	0.062	ppb v/v			01/13/25 14:11	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/13/25 14:11	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/13/25 14:11	1
Trichloroethene	**0.026**	**J**	0.037	0.025	ppb v/v			01/13/25 14:11	1
Trichlorofluoromethane	**1.9**		0.20	0.050	ppb v/v			01/13/25 14:11	1

Client Sample ID: SS-Basement-010825
Lab Sample ID: 480-226734-1
Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/13/25 14:11	1

Client Sample ID: IA-Basement-010825
Lab Sample ID: 480-226734-2

Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			01/10/25 19:51	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/10/25 19:51	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/10/25 19:51	1
1,1,2-Trichlorotrifluoroethane	**0.52**	**J**	1.5	0.41	ug/m3			01/10/25 19:51	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/10/25 19:51	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/10/25 19:51	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/10/25 19:51	1
1,2,4-Trimethylbenzene	**0.48**	**J**	0.98	0.39	ug/m3			01/10/25 19:51	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/10/25 19:51	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/10/25 19:51	1
1,2-Dichloroethane	**0.40**	**J**	0.81	0.38	ug/m3			01/10/25 19:51	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/10/25 19:51	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/10/25 19:51	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 19:51	1
1,3-Butadiene	**0.12**	**J**	0.44	0.086	ug/m3			01/10/25 19:51	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/10/25 19:51	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/10/25 19:51	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/10/25 19:51	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			01/10/25 19:51	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/10/25 19:51	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/10/25 19:51	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/10/25 19:51	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/10/25 19:51	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/10/25 19:51	1
Acetone	**9.8**	**J**	12	3.8	ug/m3			01/10/25 19:51	1
Benzene	**0.32**	**J**	0.64	0.14	ug/m3			01/10/25 19:51	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/10/25 19:51	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/10/25 19:51	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/10/25 19:51	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/10/25 19:51	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/10/25 19:51	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/10/25 19:51	1
Carbon tetrachloride	**0.42**		0.22	0.14	ug/m3			01/10/25 19:51	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/10/25 19:51	1
Chlorodifluoromethane	**1.3**	**J**	1.8	0.42	ug/m3			01/10/25 19:51	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/10/25 19:51	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/10/25 19:51	1
Chloromethane	**1.3**		1.0	0.31	ug/m3			01/10/25 19:51	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/10/25 19:51	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/10/25 19:51	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/10/25 19:51	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/10/25 19:51	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/10/25 19:51	1
Dichlorodifluoromethane	**2.6**		2.5	0.54	ug/m3			01/10/25 19:51	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			01/10/25 19:51	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/10/25 19:51	1
Isopropyl alcohol	**40**		12	3.9	ug/m3			01/10/25 19:51	1
m,p-Xylene	**0.79**	**J**	2.2	0.41	ug/m3			01/10/25 19:51	1

Client Sample ID: IA-Basement-010825
Lab Sample ID: 480-226734-2

Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/10/25 19:51	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/10/25 19:51	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/10/25 19:51	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/10/25 19:51	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/10/25 19:51	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/10/25 19:51	1
n-Butane	**7.0**		1.2	0.48	ug/m3			01/10/25 19:51	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/10/25 19:51	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			01/10/25 19:51	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			01/10/25 19:51	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 19:51	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			01/10/25 19:51	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/10/25 19:51	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/10/25 19:51	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/10/25 19:51	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/10/25 19:51	1
Tetrachloroethene	**0.18**	**J**	1.4	0.14	ug/m3			01/10/25 19:51	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/10/25 19:51	1
Toluene	**0.29**	**J**	0.75	0.23	ug/m3			01/10/25 19:51	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/10/25 19:51	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/10/25 19:51	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			01/10/25 19:51	1
Trichlorofluoromethane	**1.4**		1.1	0.28	ug/m3			01/10/25 19:51	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/10/25 19:51	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			01/10/25 19:51	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/10/25 19:51	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/10/25 19:51	1
1,1,2-Trichlorotrifluoroethane	**0.068**	**J**	0.20	0.053	ppb v/v			01/10/25 19:51	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/10/25 19:51	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/10/25 19:51	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/10/25 19:51	1
1,2,4-Trimethylbenzene	**0.098**	**J**	0.20	0.080	ppb v/v			01/10/25 19:51	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/10/25 19:51	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/10/25 19:51	1
1,2-Dichloroethane	**0.099**	**J**	0.20	0.093	ppb v/v			01/10/25 19:51	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/10/25 19:51	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/10/25 19:51	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 19:51	1
1,3-Butadiene	**0.053**	**J**	0.20	0.039	ppb v/v			01/10/25 19:51	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/10/25 19:51	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/10/25 19:51	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/10/25 19:51	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			01/10/25 19:51	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/10/25 19:51	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/10/25 19:51	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/10/25 19:51	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/10/25 19:51	1

Client Sample ID: IA-Basement-010825
Lab Sample ID: 480-226734-2

Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/10/25 19:51	1
Acetone	**4.1**	**J**	5.0	1.6	ppb v/v			01/10/25 19:51	1
Benzene	**0.10**	**J**	0.20	0.044	ppb v/v			01/10/25 19:51	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/10/25 19:51	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/10/25 19:51	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/10/25 19:51	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/10/25 19:51	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/10/25 19:51	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/10/25 19:51	1
Carbon tetrachloride	**0.067**		0.035	0.022	ppb v/v			01/10/25 19:51	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/10/25 19:51	1
Chlorodifluoromethane	**0.37**	**J**	0.50	0.12	ppb v/v			01/10/25 19:51	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/10/25 19:51	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/10/25 19:51	1
Chloromethane	**0.63**		0.50	0.15	ppb v/v			01/10/25 19:51	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/10/25 19:51	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/10/25 19:51	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/10/25 19:51	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/10/25 19:51	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/10/25 19:51	1
Dichlorodifluoromethane	**0.53**		0.50	0.11	ppb v/v			01/10/25 19:51	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			01/10/25 19:51	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/10/25 19:51	1
Isopropyl alcohol	**16**		5.0	1.6	ppb v/v			01/10/25 19:51	1
m,p-Xylene	**0.18**	**J**	0.50	0.095	ppb v/v			01/10/25 19:51	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/10/25 19:51	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/10/25 19:51	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/10/25 19:51	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/10/25 19:51	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/10/25 19:51	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/10/25 19:51	1
n-Butane	**3.0**		0.50	0.20	ppb v/v			01/10/25 19:51	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/10/25 19:51	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			01/10/25 19:51	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			01/10/25 19:51	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 19:51	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			01/10/25 19:51	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/10/25 19:51	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/10/25 19:51	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/10/25 19:51	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 19:51	1
Tetrachloroethene	**0.027**	**J**	0.20	0.021	ppb v/v			01/10/25 19:51	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/10/25 19:51	1
Toluene	**0.078**	**J**	0.20	0.062	ppb v/v			01/10/25 19:51	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/10/25 19:51	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/10/25 19:51	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			01/10/25 19:51	1
Trichlorofluoromethane	**0.25**		0.20	0.050	ppb v/v			01/10/25 19:51	1

Client Sample ID: IA-Basement-010825
Lab Sample ID: 480-226734-2
Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/10/25 19:51	1

Client Sample ID: IA-Shop-010825
Lab Sample ID: 480-226734-3

Date Collected: 01/08/25 16:09
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			01/10/25 20:42	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/10/25 20:42	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/10/25 20:42	1
1,1,2-Trichlorotrifluoroethane	**0.53**	**J**	1.5	0.41	ug/m3			01/10/25 20:42	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/10/25 20:42	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/10/25 20:42	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/10/25 20:42	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			01/10/25 20:42	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/10/25 20:42	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/10/25 20:42	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/10/25 20:42	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/10/25 20:42	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/10/25 20:42	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 20:42	1
1,3-Butadiene	**0.094**	**J**	0.44	0.086	ug/m3			01/10/25 20:42	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/10/25 20:42	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/10/25 20:42	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/10/25 20:42	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			01/10/25 20:42	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/10/25 20:42	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/10/25 20:42	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/10/25 20:42	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/10/25 20:42	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/10/25 20:42	1
Acetone	**12**		12	3.8	ug/m3			01/10/25 20:42	1
Benzene	**0.35**	**J**	0.64	0.14	ug/m3			01/10/25 20:42	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/10/25 20:42	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/10/25 20:42	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/10/25 20:42	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/10/25 20:42	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/10/25 20:42	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/10/25 20:42	1
Carbon tetrachloride	**0.32**		0.22	0.14	ug/m3			01/10/25 20:42	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/10/25 20:42	1
Chlorodifluoromethane	**1.3**	**J**	1.8	0.42	ug/m3			01/10/25 20:42	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/10/25 20:42	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/10/25 20:42	1
Chloromethane	**1.4**		1.0	0.31	ug/m3			01/10/25 20:42	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/10/25 20:42	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/10/25 20:42	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/10/25 20:42	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/10/25 20:42	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/10/25 20:42	1
Dichlorodifluoromethane	**2.7**		2.5	0.54	ug/m3			01/10/25 20:42	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			01/10/25 20:42	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/10/25 20:42	1
Isopropyl alcohol	**180**	**E**	12	3.9	ug/m3			01/10/25 20:42	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			01/10/25 20:42	1

Client Sample ID: IA-Shop-010825
Lab Sample ID: 480-226734-3

Date Collected: 01/08/25 16:09
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/10/25 20:42	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/10/25 20:42	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/10/25 20:42	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/10/25 20:42	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/10/25 20:42	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/10/25 20:42	1
n-Butane	**6.3**		1.2	0.48	ug/m3			01/10/25 20:42	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/10/25 20:42	1
n-Heptane	**0.31**	**J**	0.82	0.23	ug/m3			01/10/25 20:42	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			01/10/25 20:42	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 20:42	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			01/10/25 20:42	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/10/25 20:42	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/10/25 20:42	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/10/25 20:42	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/10/25 20:42	1
Tetrachloroethene	**0.15**	**J**	1.4	0.14	ug/m3			01/10/25 20:42	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/10/25 20:42	1
Toluene	**0.39**	**J**	0.75	0.23	ug/m3			01/10/25 20:42	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/10/25 20:42	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/10/25 20:42	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			01/10/25 20:42	1
Trichlorofluoromethane	**1.5**		1.1	0.28	ug/m3			01/10/25 20:42	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/10/25 20:42	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			01/10/25 20:42	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/10/25 20:42	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/10/25 20:42	1
1,1,2-Trichlorotrifluoroethane	**0.069**	**J**	0.20	0.053	ppb v/v			01/10/25 20:42	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/10/25 20:42	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/10/25 20:42	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/10/25 20:42	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			01/10/25 20:42	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/10/25 20:42	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/10/25 20:42	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/10/25 20:42	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/10/25 20:42	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/10/25 20:42	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 20:42	1
1,3-Butadiene	**0.043**	**J**	0.20	0.039	ppb v/v			01/10/25 20:42	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/10/25 20:42	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/10/25 20:42	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/10/25 20:42	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			01/10/25 20:42	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/10/25 20:42	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/10/25 20:42	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/10/25 20:42	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/10/25 20:42	1

Client Sample ID: IA-Shop-010825
Lab Sample ID: 480-226734-3

Date Collected: 01/08/25 16:09
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/10/25 20:42	1
Acetone	**4.9**		5.0	1.6	ppb v/v			01/10/25 20:42	1
Benzene	**0.11**	**J**	0.20	0.044	ppb v/v			01/10/25 20:42	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/10/25 20:42	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/10/25 20:42	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/10/25 20:42	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/10/25 20:42	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/10/25 20:42	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/10/25 20:42	1
Carbon tetrachloride	**0.051**		0.035	0.022	ppb v/v			01/10/25 20:42	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/10/25 20:42	1
Chlorodifluoromethane	**0.36**	**J**	0.50	0.12	ppb v/v			01/10/25 20:42	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/10/25 20:42	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/10/25 20:42	1
Chloromethane	**0.69**		0.50	0.15	ppb v/v			01/10/25 20:42	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/10/25 20:42	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/10/25 20:42	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/10/25 20:42	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/10/25 20:42	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/10/25 20:42	1
Dichlorodifluoromethane	**0.54**		0.50	0.11	ppb v/v			01/10/25 20:42	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			01/10/25 20:42	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/10/25 20:42	1
Isopropyl alcohol	**74**	**E**	5.0	1.6	ppb v/v			01/10/25 20:42	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			01/10/25 20:42	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/10/25 20:42	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/10/25 20:42	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/10/25 20:42	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/10/25 20:42	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/10/25 20:42	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/10/25 20:42	1
n-Butane	**2.7**		0.50	0.20	ppb v/v			01/10/25 20:42	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/10/25 20:42	1
n-Heptane	**0.075**	**J**	0.20	0.055	ppb v/v			01/10/25 20:42	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			01/10/25 20:42	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 20:42	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			01/10/25 20:42	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/10/25 20:42	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/10/25 20:42	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/10/25 20:42	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 20:42	1
Tetrachloroethene	**0.022**	**J**	0.20	0.021	ppb v/v			01/10/25 20:42	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/10/25 20:42	1
Toluene	**0.10**	**J**	0.20	0.062	ppb v/v			01/10/25 20:42	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/10/25 20:42	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/10/25 20:42	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			01/10/25 20:42	1
Trichlorofluoromethane	**0.27**		0.20	0.050	ppb v/v			01/10/25 20:42	1

Client Sample ID: IA-Shop-010825
Lab Sample ID: 480-226734-3

Date Collected: 01/08/25 16:09
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/10/25 20:42	1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.4	U	4.4	0.96	ug/m3			01/13/25 16:44	4
1,1,2,2-Tetrachloroethane	5.5	U	5.5	1.2	ug/m3			01/13/25 16:44	4
1,1,2-Trichloroethane	4.4	U	4.4	1.6	ug/m3			01/13/25 16:44	4
1,1,2-Trichlorotrifluoroethane	6.1	U	6.1	1.6	ug/m3			01/13/25 16:44	4
1,1-Dichloroethane	3.2	U	3.2	0.40	ug/m3			01/13/25 16:44	4
1,1-Dichloroethene	0.80	U	0.80	0.41	ug/m3			01/13/25 16:44	4
1,2,4-Trichlorobenzene	15	U	15	9.8	ug/m3			01/13/25 16:44	4
1,2,4-Trimethylbenzene	3.9	U	3.9	1.6	ug/m3			01/13/25 16:44	4
1,2-Dibromoethane	6.1	U	6.1	1.3	ug/m3			01/13/25 16:44	4
1,2-Dichlorobenzene	4.8	U	4.8	1.6	ug/m3			01/13/25 16:44	4
1,2-Dichloroethane	3.2	U	3.2	1.5	ug/m3			01/13/25 16:44	4
1,2-Dichloropropane	3.7	U	3.7	1.7	ug/m3			01/13/25 16:44	4
1,2-Dichlorotetrafluoroethane	5.6	U	5.6	1.3	ug/m3			01/13/25 16:44	4
1,3,5-Trimethylbenzene	3.9	U	3.9	0.92	ug/m3			01/13/25 16:44	4
1,3-Butadiene	1.8	U	1.8	0.35	ug/m3			01/13/25 16:44	4
1,3-Dichlorobenzene	4.8	U	4.8	1.8	ug/m3			01/13/25 16:44	4
1,4-Dichlorobenzene	4.8	U	4.8	2.1	ug/m3			01/13/25 16:44	4
1,4-Dioxane	72	U	72	1.2	ug/m3			01/13/25 16:44	4
2,2,4-Trimethylpentane	3.7	U	3.7	0.71	ug/m3			01/13/25 16:44	4
2-Chlorotoluene	4.1	U	4.1	0.95	ug/m3			01/13/25 16:44	4
3-Chloropropene	6.3	U	6.3	1.5	ug/m3			01/13/25 16:44	4
4-Ethyltoluene	3.9	U	3.9	0.96	ug/m3			01/13/25 16:44	4
4-Isopropyltoluene	4.4	U	4.4	1.3	ug/m3			01/13/25 16:44	4
4-Methyl-2-pentanone (Methyl isobutyl ketone)	8.2	U	8.2	2.1	ug/m3			01/13/25 16:44	4
Acetone	48	U	48	15	ug/m3			01/13/25 16:44	4
Benzene	2.6	U	2.6	0.56	ug/m3			01/13/25 16:44	4
Benzyl chloride	4.1	U	4.1	1.8	ug/m3			01/13/25 16:44	4
Bromodichloromethane	5.4	U	5.4	1.3	ug/m3			01/13/25 16:44	4
Bromoethene(Vinyl Bromide)	3.5	U	3.5	0.87	ug/m3			01/13/25 16:44	4
Bromoform	8.3	U	8.3	5.0	ug/m3			01/13/25 16:44	4
Bromomethane	3.1	U	3.1	1.1	ug/m3			01/13/25 16:44	4
Carbon disulfide	6.2	U	6.2	1.6	ug/m3			01/13/25 16:44	4
Carbon tetrachloride	0.88	U	0.88	0.55	ug/m3			01/13/25 16:44	4
Chlorobenzene	3.7	U	3.7	0.81	ug/m3			01/13/25 16:44	4
Chlorodifluoromethane	7.1	U	7.1	1.7	ug/m3			01/13/25 16:44	4
Chloroethane	5.3	U	5.3	1.9	ug/m3			01/13/25 16:44	4
Chloroform	3.9	U	3.9	0.80	ug/m3			01/13/25 16:44	4
Chloromethane	**1.4**	**J**	4.1	1.2	ug/m3			01/13/25 16:44	4
cis-1,2-Dichloroethene	0.80	U	0.80	0.33	ug/m3			01/13/25 16:44	4
cis-1,3-Dichloropropene	3.6	U	3.6	0.82	ug/m3			01/13/25 16:44	4
Cumene	3.9	U	3.9	0.81	ug/m3			01/13/25 16:44	4
Cyclohexane	2.8	U	2.8	0.80	ug/m3			01/13/25 16:44	4
Dibromochloromethane	6.8	U	6.8	2.1	ug/m3			01/13/25 16:44	4
Dichlorodifluoromethane	**2.5**	**J**	9.9	2.2	ug/m3			01/13/25 16:44	4

Client Sample ID: IA-Shop-010825
Lab Sample ID: 480-226734-3

Date Collected: 01/08/25 16:09
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	3.5	U	3.5	1.2	ug/m3			01/13/25 16:44	4
Hexachlorobutadiene	8.5	U	8.5	4.7	ug/m3			01/13/25 16:44	4
Isopropyl alcohol	**170**		49	16	ug/m3			01/13/25 16:44	4
m,p-Xylene	8.7	U	8.7	1.7	ug/m3			01/13/25 16:44	4
Methyl Butyl Ketone (2-Hexanone)	8.2	U	8.2	2.5	ug/m3			01/13/25 16:44	4
Methyl Ethyl Ketone (2-Butanone)	5.9	U	5.9	5.8	ug/m3			01/13/25 16:44	4
Methyl methacrylate	8.2	U	8.2	2.3	ug/m3			01/13/25 16:44	4
Methyl tert-butyl ether	2.9	U	2.9	0.52	ug/m3			01/13/25 16:44	4
Methylene Chloride	6.9	U	6.9	2.5	ug/m3			01/13/25 16:44	4
Naphthalene	10	U	10	6.3	ug/m3			01/13/25 16:44	4
n-Butane	**7.1**		4.8	1.9	ug/m3			01/13/25 16:44	4
n-Butylbenzene	4.4	U	4.4	2.4	ug/m3			01/13/25 16:44	4
n-Heptane	3.3	U	3.3	0.90	ug/m3			01/13/25 16:44	4
n-Hexane	7.0	U	7.0	1.6	ug/m3			01/13/25 16:44	4
n-Propylbenzene	3.9	U	3.9	0.92	ug/m3			01/13/25 16:44	4
o-Xylene	3.5	U	3.5	1.1	ug/m3			01/13/25 16:44	4
sec-Butylbenzene	4.4	U	4.4	0.99	ug/m3			01/13/25 16:44	4
Styrene	3.4	U	3.4	1.0	ug/m3			01/13/25 16:44	4
tert-Butyl alcohol	61	U	61	15	ug/m3			01/13/25 16:44	4
tert-Butylbenzene	4.4	U	4.4	1.0	ug/m3			01/13/25 16:44	4
Tetrachloroethene	5.4	U	5.4	0.57	ug/m3			01/13/25 16:44	4
Tetrahydrofuran	59	U	59	15	ug/m3			01/13/25 16:44	4
Toluene	3.0	U	3.0	0.93	ug/m3			01/13/25 16:44	4
trans-1,2-Dichloroethene	3.2	U	3.2	0.36	ug/m3			01/13/25 16:44	4
trans-1,3-Dichloropropene	3.6	U	3.6	0.98	ug/m3			01/13/25 16:44	4
Trichloroethene	0.80	U	0.80	0.54	ug/m3			01/13/25 16:44	4
Trichlorofluoromethane	**1.4**	**J**	4.5	1.1	ug/m3			01/13/25 16:44	4
Vinyl chloride	0.80	U	0.80	0.21	ug/m3			01/13/25 16:44	4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.80	U	0.80	0.18	ppb v/v			01/13/25 16:44	4
1,1,2,2-Tetrachloroethane	0.80	U	0.80	0.17	ppb v/v			01/13/25 16:44	4
1,1,2-Trichloroethane	0.80	U	0.80	0.30	ppb v/v			01/13/25 16:44	4
1,1,2-Trichlorotrifluoroethane	0.80	U	0.80	0.21	ppb v/v			01/13/25 16:44	4
1,1-Dichloroethane	0.80	U	0.80	0.10	ppb v/v			01/13/25 16:44	4
1,1-Dichloroethene	0.20	U	0.20	0.10	ppb v/v			01/13/25 16:44	4
1,2,4-Trichlorobenzene	2.0	U	2.0	1.3	ppb v/v			01/13/25 16:44	4
1,2,4-Trimethylbenzene	0.80	U	0.80	0.32	ppb v/v			01/13/25 16:44	4
1,2-Dibromoethane	0.80	U	0.80	0.17	ppb v/v			01/13/25 16:44	4
1,2-Dichlorobenzene	0.80	U	0.80	0.26	ppb v/v			01/13/25 16:44	4
1,2-Dichloroethane	0.80	U	0.80	0.37	ppb v/v			01/13/25 16:44	4
1,2-Dichloropropane	0.80	U	0.80	0.38	ppb v/v			01/13/25 16:44	4
1,2-Dichlorotetrafluoroethane	0.80	U	0.80	0.19	ppb v/v			01/13/25 16:44	4
1,3,5-Trimethylbenzene	0.80	U	0.80	0.19	ppb v/v			01/13/25 16:44	4
1,3-Butadiene	0.80	U	0.80	0.16	ppb v/v			01/13/25 16:44	4
1,3-Dichlorobenzene	0.80	U	0.80	0.30	ppb v/v			01/13/25 16:44	4
1,4-Dichlorobenzene	0.80	U	0.80	0.36	ppb v/v			01/13/25 16:44	4
1,4-Dioxane	20	U	20	0.33	ppb v/v			01/13/25 16:44	4
2,2,4-Trimethylpentane	0.80	U	0.80	0.15	ppb v/v			01/13/25 16:44	4

Client Sample ID: IA-Shop-010825
Lab Sample ID: 480-226734-3

Date Collected: 01/08/25 16:09
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.80	U	0.80	0.18	ppb v/v			01/13/25 16:44	4
3-Chloropropene	2.0	U	2.0	0.48	ppb v/v			01/13/25 16:44	4
4-Ethyltoluene	0.80	U	0.80	0.20	ppb v/v			01/13/25 16:44	4
4-Isopropyltoluene	0.80	U	0.80	0.24	ppb v/v			01/13/25 16:44	4
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.52	ppb v/v			01/13/25 16:44	4
Acetone	20	U	20	6.4	ppb v/v			01/13/25 16:44	4
Benzene	0.80	U	0.80	0.18	ppb v/v			01/13/25 16:44	4
Benzyl chloride	0.80	U	0.80	0.35	ppb v/v			01/13/25 16:44	4
Bromodichloromethane	0.80	U	0.80	0.20	ppb v/v			01/13/25 16:44	4
Bromoethene(Vinyl Bromide)	0.80	U	0.80	0.20	ppb v/v			01/13/25 16:44	4
Bromoform	0.80	U	0.80	0.48	ppb v/v			01/13/25 16:44	4
Bromomethane	0.80	U	0.80	0.28	ppb v/v			01/13/25 16:44	4
Carbon disulfide	2.0	U	2.0	0.52	ppb v/v			01/13/25 16:44	4
Carbon tetrachloride	0.14	U	0.14	0.088	ppb v/v			01/13/25 16:44	4
Chlorobenzene	0.80	U	0.80	0.18	ppb v/v			01/13/25 16:44	4
Chlorodifluoromethane	2.0	U	2.0	0.48	ppb v/v			01/13/25 16:44	4
Chloroethane	2.0	U	2.0	0.72	ppb v/v			01/13/25 16:44	4
Chloroform	0.80	U	0.80	0.16	ppb v/v			01/13/25 16:44	4
Chloromethane	**0.66**	**J**	2.0	0.60	ppb v/v			01/13/25 16:44	4
cis-1,2-Dichloroethene	0.20	U	0.20	0.084	ppb v/v			01/13/25 16:44	4
cis-1,3-Dichloropropene	0.80	U	0.80	0.18	ppb v/v			01/13/25 16:44	4
Cumene	0.80	U	0.80	0.16	ppb v/v			01/13/25 16:44	4
Cyclohexane	0.80	U	0.80	0.23	ppb v/v			01/13/25 16:44	4
Dibromochloromethane	0.80	U	0.80	0.25	ppb v/v			01/13/25 16:44	4
Dichlorodifluoromethane	**0.52**	**J**	2.0	0.44	ppb v/v			01/13/25 16:44	4
Ethylbenzene	0.80	U	0.80	0.28	ppb v/v			01/13/25 16:44	4
Hexachlorobutadiene	0.80	U	0.80	0.44	ppb v/v			01/13/25 16:44	4
Isopropyl alcohol	**68**		20	6.4	ppb v/v			01/13/25 16:44	4
m,p-Xylene	2.0	U	2.0	0.38	ppb v/v			01/13/25 16:44	4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.60	ppb v/v			01/13/25 16:44	4
Methyl Ethyl Ketone (2-Butanone)	2.0	U	2.0	2.0	ppb v/v			01/13/25 16:44	4
Methyl methacrylate	2.0	U	2.0	0.56	ppb v/v			01/13/25 16:44	4
Methyl tert-butyl ether	0.80	U	0.80	0.14	ppb v/v			01/13/25 16:44	4
Methylene Chloride	2.0	U	2.0	0.72	ppb v/v			01/13/25 16:44	4
Naphthalene	2.0	U	2.0	1.2	ppb v/v			01/13/25 16:44	4
n-Butane	**3.0**		2.0	0.80	ppb v/v			01/13/25 16:44	4
n-Butylbenzene	0.80	U	0.80	0.44	ppb v/v			01/13/25 16:44	4
n-Heptane	0.80	U	0.80	0.22	ppb v/v			01/13/25 16:44	4
n-Hexane	2.0	U	2.0	0.44	ppb v/v			01/13/25 16:44	4
n-Propylbenzene	0.80	U	0.80	0.19	ppb v/v			01/13/25 16:44	4
o-Xylene	0.80	U	0.80	0.25	ppb v/v			01/13/25 16:44	4
sec-Butylbenzene	0.80	U	0.80	0.18	ppb v/v			01/13/25 16:44	4
Styrene	0.80	U	0.80	0.24	ppb v/v			01/13/25 16:44	4
tert-Butyl alcohol	20	U	20	4.8	ppb v/v			01/13/25 16:44	4
tert-Butylbenzene	0.80	U	0.80	0.19	ppb v/v			01/13/25 16:44	4
Tetrachloroethene	0.80	U	0.80	0.084	ppb v/v			01/13/25 16:44	4
Tetrahydrofuran	20	U	20	5.2	ppb v/v			01/13/25 16:44	4
Toluene	0.80	U	0.80	0.25	ppb v/v			01/13/25 16:44	4

Client Sample ID: IA-Shop-010825
Lab Sample ID: 480-226734-3
Date Collected: 01/08/25 16:09
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.80	U	0.80	0.092	ppb v/v			01/13/25 16:44	4
trans-1,3-Dichloropropene	0.80	U	0.80	0.22	ppb v/v			01/13/25 16:44	4
Trichloroethene	0.15	U	0.15	0.10	ppb v/v			01/13/25 16:44	4
Trichlorofluoromethane	**0.25**	**J**	0.80	0.20	ppb v/v			01/13/25 16:44	4
Vinyl chloride	0.31	U	0.31	0.084	ppb v/v			01/13/25 16:44	4

Client Sample ID: DUP-010825
Lab Sample ID: 480-226734-4

Date Collected: 01/08/25 00:00
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			01/10/25 21:34	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/10/25 21:34	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/10/25 21:34	1
1,1,2-Trichlorotrifluoroethane	**0.52**	**J**	1.5	0.41	ug/m3			01/10/25 21:34	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/10/25 21:34	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/10/25 21:34	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/10/25 21:34	1
1,2,4-Trimethylbenzene	**1.0**		0.98	0.39	ug/m3			01/10/25 21:34	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/10/25 21:34	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/10/25 21:34	1
1,2-Dichloroethane	**0.38**	**J**	0.81	0.38	ug/m3			01/10/25 21:34	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/10/25 21:34	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/10/25 21:34	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 21:34	1
1,3-Butadiene	**0.11**	**J**	0.44	0.086	ug/m3			01/10/25 21:34	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/10/25 21:34	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/10/25 21:34	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/10/25 21:34	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			01/10/25 21:34	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/10/25 21:34	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/10/25 21:34	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/10/25 21:34	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/10/25 21:34	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/10/25 21:34	1
Acetone	**15**		12	3.8	ug/m3			01/10/25 21:34	1
Benzene	**0.39**	**J**	0.64	0.14	ug/m3			01/10/25 21:34	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/10/25 21:34	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/10/25 21:34	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/10/25 21:34	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/10/25 21:34	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/10/25 21:34	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/10/25 21:34	1
Carbon tetrachloride	**0.41**		0.22	0.14	ug/m3			01/10/25 21:34	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/10/25 21:34	1
Chlorodifluoromethane	**1.2**	**J**	1.8	0.42	ug/m3			01/10/25 21:34	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/10/25 21:34	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/10/25 21:34	1
Chloromethane	**1.5**		1.0	0.31	ug/m3			01/10/25 21:34	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/10/25 21:34	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/10/25 21:34	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/10/25 21:34	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/10/25 21:34	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/10/25 21:34	1
Dichlorodifluoromethane	**2.6**		2.5	0.54	ug/m3			01/10/25 21:34	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			01/10/25 21:34	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/10/25 21:34	1
Isopropyl alcohol	**200**	**E**	12	3.9	ug/m3			01/10/25 21:34	1
m,p-Xylene	**0.52**	**J**	2.2	0.41	ug/m3			01/10/25 21:34	1

Client Sample ID: DUP-010825
Lab Sample ID: 480-226734-4

Date Collected: 01/08/25 00:00
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/10/25 21:34	1
Methyl Ethyl Ketone (2-Butanone)	**1.7**		1.5	1.4	ug/m3			01/10/25 21:34	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/10/25 21:34	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/10/25 21:34	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/10/25 21:34	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/10/25 21:34	1
n-Butane	**6.7**		1.2	0.48	ug/m3			01/10/25 21:34	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/10/25 21:34	1
n-Heptane	**0.44**	**J**	0.82	0.23	ug/m3			01/10/25 21:34	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			01/10/25 21:34	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 21:34	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			01/10/25 21:34	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/10/25 21:34	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/10/25 21:34	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/10/25 21:34	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/10/25 21:34	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			01/10/25 21:34	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/10/25 21:34	1
Toluene	**0.79**		0.75	0.23	ug/m3			01/10/25 21:34	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/10/25 21:34	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/10/25 21:34	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			01/10/25 21:34	1
Trichlorofluoromethane	**1.5**		1.1	0.28	ug/m3			01/10/25 21:34	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/10/25 21:34	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			01/10/25 21:34	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/10/25 21:34	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/10/25 21:34	1
1,1,2-Trichlorotrifluoroethane	**0.068**	**J**	0.20	0.053	ppb v/v			01/10/25 21:34	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/10/25 21:34	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/10/25 21:34	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/10/25 21:34	1
1,2,4-Trimethylbenzene	**0.20**		0.20	0.080	ppb v/v			01/10/25 21:34	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/10/25 21:34	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/10/25 21:34	1
1,2-Dichloroethane	**0.094**	**J**	0.20	0.093	ppb v/v			01/10/25 21:34	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/10/25 21:34	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/10/25 21:34	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 21:34	1
1,3-Butadiene	**0.048**	**J**	0.20	0.039	ppb v/v			01/10/25 21:34	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/10/25 21:34	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/10/25 21:34	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/10/25 21:34	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			01/10/25 21:34	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/10/25 21:34	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/10/25 21:34	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/10/25 21:34	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/10/25 21:34	1

Client Sample ID: DUP-010825
Lab Sample ID: 480-226734-4

Date Collected: 01/08/25 00:00
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/10/25 21:34	1
Acetone	**6.2**		5.0	1.6	ppb v/v			01/10/25 21:34	1
Benzene	**0.12**	**J**	0.20	0.044	ppb v/v			01/10/25 21:34	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/10/25 21:34	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/10/25 21:34	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/10/25 21:34	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/10/25 21:34	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/10/25 21:34	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/10/25 21:34	1
Carbon tetrachloride	**0.065**		0.035	0.022	ppb v/v			01/10/25 21:34	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/10/25 21:34	1
Chlorodifluoromethane	**0.35**	**J**	0.50	0.12	ppb v/v			01/10/25 21:34	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/10/25 21:34	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/10/25 21:34	1
Chloromethane	**0.73**		0.50	0.15	ppb v/v			01/10/25 21:34	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/10/25 21:34	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/10/25 21:34	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/10/25 21:34	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/10/25 21:34	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/10/25 21:34	1
Dichlorodifluoromethane	**0.52**		0.50	0.11	ppb v/v			01/10/25 21:34	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			01/10/25 21:34	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/10/25 21:34	1
Isopropyl alcohol	**80**	**E**	5.0	1.6	ppb v/v			01/10/25 21:34	1
m,p-Xylene	**0.12**	**J**	0.50	0.095	ppb v/v			01/10/25 21:34	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/10/25 21:34	1
Methyl Ethyl Ketone (2-Butanone)	**0.58**		0.50	0.49	ppb v/v			01/10/25 21:34	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/10/25 21:34	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/10/25 21:34	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/10/25 21:34	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/10/25 21:34	1
n-Butane	**2.8**		0.50	0.20	ppb v/v			01/10/25 21:34	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/10/25 21:34	1
n-Heptane	**0.11**	**J**	0.20	0.055	ppb v/v			01/10/25 21:34	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			01/10/25 21:34	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 21:34	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			01/10/25 21:34	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/10/25 21:34	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/10/25 21:34	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/10/25 21:34	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 21:34	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			01/10/25 21:34	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/10/25 21:34	1
Toluene	**0.21**		0.20	0.062	ppb v/v			01/10/25 21:34	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/10/25 21:34	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/10/25 21:34	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			01/10/25 21:34	1
Trichlorofluoromethane	**0.26**		0.20	0.050	ppb v/v			01/10/25 21:34	1

Client Sample ID: DUP-010825
Lab Sample ID: 480-226734-4

Date Collected: 01/08/25 00:00
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/10/25 21:34	1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.4	U	4.4	0.96	ug/m3			01/13/25 17:35	4
1,1,2,2-Tetrachloroethane	5.5	U	5.5	1.2	ug/m3			01/13/25 17:35	4
1,1,2-Trichloroethane	4.4	U	4.4	1.6	ug/m3			01/13/25 17:35	4
1,1,2-Trichlorotrifluoroethane	6.1	U	6.1	1.6	ug/m3			01/13/25 17:35	4
1,1-Dichloroethane	3.2	U	3.2	0.40	ug/m3			01/13/25 17:35	4
1,1-Dichloroethene	0.80	U	0.80	0.41	ug/m3			01/13/25 17:35	4
1,2,4-Trichlorobenzene	15	U	15	9.8	ug/m3			01/13/25 17:35	4
1,2,4-Trimethylbenzene	3.9	U	3.9	1.6	ug/m3			01/13/25 17:35	4
1,2-Dibromoethane	6.1	U	6.1	1.3	ug/m3			01/13/25 17:35	4
1,2-Dichlorobenzene	4.8	U	4.8	1.6	ug/m3			01/13/25 17:35	4
1,2-Dichloroethane	3.2	U	3.2	1.5	ug/m3			01/13/25 17:35	4
1,2-Dichloropropane	3.7	U	3.7	1.7	ug/m3			01/13/25 17:35	4
1,2-Dichlorotetrafluoroethane	5.6	U	5.6	1.3	ug/m3			01/13/25 17:35	4
1,3,5-Trimethylbenzene	3.9	U	3.9	0.92	ug/m3			01/13/25 17:35	4
1,3-Butadiene	1.8	U	1.8	0.35	ug/m3			01/13/25 17:35	4
1,3-Dichlorobenzene	4.8	U	4.8	1.8	ug/m3			01/13/25 17:35	4
1,4-Dichlorobenzene	4.8	U	4.8	2.1	ug/m3			01/13/25 17:35	4
1,4-Dioxane	72	U	72	1.2	ug/m3			01/13/25 17:35	4
2,2,4-Trimethylpentane	3.7	U	3.7	0.71	ug/m3			01/13/25 17:35	4
2-Chlorotoluene	4.1	U	4.1	0.95	ug/m3			01/13/25 17:35	4
3-Chloropropene	6.3	U	6.3	1.5	ug/m3			01/13/25 17:35	4
4-Ethyltoluene	3.9	U	3.9	0.96	ug/m3			01/13/25 17:35	4
4-Isopropyltoluene	4.4	U	4.4	1.3	ug/m3			01/13/25 17:35	4
4-Methyl-2-pentanone (Methyl isobutyl ketone)	8.2	U	8.2	2.1	ug/m3			01/13/25 17:35	4
Acetone	48	U	48	15	ug/m3			01/13/25 17:35	4
Benzene	2.6	U	2.6	0.56	ug/m3			01/13/25 17:35	4
Benzyl chloride	4.1	U	4.1	1.8	ug/m3			01/13/25 17:35	4
Bromodichloromethane	5.4	U	5.4	1.3	ug/m3			01/13/25 17:35	4
Bromoethene(Vinyl Bromide)	3.5	U	3.5	0.87	ug/m3			01/13/25 17:35	4
Bromoform	8.3	U	8.3	5.0	ug/m3			01/13/25 17:35	4
Bromomethane	3.1	U	3.1	1.1	ug/m3			01/13/25 17:35	4
Carbon disulfide	6.2	U	6.2	1.6	ug/m3			01/13/25 17:35	4
Carbon tetrachloride	0.88	U	0.88	0.55	ug/m3			01/13/25 17:35	4
Chlorobenzene	3.7	U	3.7	0.81	ug/m3			01/13/25 17:35	4
Chlorodifluoromethane	7.1	U	7.1	1.7	ug/m3			01/13/25 17:35	4
Chloroethane	5.3	U	5.3	1.9	ug/m3			01/13/25 17:35	4
Chloroform	3.9	U	3.9	0.80	ug/m3			01/13/25 17:35	4
Chloromethane	**1.4**	**J**	4.1	1.2	ug/m3			01/13/25 17:35	4
cis-1,2-Dichloroethene	0.80	U	0.80	0.33	ug/m3			01/13/25 17:35	4
cis-1,3-Dichloropropene	3.6	U	3.6	0.82	ug/m3			01/13/25 17:35	4
Cumene	3.9	U	3.9	0.81	ug/m3			01/13/25 17:35	4
Cyclohexane	2.8	U	2.8	0.80	ug/m3			01/13/25 17:35	4
Dibromochloromethane	6.8	U	6.8	2.1	ug/m3			01/13/25 17:35	4
Dichlorodifluoromethane	**2.6**	**J**	9.9	2.2	ug/m3			01/13/25 17:35	4

Client Sample ID: DUP-010825
Lab Sample ID: 480-226734-4

Date Collected: 01/08/25 00:00
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	3.5	U	3.5	1.2	ug/m3			01/13/25 17:35	4
Hexachlorobutadiene	8.5	U	8.5	4.7	ug/m3			01/13/25 17:35	4
Isopropyl alcohol	**180**		49	16	ug/m3			01/13/25 17:35	4
m,p-Xylene	8.7	U	8.7	1.7	ug/m3			01/13/25 17:35	4
Methyl Butyl Ketone (2-Hexanone)	8.2	U	8.2	2.5	ug/m3			01/13/25 17:35	4
Methyl Ethyl Ketone (2-Butanone)	5.9	U	5.9	5.8	ug/m3			01/13/25 17:35	4
Methyl methacrylate	8.2	U	8.2	2.3	ug/m3			01/13/25 17:35	4
Methyl tert-butyl ether	2.9	U	2.9	0.52	ug/m3			01/13/25 17:35	4
Methylene Chloride	6.9	U	6.9	2.5	ug/m3			01/13/25 17:35	4
Naphthalene	10	U	10	6.3	ug/m3			01/13/25 17:35	4
n-Butane	**7.1**		4.8	1.9	ug/m3			01/13/25 17:35	4
n-Butylbenzene	4.4	U	4.4	2.4	ug/m3			01/13/25 17:35	4
n-Heptane	3.3	U	3.3	0.90	ug/m3			01/13/25 17:35	4
n-Hexane	7.0	U	7.0	1.6	ug/m3			01/13/25 17:35	4
n-Propylbenzene	3.9	U	3.9	0.92	ug/m3			01/13/25 17:35	4
o-Xylene	3.5	U	3.5	1.1	ug/m3			01/13/25 17:35	4
sec-Butylbenzene	4.4	U	4.4	0.99	ug/m3			01/13/25 17:35	4
Styrene	3.4	U	3.4	1.0	ug/m3			01/13/25 17:35	4
tert-Butyl alcohol	61	U	61	15	ug/m3			01/13/25 17:35	4
tert-Butylbenzene	4.4	U	4.4	1.0	ug/m3			01/13/25 17:35	4
Tetrachloroethene	5.4	U	5.4	0.57	ug/m3			01/13/25 17:35	4
Tetrahydrofuran	59	U	59	15	ug/m3			01/13/25 17:35	4
Toluene	3.0	U	3.0	0.93	ug/m3			01/13/25 17:35	4
trans-1,2-Dichloroethene	3.2	U	3.2	0.36	ug/m3			01/13/25 17:35	4
trans-1,3-Dichloropropene	3.6	U	3.6	0.98	ug/m3			01/13/25 17:35	4
Trichloroethene	0.80	U	0.80	0.54	ug/m3			01/13/25 17:35	4
Trichlorofluoromethane	**1.3**	**J**	4.5	1.1	ug/m3			01/13/25 17:35	4
Vinyl chloride	0.80	U	0.80	0.21	ug/m3			01/13/25 17:35	4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.80	U	0.80	0.18	ppb v/v			01/13/25 17:35	4
1,1,2,2-Tetrachloroethane	0.80	U	0.80	0.17	ppb v/v			01/13/25 17:35	4
1,1,2-Trichloroethane	0.80	U	0.80	0.30	ppb v/v			01/13/25 17:35	4
1,1,2-Trichlorotrifluoroethane	0.80	U	0.80	0.21	ppb v/v			01/13/25 17:35	4
1,1-Dichloroethane	0.80	U	0.80	0.10	ppb v/v			01/13/25 17:35	4
1,1-Dichloroethene	0.20	U	0.20	0.10	ppb v/v			01/13/25 17:35	4
1,2,4-Trichlorobenzene	2.0	U	2.0	1.3	ppb v/v			01/13/25 17:35	4
1,2,4-Trimethylbenzene	0.80	U	0.80	0.32	ppb v/v			01/13/25 17:35	4
1,2-Dibromoethane	0.80	U	0.80	0.17	ppb v/v			01/13/25 17:35	4
1,2-Dichlorobenzene	0.80	U	0.80	0.26	ppb v/v			01/13/25 17:35	4
1,2-Dichloroethane	0.80	U	0.80	0.37	ppb v/v			01/13/25 17:35	4
1,2-Dichloropropane	0.80	U	0.80	0.38	ppb v/v			01/13/25 17:35	4
1,2-Dichlorotetrafluoroethane	0.80	U	0.80	0.19	ppb v/v			01/13/25 17:35	4
1,3,5-Trimethylbenzene	0.80	U	0.80	0.19	ppb v/v			01/13/25 17:35	4
1,3-Butadiene	0.80	U	0.80	0.16	ppb v/v			01/13/25 17:35	4
1,3-Dichlorobenzene	0.80	U	0.80	0.30	ppb v/v			01/13/25 17:35	4
1,4-Dichlorobenzene	0.80	U	0.80	0.36	ppb v/v			01/13/25 17:35	4
1,4-Dioxane	20	U	20	0.33	ppb v/v			01/13/25 17:35	4
2,2,4-Trimethylpentane	0.80	U	0.80	0.15	ppb v/v			01/13/25 17:35	4

Client Sample ID: DUP-010825
Lab Sample ID: 480-226734-4

Date Collected: 01/08/25 00:00
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.80	U	0.80	0.18	ppb v/v			01/13/25 17:35	4
3-Chloropropene	2.0	U	2.0	0.48	ppb v/v			01/13/25 17:35	4
4-Ethyltoluene	0.80	U	0.80	0.20	ppb v/v			01/13/25 17:35	4
4-Isopropyltoluene	0.80	U	0.80	0.24	ppb v/v			01/13/25 17:35	4
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.52	ppb v/v			01/13/25 17:35	4
Acetone	20	U	20	6.4	ppb v/v			01/13/25 17:35	4
Benzene	0.80	U	0.80	0.18	ppb v/v			01/13/25 17:35	4
Benzyl chloride	0.80	U	0.80	0.35	ppb v/v			01/13/25 17:35	4
Bromodichloromethane	0.80	U	0.80	0.20	ppb v/v			01/13/25 17:35	4
Bromoethene(Vinyl Bromide)	0.80	U	0.80	0.20	ppb v/v			01/13/25 17:35	4
Bromoform	0.80	U	0.80	0.48	ppb v/v			01/13/25 17:35	4
Bromomethane	0.80	U	0.80	0.28	ppb v/v			01/13/25 17:35	4
Carbon disulfide	2.0	U	2.0	0.52	ppb v/v			01/13/25 17:35	4
Carbon tetrachloride	0.14	U	0.14	0.088	ppb v/v			01/13/25 17:35	4
Chlorobenzene	0.80	U	0.80	0.18	ppb v/v			01/13/25 17:35	4
Chlorodifluoromethane	2.0	U	2.0	0.48	ppb v/v			01/13/25 17:35	4
Chloroethane	2.0	U	2.0	0.72	ppb v/v			01/13/25 17:35	4
Chloroform	0.80	U	0.80	0.16	ppb v/v			01/13/25 17:35	4
Chloromethane	**0.70**	**J**	2.0	0.60	ppb v/v			01/13/25 17:35	4
cis-1,2-Dichloroethene	0.20	U	0.20	0.084	ppb v/v			01/13/25 17:35	4
cis-1,3-Dichloropropene	0.80	U	0.80	0.18	ppb v/v			01/13/25 17:35	4
Cumene	0.80	U	0.80	0.16	ppb v/v			01/13/25 17:35	4
Cyclohexane	0.80	U	0.80	0.23	ppb v/v			01/13/25 17:35	4
Dibromochloromethane	0.80	U	0.80	0.25	ppb v/v			01/13/25 17:35	4
Dichlorodifluoromethane	**0.52**	**J**	2.0	0.44	ppb v/v			01/13/25 17:35	4
Ethylbenzene	0.80	U	0.80	0.28	ppb v/v			01/13/25 17:35	4
Hexachlorobutadiene	0.80	U	0.80	0.44	ppb v/v			01/13/25 17:35	4
Isopropyl alcohol	**74**		20	6.4	ppb v/v			01/13/25 17:35	4
m,p-Xylene	2.0	U	2.0	0.38	ppb v/v			01/13/25 17:35	4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.60	ppb v/v			01/13/25 17:35	4
Methyl Ethyl Ketone (2-Butanone)	2.0	U	2.0	2.0	ppb v/v			01/13/25 17:35	4
Methyl methacrylate	2.0	U	2.0	0.56	ppb v/v			01/13/25 17:35	4
Methyl tert-butyl ether	0.80	U	0.80	0.14	ppb v/v			01/13/25 17:35	4
Methylene Chloride	2.0	U	2.0	0.72	ppb v/v			01/13/25 17:35	4
Naphthalene	2.0	U	2.0	1.2	ppb v/v			01/13/25 17:35	4
n-Butane	**3.0**		2.0	0.80	ppb v/v			01/13/25 17:35	4
n-Butylbenzene	0.80	U	0.80	0.44	ppb v/v			01/13/25 17:35	4
n-Heptane	0.80	U	0.80	0.22	ppb v/v			01/13/25 17:35	4
n-Hexane	2.0	U	2.0	0.44	ppb v/v			01/13/25 17:35	4
n-Propylbenzene	0.80	U	0.80	0.19	ppb v/v			01/13/25 17:35	4
o-Xylene	0.80	U	0.80	0.25	ppb v/v			01/13/25 17:35	4
sec-Butylbenzene	0.80	U	0.80	0.18	ppb v/v			01/13/25 17:35	4
Styrene	0.80	U	0.80	0.24	ppb v/v			01/13/25 17:35	4
tert-Butyl alcohol	20	U	20	4.8	ppb v/v			01/13/25 17:35	4
tert-Butylbenzene	0.80	U	0.80	0.19	ppb v/v			01/13/25 17:35	4
Tetrachloroethene	0.80	U	0.80	0.084	ppb v/v			01/13/25 17:35	4
Tetrahydrofuran	20	U	20	5.2	ppb v/v			01/13/25 17:35	4
Toluene	0.80	U	0.80	0.25	ppb v/v			01/13/25 17:35	4

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: DUP-010825
Lab Sample ID: 480-226734-4
Date Collected: 01/08/25 00:00
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.80	U	0.80	0.092	ppb v/v			01/13/25 17:35	4
trans-1,3-Dichloropropene	0.80	U	0.80	0.22	ppb v/v			01/13/25 17:35	4
Trichloroethene	0.15	U	0.15	0.10	ppb v/v			01/13/25 17:35	4
Trichlorofluoromethane	**0.23**	**J**	0.80	0.20	ppb v/v			01/13/25 17:35	4
Vinyl chloride	0.31	U	0.31	0.084	ppb v/v			01/13/25 17:35	4

Client Sample ID: OA-010825
Lab Sample ID: 480-226734-5

Date Collected: 01/08/25 16:30
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			01/10/25 22:25	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/10/25 22:25	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/10/25 22:25	1
1,1,2-Trichlorotrifluoroethane	**0.52**	**J**	1.5	0.41	ug/m3			01/10/25 22:25	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/10/25 22:25	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/10/25 22:25	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/10/25 22:25	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			01/10/25 22:25	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/10/25 22:25	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/10/25 22:25	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/10/25 22:25	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/10/25 22:25	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/10/25 22:25	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 22:25	1
1,3-Butadiene	**0.11**	**J**	0.44	0.086	ug/m3			01/10/25 22:25	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/10/25 22:25	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/10/25 22:25	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/10/25 22:25	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			01/10/25 22:25	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/10/25 22:25	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/10/25 22:25	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/10/25 22:25	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/10/25 22:25	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/10/25 22:25	1
Acetone	12	U	12	3.8	ug/m3			01/10/25 22:25	1
Benzene	**0.32**	**J**	0.64	0.14	ug/m3			01/10/25 22:25	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/10/25 22:25	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/10/25 22:25	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/10/25 22:25	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/10/25 22:25	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/10/25 22:25	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/10/25 22:25	1
Carbon tetrachloride	**0.26**		0.22	0.14	ug/m3			01/10/25 22:25	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/10/25 22:25	1
Chlorodifluoromethane	**0.97**	**J**	1.8	0.42	ug/m3			01/10/25 22:25	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/10/25 22:25	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/10/25 22:25	1
Chloromethane	**2.0**		1.0	0.31	ug/m3			01/10/25 22:25	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/10/25 22:25	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/10/25 22:25	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/10/25 22:25	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/10/25 22:25	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/10/25 22:25	1
Dichlorodifluoromethane	**2.4**	**J**	2.5	0.54	ug/m3			01/10/25 22:25	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			01/10/25 22:25	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/10/25 22:25	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			01/10/25 22:25	1
m,p-Xylene	**0.44**	**J**	2.2	0.41	ug/m3			01/10/25 22:25	1

Client Sample ID: OA-010825
Lab Sample ID: 480-226734-5

Date Collected: 01/08/25 16:30
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/10/25 22:25	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/10/25 22:25	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/10/25 22:25	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/10/25 22:25	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/10/25 22:25	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/10/25 22:25	1
n-Butane	**1.5**		1.2	0.48	ug/m3			01/10/25 22:25	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/10/25 22:25	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			01/10/25 22:25	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			01/10/25 22:25	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 22:25	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			01/10/25 22:25	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/10/25 22:25	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/10/25 22:25	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/10/25 22:25	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/10/25 22:25	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			01/10/25 22:25	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/10/25 22:25	1
Toluene	**1.3**		0.75	0.23	ug/m3			01/10/25 22:25	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/10/25 22:25	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/10/25 22:25	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			01/10/25 22:25	1
Trichlorofluoromethane	**1.3**		1.1	0.28	ug/m3			01/10/25 22:25	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/10/25 22:25	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			01/10/25 22:25	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/10/25 22:25	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/10/25 22:25	1
1,1,2-Trichlorotrifluoroethane	**0.068**	**J**	0.20	0.053	ppb v/v			01/10/25 22:25	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/10/25 22:25	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/10/25 22:25	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/10/25 22:25	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			01/10/25 22:25	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/10/25 22:25	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/10/25 22:25	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/10/25 22:25	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/10/25 22:25	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/10/25 22:25	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 22:25	1
1,3-Butadiene	**0.050**	**J**	0.20	0.039	ppb v/v			01/10/25 22:25	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/10/25 22:25	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/10/25 22:25	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/10/25 22:25	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			01/10/25 22:25	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/10/25 22:25	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/10/25 22:25	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/10/25 22:25	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/10/25 22:25	1

Client Sample ID: OA-010825
Lab Sample ID: 480-226734-5

Date Collected: 01/08/25 16:30
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/10/25 22:25	1
Acetone	5.0	U	5.0	1.6	ppb v/v			01/10/25 22:25	1
Benzene	**0.099**	**J**	0.20	0.044	ppb v/v			01/10/25 22:25	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/10/25 22:25	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/10/25 22:25	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/10/25 22:25	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/10/25 22:25	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/10/25 22:25	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/10/25 22:25	1
Carbon tetrachloride	**0.041**		0.035	0.022	ppb v/v			01/10/25 22:25	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/10/25 22:25	1
Chlorodifluoromethane	**0.27**	**J**	0.50	0.12	ppb v/v			01/10/25 22:25	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/10/25 22:25	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/10/25 22:25	1
Chloromethane	**0.96**		0.50	0.15	ppb v/v			01/10/25 22:25	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/10/25 22:25	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/10/25 22:25	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/10/25 22:25	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/10/25 22:25	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/10/25 22:25	1
Dichlorodifluoromethane	**0.49**	**J**	0.50	0.11	ppb v/v			01/10/25 22:25	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			01/10/25 22:25	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/10/25 22:25	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			01/10/25 22:25	1
m,p-Xylene	**0.10**	**J**	0.50	0.095	ppb v/v			01/10/25 22:25	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/10/25 22:25	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/10/25 22:25	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/10/25 22:25	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/10/25 22:25	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/10/25 22:25	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/10/25 22:25	1
n-Butane	**0.64**		0.50	0.20	ppb v/v			01/10/25 22:25	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/10/25 22:25	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			01/10/25 22:25	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			01/10/25 22:25	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 22:25	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			01/10/25 22:25	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/10/25 22:25	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/10/25 22:25	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/10/25 22:25	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 22:25	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			01/10/25 22:25	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/10/25 22:25	1
Toluene	**0.35**		0.20	0.062	ppb v/v			01/10/25 22:25	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/10/25 22:25	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/10/25 22:25	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			01/10/25 22:25	1
Trichlorofluoromethane	**0.23**		0.20	0.050	ppb v/v			01/10/25 22:25	1

Client Sample ID: OA-010825
Lab Sample ID: 480-226734-5

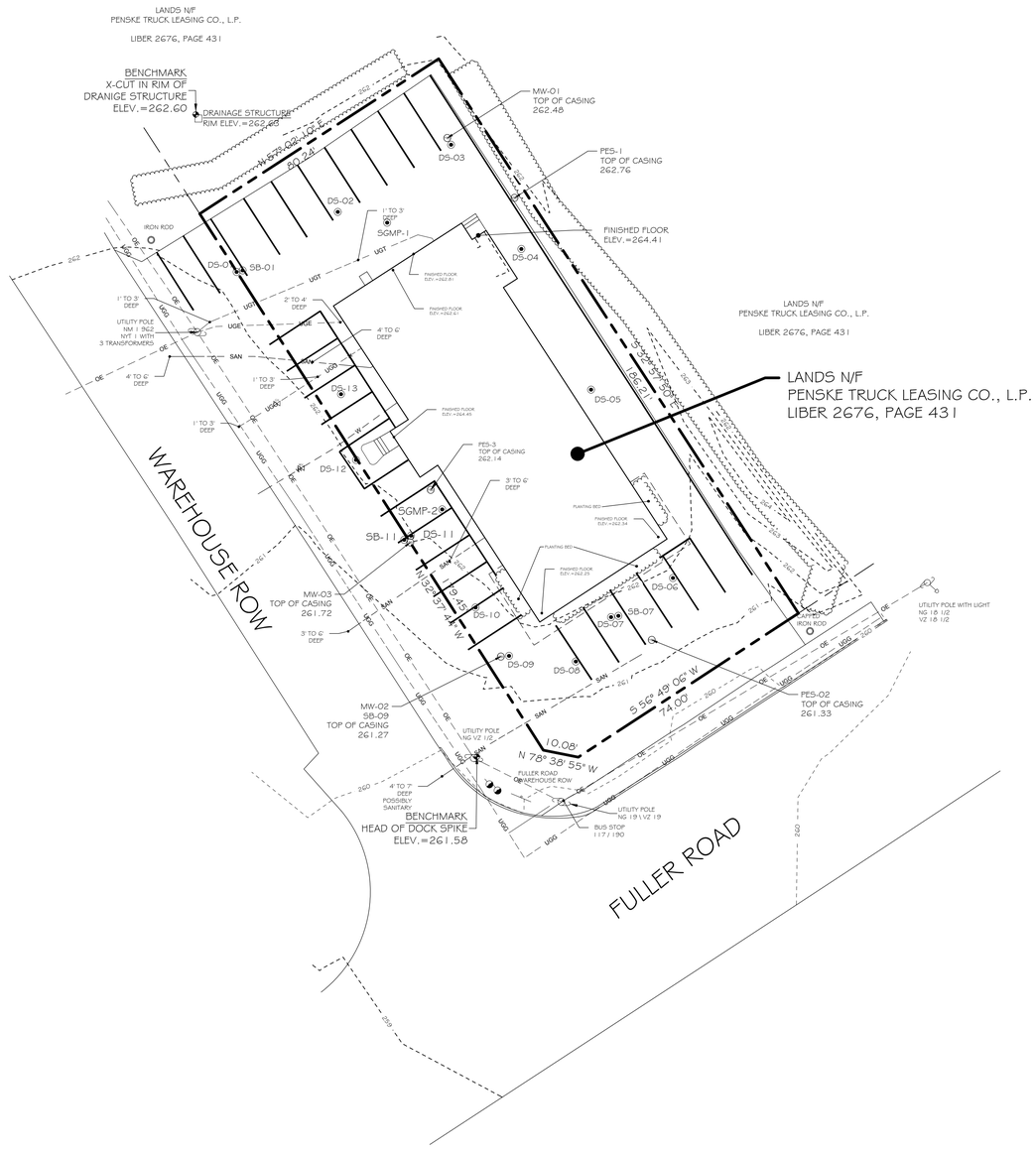
Date Collected: 01/08/25 16:30
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/10/25 22:25	1

Appendix G

Survey Map



NOTES:

1. MAPPING PREPARED BY RYAN BIGGS | CLARK DAVIS ENGINEERING & SURVEYING, D.P.C., FROM A FIELD SURVEY COMPLETED MAY, 2024.
2. NORTH REFERENCE USED HEREON IS NAD 83 NEW YORK EAST ZONE PLANE COORDINATE SYSTEM.
3. VERTICAL REFERENCE USED HEREON IS NAVD 88.
4. UNDERGROUND UTILITIES AS SHOWN HEREON ARE FROM FIELD LOCATION AND RECORD PLANS, AND UNDERGROUND UTILITY MARK OUT, THEIR LOCATION IS APPROXIMATE, OTHERS MAY EXIST, AND ALL ARE SUBJECT TO VERIFICATION BY OTHERS.
5. PARCEL SURVEYED MAY BE ALONG WITH RIGHTS, TITLE AND/OR INTERESTS IN AND TO LANDS WITHIN THE BED OF THE ADJACENT ROADS LYING BETWEEN THE HIGHWAY BOUNDARIES SHOWN HEREON AND THE CENTERLINES THEREOF.
6. PARCEL SURVEYED IS FURTHER REFERENCED TO THE TOWN OF COLONIE, TAX MAP PARCEL NUMBER 42.17-1-7.
7. PARCEL SURVEYED WITHOUT BENEFIT OF, AND IS SUBJECT TO A COMPLETE AND UP-TO-DATE ABSTRACT OF TITLE.

LEGEND:

SURVEY SYMBOLS:
- CONTROL BASELINE POINT
- BENCHMARK
- PROPERTY MARKER
- DRILL HOLE

LANDSCAPE SYMBOLS:
- SINGLE POST SIGN
- CONIFEROUS TREE
- DECIDUOUS TREE

UTILITY SYMBOLS:
- CATCH BASIN
- UTILITY POLE
- UTILITY POLE WITH LIGHT
- GUY WIRE
- GAS VALVE
- MONITORING WELL
- WATER VALVE

SURVEY LINES:
- MINOR PROPERTY LINE
- MAJOR PROPERTY LINE
- PROPOSED PROPERTY LINE
- PROPERTY SETBACK LINE
- PROPERTY SUBDIVISION LINE
- POLITICAL BOUNDARY
- MAJOR CONTOUR LINE
- MINOR CONTOUR LINE

LANDSCAPE LINES:
- BUILDING
- BUILDING OVERHANG
- FENCE
- WOODS LINE

UTILITY LINES:
- UNDERGROUND CABLE T.V. LINE (UGC)
- UNDERGROUND COMMUNICATIONS LINE (UGT)
- OVERHEAD ELECTRIC LINE (OE)
- UNDERGROUND ELECTRIC LINE (UGE)
- UNDERGROUND GAS LINE (UGG)
- UNDERGROUND SANITARY SEWER LINE (SAN)
- UNDERGROUND WATER LINE (W)

GRAPHIC SCALE

20' 0 10' 20' 40' 80'

NORTH

RYAN BIGGS CLARK DAVIS
ENGINEERING & SURVEYING
257 Usher Road
Clifton Park, NY 12065
p. 518.406.6506
f. 877.310.6693
www.ryanbiggs.com

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TOPOGRAPHIC SURVEY
SILVESTRI DRY CLEANERS
69 FULLER ROAD
ALBANY COUNTY, NEW YORK

REVISIONS

NO.	ITEM	DATE
1	EDITED PEF-02 TO PES-02	2024-10-02

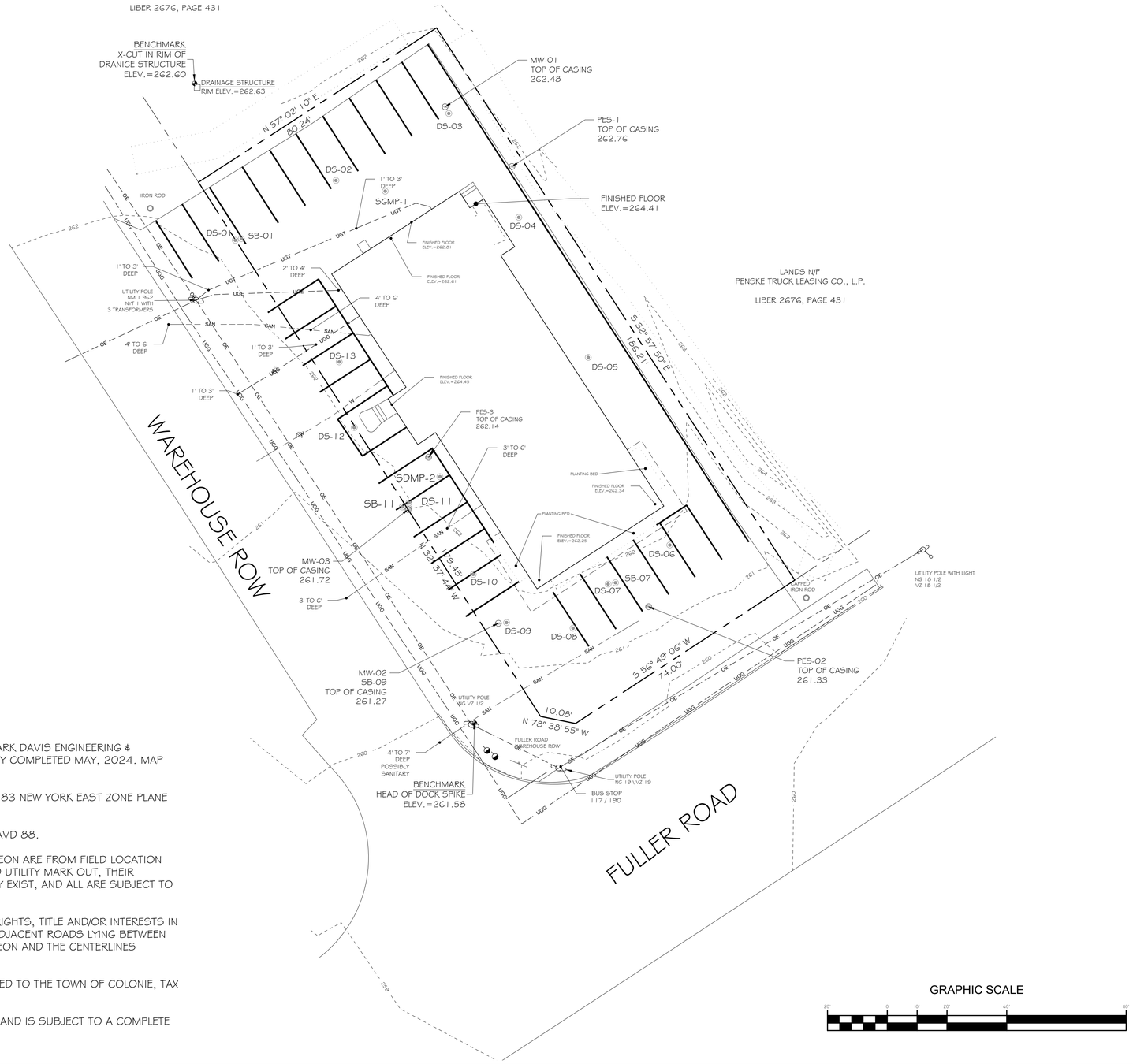
CHK. BY: ERQ | DWG. BY: ERQ | DATE: August 13, 2024

SHEET TITLE:
EXISTING CONDITIONS SURVEY

SHEET NO.
V101

PLOTTED ON Oct 02, 2024 AT 10:36 AM BY EQuackenbush
FILE LOCATION: F:\SHARE\14149\14940\Dwg\Survey\14940 69 FULLER RD.dwg

14940



NOTES:

1. MAPPING PREPARED BY RYAN BIGGS | CLARK DAVIS ENGINEERING & SURVEYING, D.P.C., FROM A FIELD SURVEY COMPLETED MAY, 2024. MAP EDITED BY RAMBOLL JUNE 30, 2025.
2. NORTH REFERENCE USED HEREON IS NAD 83 NEW YORK EAST ZONE PLANE COORDINATE SYSTEM.
3. VERTICAL REFERENCE USED HEREON IS NAVD 88.
4. UNDERGROUND UTILITIES AS SHOWN HEREON ARE FROM FIELD LOCATION AND RECORD PLANS, AND UNDERGROUND UTILITY MARK OUT, THEIR LOCATION IS APPROXIMATE, OTHERS MAY EXIST, AND ALL ARE SUBJECT TO VERIFICATION BY OTHERS.
5. PARCEL SURVEYED MAY BE ALONG WITH RIGHTS, TITLE AND/OR INTERESTS IN AND TO LANDS WITHIN THE BED OF THE ADJACENT ROADS LYING BETWEEN THE HIGHWAY BOUNDARIES SHOWN HEREON AND THE CENTERLINES THEREOF.
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LEGEND:

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- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND GAS LINE
- UNDERGROUND SANITARY SEWER LINE
- UNDERGROUND WATER LINE

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DESIGNER: COOPERSA
DATED: 6/30/2025
PROJECT: 1940104021

EXISTING CONDITIONS SURVEY

SILVESTRI DRY CLEANERS
69 FULLER ROAD
ALBANY COUNTY, NEW YORK

FIGURE 1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

Appendix H
Laboratory Analytical Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Alexandra Golden
Ramboll Americas Engineering Solutions
94 New Karner Road
Suite 106
Albany, New York 12203

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JOB DESCRIPTION

NYSDEC - Silvestri Dry Cleaners Site

JOB NUMBER

480-219161-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

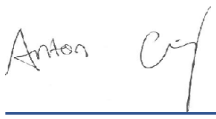
Eurofins Buffalo

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.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
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Definitions/Glossary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
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.
U	Indicates the analyte was analyzed for but not detected.

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

Job ID: 480-219161-1 Eurofins Buffalo

Job Narrative
480-219161-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- 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 may be 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.

Receipt
The samples were received on 4/23/2024 10:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Air - 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: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: SGMP-1-041824
Lab Sample ID: 480-219161-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.42	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.46	J	0.98	0.39	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.36	J	0.44	0.086	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.21	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
Acetone	8.2	J	12	3.8	ug/m3	1		TO-15	Total/NA
Benzene	0.60	J	0.64	0.14	ug/m3	1		TO-15	Total/NA
Carbon disulfide	1.6		1.6	0.40	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.30		0.22	0.14	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.70	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.52	J	1.0	0.31	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.48	J	0.69	0.20	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.2	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.33	J	0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.0	J	2.2	0.41	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	1.5		1.5	1.4	ug/m3	1		TO-15	Total/NA
n-Butane	5.5		1.2	0.48	ug/m3	1		TO-15	Total/NA
n-Heptane	0.79	J	0.82	0.23	ug/m3	1		TO-15	Total/NA
n-Hexane	1.1	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
o-Xylene	0.38	J	0.87	0.27	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	770	E	1.4	0.14	ug/m3	1		TO-15	Total/NA
Toluene	2.1		0.75	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	2.1		0.20	0.13	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		1.1	0.28	ug/m3	1		TO-15	Total/NA
n-Butane - DL	6.3		5.9	2.4	ug/m3	5		TO-15	Total/NA
Tetrachloroethene - DL	900		6.8	0.71	ug/m3	5		TO-15	Total/NA
Toluene - DL	2.0	J	3.8	1.2	ug/m3	5		TO-15	Total/NA
Trichloroethene - DL	2.2		1.0	0.67	ug/m3	5		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.055	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.093	J	0.20	0.080	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.16	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.045	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Acetone	3.4	J	5.0	1.6	ppb v/v	1		TO-15	Total/NA
Benzene	0.19	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.52		0.50	0.13	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.048		0.035	0.022	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.20	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.25	J	0.50	0.15	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.14	J	0.20	0.058	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane	0.45	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.076	J	0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.24	J	0.50	0.095	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	0.52		0.50	0.49	ppb v/v	1		TO-15	Total/NA
n-Butane	2.3		0.50	0.20	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.19	J	0.20	0.055	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.32	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.087	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	110	E	0.20	0.021	ppb v/v	1		TO-15	Total/NA
Toluene	0.55		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.38		0.037	0.025	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.20		0.20	0.050	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: SGMP-1-041824 (Continued) — Lab Sample ID: 480-219161-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane - DL	2.7		2.5	1.0	ppb v/v	5		TO-15	Total/NA
Tetrachloroethene - DL	130		1.0	0.11	ppb v/v	5		TO-15	Total/NA
Toluene - DL	0.53	J	1.0	0.31	ppb v/v	5		TO-15	Total/NA
Trichloroethene - DL	0.41		0.19	0.13	ppb v/v	5		TO-15	Total/NA

Client Sample ID: SGMP-2-041824 — Lab Sample ID: 480-219161-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.1		2.0	0.83	ug/m3	10.02		TO-15	Total/NA
Tetrachloroethene	5300	E	14	1.4	ug/m3	10.02		TO-15	Total/NA
Trichloroethene	47		2.0	1.3	ug/m3	10.02		TO-15	Total/NA
Tetrachloroethene - DL	5200		68	7.1	ug/m3	50.1		TO-15	Total/NA
Trichloroethene - DL	45		10	6.7	ug/m3	50.1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.0		0.51	0.21	ppb v/v	10.02		TO-15	Total/NA
Tetrachloroethene	780	E	2.0	0.21	ppb v/v	10.02		TO-15	Total/NA
Trichloroethene	8.8		0.37	0.25	ppb v/v	10.02		TO-15	Total/NA
Tetrachloroethene - DL	760		10	1.1	ppb v/v	50.1		TO-15	Total/NA
Trichloroethene - DL	8.3		1.9	1.3	ppb v/v	50.1		TO-15	Total/NA

Client Sample ID: X-1-041824 — Lab Sample ID: 480-219161-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.5		2.0	0.83	ug/m3	9.96		TO-15	Total/NA
Tetrachloroethene	5900	E	14	1.4	ug/m3	9.96		TO-15	Total/NA
Trichloroethene	53		2.0	1.3	ug/m3	9.96		TO-15	Total/NA
Tetrachloroethene - DL	6300		82	8.6	ug/m3	60.4		TO-15	Total/NA
Trichloroethene - DL	53		12	8.1	ug/m3	60.4		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.1		0.50	0.21	ppb v/v	9.96		TO-15	Total/NA
Tetrachloroethene	870	E	2.0	0.21	ppb v/v	9.96		TO-15	Total/NA
Trichloroethene	9.9		0.37	0.25	ppb v/v	9.96		TO-15	Total/NA
Tetrachloroethene - DL	930		12	1.3	ppb v/v	60.4		TO-15	Total/NA
Trichloroethene - DL	9.8		2.2	1.5	ppb v/v	60.4		TO-15	Total/NA

Client Sample ID: AA-041824 — Lab Sample ID: 480-219161-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.1	J	12	3.8	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.26		0.22	0.14	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.83	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.0		1.0	0.31	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	1.9	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
n-Butane	0.97	J	1.2	0.48	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.18	J	1.4	0.14	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.0	J	1.1	0.28	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.7	J	5.0	1.6	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.041		0.035	0.022	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.23	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.50		0.50	0.15	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane	0.39	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AA-041824 (Continued)
Lab Sample ID: 480-219161-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	0.41	J	0.50	0.20	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.026	J	0.20	0.021	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.18	J	0.20	0.050	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: SGMP-1-041824
Lab Sample ID: 480-219161-1
Date Collected: 04/18/24 14:06
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			04/30/24 00:07	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			04/30/24 00:07	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			04/30/24 00:07	1
1,1,2-Trichlorotrifluoroethane	**0.42**	**J**	1.5	0.41	ug/m3			04/30/24 00:07	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			04/30/24 00:07	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			04/30/24 00:07	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			04/30/24 00:07	1
1,2,4-Trimethylbenzene	**0.46**	**J**	0.98	0.39	ug/m3			04/30/24 00:07	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			04/30/24 00:07	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			04/30/24 00:07	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			04/30/24 00:07	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			04/30/24 00:07	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			04/30/24 00:07	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			04/30/24 00:07	1
1,3-Butadiene	**0.36**	**J**	0.44	0.086	ug/m3			04/30/24 00:07	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			04/30/24 00:07	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			04/30/24 00:07	1
1,4-Dioxane	18	U	18	0.30	ug/m3			04/30/24 00:07	1
2,2,4-Trimethylpentane	**0.21**	**J**	0.93	0.18	ug/m3			04/30/24 00:07	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			04/30/24 00:07	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			04/30/24 00:07	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			04/30/24 00:07	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			04/30/24 00:07	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			04/30/24 00:07	1
Acetone	**8.2**	**J**	12	3.8	ug/m3			04/30/24 00:07	1
Benzene	**0.60**	**J**	0.64	0.14	ug/m3			04/30/24 00:07	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			04/30/24 00:07	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			04/30/24 00:07	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			04/30/24 00:07	1
Bromoform	2.1	U	2.1	1.2	ug/m3			04/30/24 00:07	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			04/30/24 00:07	1
Carbon disulfide	**1.6**		1.6	0.40	ug/m3			04/30/24 00:07	1
Carbon tetrachloride	**0.30**		0.22	0.14	ug/m3			04/30/24 00:07	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			04/30/24 00:07	1
Chlorodifluoromethane	**0.70**	**J**	1.8	0.42	ug/m3			04/30/24 00:07	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			04/30/24 00:07	1
Chloroform	0.98	U	0.98	0.20	ug/m3			04/30/24 00:07	1
Chloromethane	**0.52**	**J**	1.0	0.31	ug/m3			04/30/24 00:07	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			04/30/24 00:07	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			04/30/24 00:07	1
Cumene	0.98	U	0.98	0.20	ug/m3			04/30/24 00:07	1
Cyclohexane	**0.48**	**J**	0.69	0.20	ug/m3			04/30/24 00:07	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			04/30/24 00:07	1
Dichlorodifluoromethane	**2.2**	**J**	2.5	0.54	ug/m3			04/30/24 00:07	1
Ethylbenzene	**0.33**	**J**	0.87	0.30	ug/m3			04/30/24 00:07	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			04/30/24 00:07	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			04/30/24 00:07	1
m,p-Xylene	**1.0**	**J**	2.2	0.41	ug/m3			04/30/24 00:07	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: SGMP-1-041824
Lab Sample ID: 480-219161-1
Date Collected: 04/18/24 14:06
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			04/30/24 00:07	1
Methyl Ethyl Ketone (2-Butanone)	**1.5**		1.5	1.4	ug/m3			04/30/24 00:07	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			04/30/24 00:07	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			04/30/24 00:07	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			04/30/24 00:07	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			04/30/24 00:07	1
n-Butane	**5.5**		1.2	0.48	ug/m3			04/30/24 00:07	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			04/30/24 00:07	1
n-Heptane	**0.79**	**J**	0.82	0.23	ug/m3			04/30/24 00:07	1
n-Hexane	**1.1**	**J**	1.8	0.39	ug/m3			04/30/24 00:07	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			04/30/24 00:07	1
o-Xylene	**0.38**	**J**	0.87	0.27	ug/m3			04/30/24 00:07	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			04/30/24 00:07	1
Styrene	0.85	U	0.85	0.25	ug/m3			04/30/24 00:07	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			04/30/24 00:07	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			04/30/24 00:07	1
Tetrachloroethene	**770**	**E**	1.4	0.14	ug/m3			04/30/24 00:07	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			04/30/24 00:07	1
Toluene	**2.1**		0.75	0.23	ug/m3			04/30/24 00:07	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			04/30/24 00:07	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			04/30/24 00:07	1
Trichloroethene	**2.1**		0.20	0.13	ug/m3			04/30/24 00:07	1
Trichlorofluoromethane	**1.1**		1.1	0.28	ug/m3			04/30/24 00:07	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			04/30/24 00:07	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			04/30/24 00:07	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			04/30/24 00:07	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			04/30/24 00:07	1
1,1,2-Trichlorotrifluoroethane	**0.055**	**J**	0.20	0.053	ppb v/v			04/30/24 00:07	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			04/30/24 00:07	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			04/30/24 00:07	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			04/30/24 00:07	1
1,2,4-Trimethylbenzene	**0.093**	**J**	0.20	0.080	ppb v/v			04/30/24 00:07	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			04/30/24 00:07	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			04/30/24 00:07	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			04/30/24 00:07	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			04/30/24 00:07	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			04/30/24 00:07	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			04/30/24 00:07	1
1,3-Butadiene	**0.16**	**J**	0.20	0.039	ppb v/v			04/30/24 00:07	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			04/30/24 00:07	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			04/30/24 00:07	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			04/30/24 00:07	1
2,2,4-Trimethylpentane	**0.045**	**J**	0.20	0.038	ppb v/v			04/30/24 00:07	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			04/30/24 00:07	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			04/30/24 00:07	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			04/30/24 00:07	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			04/30/24 00:07	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: SGMP-1-041824
Lab Sample ID: 480-219161-1
Date Collected: 04/18/24 14:06
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			04/30/24 00:07	1
Acetone	**3.4**	**J**	5.0	1.6	ppb v/v			04/30/24 00:07	1
Benzene	**0.19**	**J**	0.20	0.044	ppb v/v			04/30/24 00:07	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			04/30/24 00:07	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			04/30/24 00:07	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			04/30/24 00:07	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			04/30/24 00:07	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			04/30/24 00:07	1
Carbon disulfide	**0.52**		0.50	0.13	ppb v/v			04/30/24 00:07	1
Carbon tetrachloride	**0.048**		0.035	0.022	ppb v/v			04/30/24 00:07	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			04/30/24 00:07	1
Chlorodifluoromethane	**0.20**	**J**	0.50	0.12	ppb v/v			04/30/24 00:07	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			04/30/24 00:07	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			04/30/24 00:07	1
Chloromethane	**0.25**	**J**	0.50	0.15	ppb v/v			04/30/24 00:07	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			04/30/24 00:07	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			04/30/24 00:07	1
Cumene	0.20	U	0.20	0.041	ppb v/v			04/30/24 00:07	1
Cyclohexane	**0.14**	**J**	0.20	0.058	ppb v/v			04/30/24 00:07	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			04/30/24 00:07	1
Dichlorodifluoromethane	**0.45**	**J**	0.50	0.11	ppb v/v			04/30/24 00:07	1
Ethylbenzene	**0.076**	**J**	0.20	0.069	ppb v/v			04/30/24 00:07	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			04/30/24 00:07	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			04/30/24 00:07	1
m,p-Xylene	**0.24**	**J**	0.50	0.095	ppb v/v			04/30/24 00:07	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			04/30/24 00:07	1
Methyl Ethyl Ketone (2-Butanone)	**0.52**		0.50	0.49	ppb v/v			04/30/24 00:07	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			04/30/24 00:07	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			04/30/24 00:07	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			04/30/24 00:07	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			04/30/24 00:07	1
n-Butane	**2.3**		0.50	0.20	ppb v/v			04/30/24 00:07	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			04/30/24 00:07	1
n-Heptane	**0.19**	**J**	0.20	0.055	ppb v/v			04/30/24 00:07	1
n-Hexane	**0.32**	**J**	0.50	0.11	ppb v/v			04/30/24 00:07	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			04/30/24 00:07	1
o-Xylene	**0.087**	**J**	0.20	0.063	ppb v/v			04/30/24 00:07	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			04/30/24 00:07	1
Styrene	0.20	U	0.20	0.059	ppb v/v			04/30/24 00:07	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			04/30/24 00:07	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			04/30/24 00:07	1
Tetrachloroethene	**110**	**E**	0.20	0.021	ppb v/v			04/30/24 00:07	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			04/30/24 00:07	1
Toluene	**0.55**		0.20	0.062	ppb v/v			04/30/24 00:07	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			04/30/24 00:07	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			04/30/24 00:07	1
Trichloroethene	**0.38**		0.037	0.025	ppb v/v			04/30/24 00:07	1
Trichlorofluoromethane	**0.20**		0.20	0.050	ppb v/v			04/30/24 00:07	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: SGMP-1-041824
Lab Sample ID: 480-219161-1
Date Collected: 04/18/24 14:06
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			04/30/24 00:07	1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.5	U	5.5	1.2	ug/m3			04/30/24 00:58	5
1,1,2,2-Tetrachloroethane	6.9	U	6.9	1.5	ug/m3			04/30/24 00:58	5
1,1,2-Trichloroethane	5.5	U	5.5	2.0	ug/m3			04/30/24 00:58	5
1,1,2-Trichlorotrifluoroethane	7.7	U	7.7	2.0	ug/m3			04/30/24 00:58	5
1,1-Dichloroethane	4.0	U	4.0	0.51	ug/m3			04/30/24 00:58	5
1,1-Dichloroethene	1.0	U	1.0	0.52	ug/m3			04/30/24 00:58	5
1,2,4-Trichlorobenzene	19	U	19	12	ug/m3			04/30/24 00:58	5
1,2,4-Trimethylbenzene	4.9	U	4.9	2.0	ug/m3			04/30/24 00:58	5
1,2-Dibromoethane	7.7	U	7.7	1.6	ug/m3			04/30/24 00:58	5
1,2-Dichlorobenzene	6.0	U	6.0	2.0	ug/m3			04/30/24 00:58	5
1,2-Dichloroethane	4.0	U	4.0	1.9	ug/m3			04/30/24 00:58	5
1,2-Dichloropropane	4.6	U	4.6	2.2	ug/m3			04/30/24 00:58	5
1,2-Dichlorotetrafluoroethane	7.0	U	7.0	1.7	ug/m3			04/30/24 00:58	5
1,3,5-Trimethylbenzene	4.9	U	4.9	1.2	ug/m3			04/30/24 00:58	5
1,3-Butadiene	2.2	U	2.2	0.43	ug/m3			04/30/24 00:58	5
1,3-Dichlorobenzene	6.0	U	6.0	2.2	ug/m3			04/30/24 00:58	5
1,4-Dichlorobenzene	6.0	U	6.0	2.7	ug/m3			04/30/24 00:58	5
1,4-Dioxane	90	U	90	1.5	ug/m3			04/30/24 00:58	5
2,2,4-Trimethylpentane	4.7	U	4.7	0.89	ug/m3			04/30/24 00:58	5
2-Chlorotoluene	5.2	U	5.2	1.2	ug/m3			04/30/24 00:58	5
3-Chloropropene	7.8	U	7.8	1.9	ug/m3			04/30/24 00:58	5
4-Ethyltoluene	4.9	U	4.9	1.2	ug/m3			04/30/24 00:58	5
4-Isopropyltoluene	5.5	U	5.5	1.7	ug/m3			04/30/24 00:58	5
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	U	10	2.7	ug/m3			04/30/24 00:58	5
Acetone	59	U	59	19	ug/m3			04/30/24 00:58	5
Benzene	3.2	U	3.2	0.70	ug/m3			04/30/24 00:58	5
Benzyl chloride	5.2	U	5.2	2.3	ug/m3			04/30/24 00:58	5
Bromodichloromethane	6.7	U	6.7	1.7	ug/m3			04/30/24 00:58	5
Bromoethene(Vinyl Bromide)	4.4	U	4.4	1.1	ug/m3			04/30/24 00:58	5
Bromoform	10	U	10	6.2	ug/m3			04/30/24 00:58	5
Bromomethane	3.9	U	3.9	1.4	ug/m3			04/30/24 00:58	5
Carbon disulfide	7.8	U	7.8	2.0	ug/m3			04/30/24 00:58	5
Carbon tetrachloride	1.1	U	1.1	0.69	ug/m3			04/30/24 00:58	5
Chlorobenzene	4.6	U	4.6	1.0	ug/m3			04/30/24 00:58	5
Chlorodifluoromethane	8.8	U	8.8	2.1	ug/m3			04/30/24 00:58	5
Chloroethane	6.6	U	6.6	2.4	ug/m3			04/30/24 00:58	5
Chloroform	4.9	U	4.9	1.0	ug/m3			04/30/24 00:58	5
Chloromethane	5.2	U	5.2	1.5	ug/m3			04/30/24 00:58	5
cis-1,2-Dichloroethene	1.0	U	1.0	0.42	ug/m3			04/30/24 00:58	5
cis-1,3-Dichloropropene	4.5	U	4.5	1.0	ug/m3			04/30/24 00:58	5
Cumene	4.9	U	4.9	1.0	ug/m3			04/30/24 00:58	5
Cyclohexane	3.4	U	3.4	1.0	ug/m3			04/30/24 00:58	5
Dibromochloromethane	8.5	U	8.5	2.7	ug/m3			04/30/24 00:58	5
Dichlorodifluoromethane	12	U	12	2.7	ug/m3			04/30/24 00:58	5

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: SGMP-1-041824
Lab Sample ID: 480-219161-1
Date Collected: 04/18/24 14:06
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	4.3	U	4.3	1.5	ug/m3			04/30/24 00:58	5
Hexachlorobutadiene	11	U	11	5.9	ug/m3			04/30/24 00:58	5
Isopropyl alcohol	61	U	61	20	ug/m3			04/30/24 00:58	5
m,p-Xylene	11	U	11	2.1	ug/m3			04/30/24 00:58	5
Methyl Butyl Ketone (2-Hexanone)	10	U	10	3.1	ug/m3			04/30/24 00:58	5
Methyl Ethyl Ketone (2-Butanone)	7.4	U	7.4	7.2	ug/m3			04/30/24 00:58	5
Methyl methacrylate	10	U	10	2.9	ug/m3			04/30/24 00:58	5
Methyl tert-butyl ether	3.6	U	3.6	0.65	ug/m3			04/30/24 00:58	5
Methylene Chloride	8.7	U	8.7	3.1	ug/m3			04/30/24 00:58	5
Naphthalene	13	U	13	7.9	ug/m3			04/30/24 00:58	5
n-Butane	**6.3**		5.9	2.4	ug/m3			04/30/24 00:58	5
n-Butylbenzene	5.5	U	5.5	3.0	ug/m3			04/30/24 00:58	5
n-Heptane	4.1	U	4.1	1.1	ug/m3			04/30/24 00:58	5
n-Hexane	8.8	U	8.8	1.9	ug/m3			04/30/24 00:58	5
n-Propylbenzene	4.9	U	4.9	1.2	ug/m3			04/30/24 00:58	5
o-Xylene	4.3	U	4.3	1.4	ug/m3			04/30/24 00:58	5
sec-Butylbenzene	5.5	U	5.5	1.2	ug/m3			04/30/24 00:58	5
Styrene	4.3	U	4.3	1.3	ug/m3			04/30/24 00:58	5
tert-Butyl alcohol	76	U	76	18	ug/m3			04/30/24 00:58	5
tert-Butylbenzene	5.5	U	5.5	1.3	ug/m3			04/30/24 00:58	5
Tetrachloroethene	**900**		6.8	0.71	ug/m3			04/30/24 00:58	5
Tetrahydrofuran	74	U	74	19	ug/m3			04/30/24 00:58	5
Toluene	**2.0**	**J**	3.8	1.2	ug/m3			04/30/24 00:58	5
trans-1,2-Dichloroethene	4.0	U	4.0	0.46	ug/m3			04/30/24 00:58	5
trans-1,3-Dichloropropene	4.5	U	4.5	1.2	ug/m3			04/30/24 00:58	5
Trichloroethene	**2.2**		1.0	0.67	ug/m3			04/30/24 00:58	5
Trichlorofluoromethane	5.6	U	5.6	1.4	ug/m3			04/30/24 00:58	5
Vinyl chloride	1.0	U	1.0	0.27	ug/m3			04/30/24 00:58	5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.22	ppb v/v			04/30/24 00:58	5
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22	ppb v/v			04/30/24 00:58	5
1,1,2-Trichloroethane	1.0	U	1.0	0.37	ppb v/v			04/30/24 00:58	5
1,1,2-Trichlorotrifluoroethane	1.0	U	1.0	0.27	ppb v/v			04/30/24 00:58	5
1,1-Dichloroethane	1.0	U	1.0	0.13	ppb v/v			04/30/24 00:58	5
1,1-Dichloroethene	0.25	U	0.25	0.13	ppb v/v			04/30/24 00:58	5
1,2,4-Trichlorobenzene	2.5	U	2.5	1.7	ppb v/v			04/30/24 00:58	5
1,2,4-Trimethylbenzene	1.0	U	1.0	0.40	ppb v/v			04/30/24 00:58	5
1,2-Dibromoethane	1.0	U	1.0	0.21	ppb v/v			04/30/24 00:58	5
1,2-Dichlorobenzene	1.0	U	1.0	0.33	ppb v/v			04/30/24 00:58	5
1,2-Dichloroethane	1.0	U	1.0	0.47	ppb v/v			04/30/24 00:58	5
1,2-Dichloropropane	1.0	U	1.0	0.47	ppb v/v			04/30/24 00:58	5
1,2-Dichlorotetrafluoroethane	1.0	U	1.0	0.24	ppb v/v			04/30/24 00:58	5
1,3,5-Trimethylbenzene	1.0	U	1.0	0.24	ppb v/v			04/30/24 00:58	5
1,3-Butadiene	1.0	U	1.0	0.20	ppb v/v			04/30/24 00:58	5
1,3-Dichlorobenzene	1.0	U	1.0	0.37	ppb v/v			04/30/24 00:58	5
1,4-Dichlorobenzene	1.0	U	1.0	0.45	ppb v/v			04/30/24 00:58	5
1,4-Dioxane	25	U	25	0.41	ppb v/v			04/30/24 00:58	5
2,2,4-Trimethylpentane	1.0	U	1.0	0.19	ppb v/v			04/30/24 00:58	5

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: SGMP-1-041824
Lab Sample ID: 480-219161-1
Date Collected: 04/18/24 14:06
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	1.0	U	1.0	0.23	ppb v/v			04/30/24 00:58	5
3-Chloropropene	2.5	U	2.5	0.60	ppb v/v			04/30/24 00:58	5
4-Ethyltoluene	1.0	U	1.0	0.25	ppb v/v			04/30/24 00:58	5
4-Isopropyltoluene	1.0	U	1.0	0.31	ppb v/v			04/30/24 00:58	5
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.5	U	2.5	0.65	ppb v/v			04/30/24 00:58	5
Acetone	25	U	25	8.0	ppb v/v			04/30/24 00:58	5
Benzene	1.0	U	1.0	0.22	ppb v/v			04/30/24 00:58	5
Benzyl chloride	1.0	U	1.0	0.44	ppb v/v			04/30/24 00:58	5
Bromodichloromethane	1.0	U	1.0	0.25	ppb v/v			04/30/24 00:58	5
Bromoethene(Vinyl Bromide)	1.0	U	1.0	0.25	ppb v/v			04/30/24 00:58	5
Bromoform	1.0	U	1.0	0.60	ppb v/v			04/30/24 00:58	5
Bromomethane	1.0	U	1.0	0.36	ppb v/v			04/30/24 00:58	5
Carbon disulfide	2.5	U	2.5	0.65	ppb v/v			04/30/24 00:58	5
Carbon tetrachloride	0.18	U	0.18	0.11	ppb v/v			04/30/24 00:58	5
Chlorobenzene	1.0	U	1.0	0.22	ppb v/v			04/30/24 00:58	5
Chlorodifluoromethane	2.5	U	2.5	0.60	ppb v/v			04/30/24 00:58	5
Chloroethane	2.5	U	2.5	0.90	ppb v/v			04/30/24 00:58	5
Chloroform	1.0	U	1.0	0.21	ppb v/v			04/30/24 00:58	5
Chloromethane	2.5	U	2.5	0.75	ppb v/v			04/30/24 00:58	5
cis-1,2-Dichloroethene	0.25	U	0.25	0.11	ppb v/v			04/30/24 00:58	5
cis-1,3-Dichloropropene	1.0	U	1.0	0.23	ppb v/v			04/30/24 00:58	5
Cumene	1.0	U	1.0	0.21	ppb v/v			04/30/24 00:58	5
Cyclohexane	1.0	U	1.0	0.29	ppb v/v			04/30/24 00:58	5
Dibromochloromethane	1.0	U	1.0	0.32	ppb v/v			04/30/24 00:58	5
Dichlorodifluoromethane	2.5	U	2.5	0.55	ppb v/v			04/30/24 00:58	5
Ethylbenzene	1.0	U	1.0	0.35	ppb v/v			04/30/24 00:58	5
Hexachlorobutadiene	1.0	U	1.0	0.55	ppb v/v			04/30/24 00:58	5
Isopropyl alcohol	25	U	25	8.0	ppb v/v			04/30/24 00:58	5
m,p-Xylene	2.5	U	2.5	0.48	ppb v/v			04/30/24 00:58	5
Methyl Butyl Ketone (2-Hexanone)	2.5	U	2.5	0.75	ppb v/v			04/30/24 00:58	5
Methyl Ethyl Ketone (2-Butanone)	2.5	U	2.5	2.5	ppb v/v			04/30/24 00:58	5
Methyl methacrylate	2.5	U	2.5	0.70	ppb v/v			04/30/24 00:58	5
Methyl tert-butyl ether	1.0	U	1.0	0.18	ppb v/v			04/30/24 00:58	5
Methylene Chloride	2.5	U	2.5	0.90	ppb v/v			04/30/24 00:58	5
Naphthalene	2.5	U	2.5	1.5	ppb v/v			04/30/24 00:58	5
n-Butane	**2.7**		2.5	1.0	ppb v/v			04/30/24 00:58	5
n-Butylbenzene	1.0	U	1.0	0.55	ppb v/v			04/30/24 00:58	5
n-Heptane	1.0	U	1.0	0.28	ppb v/v			04/30/24 00:58	5
n-Hexane	2.5	U	2.5	0.55	ppb v/v			04/30/24 00:58	5
n-Propylbenzene	1.0	U	1.0	0.24	ppb v/v			04/30/24 00:58	5
o-Xylene	1.0	U	1.0	0.32	ppb v/v			04/30/24 00:58	5
sec-Butylbenzene	1.0	U	1.0	0.23	ppb v/v			04/30/24 00:58	5
Styrene	1.0	U	1.0	0.30	ppb v/v			04/30/24 00:58	5
tert-Butyl alcohol	25	U	25	6.0	ppb v/v			04/30/24 00:58	5
tert-Butylbenzene	1.0	U	1.0	0.24	ppb v/v			04/30/24 00:58	5
Tetrachloroethene	**130**		1.0	0.11	ppb v/v			04/30/24 00:58	5
Tetrahydrofuran	25	U	25	6.5	ppb v/v			04/30/24 00:58	5
Toluene	**0.53**	**J**	1.0	0.31	ppb v/v			04/30/24 00:58	5

Client Sample ID: SGMP-1-041824
Lab Sample ID: 480-219161-1

Date Collected: 04/18/24 14:06
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	1.0	U	1.0	0.12	ppb v/v			04/30/24 00:58	5
trans-1,3-Dichloropropene	1.0	U	1.0	0.27	ppb v/v			04/30/24 00:58	5
Trichloroethene	**0.41**		0.19	0.13	ppb v/v			04/30/24 00:58	5
Trichlorofluoromethane	1.0	U	1.0	0.25	ppb v/v			04/30/24 00:58	5
Vinyl chloride	0.39	U	0.39	0.11	ppb v/v			04/30/24 00:58	5

Client Sample ID: SGMP-2-041824
Lab Sample ID: 480-219161-2

Date Collected: 04/18/24 18:00
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			04/30/24 01:49	10.02
1,1,2,2-Tetrachloroethane	14	U	14	3.0	ug/m3			04/30/24 01:49	10.02
1,1,2-Trichloroethane	11	U	11	4.0	ug/m3			04/30/24 01:49	10.02
1,1,2-Trichlorotrifluoroethane	15	U	15	4.1	ug/m3			04/30/24 01:49	10.02
1,1-Dichloroethane	8.1	U	8.1	1.0	ug/m3			04/30/24 01:49	10.02
1,1-Dichloroethene	2.0	U	2.0	1.0	ug/m3			04/30/24 01:49	10.02
1,2,4-Trichlorobenzene	37	U	37	25	ug/m3			04/30/24 01:49	10.02
1,2,4-Trimethylbenzene	9.9	U	9.9	3.9	ug/m3			04/30/24 01:49	10.02
1,2-Dibromoethane	15	U	15	3.2	ug/m3			04/30/24 01:49	10.02
1,2-Dichlorobenzene	12	U	12	4.0	ug/m3			04/30/24 01:49	10.02
1,2-Dichloroethane	8.1	U	8.1	3.8	ug/m3			04/30/24 01:49	10.02
1,2-Dichloropropane	9.3	U	9.3	4.4	ug/m3			04/30/24 01:49	10.02
1,2-Dichlorotetrafluoroethane	14	U	14	3.4	ug/m3			04/30/24 01:49	10.02
1,3,5-Trimethylbenzene	9.9	U	9.9	2.3	ug/m3			04/30/24 01:49	10.02
1,3-Butadiene	4.4	U	4.4	0.86	ug/m3			04/30/24 01:49	10.02
1,3-Dichlorobenzene	12	U	12	4.5	ug/m3			04/30/24 01:49	10.02
1,4-Dichlorobenzene	12	U	12	5.4	ug/m3			04/30/24 01:49	10.02
1,4-Dioxane	180	U	180	3.0	ug/m3			04/30/24 01:49	10.02
2,2,4-Trimethylpentane	9.4	U	9.4	1.8	ug/m3			04/30/24 01:49	10.02
2-Chlorotoluene	10	U	10	2.4	ug/m3			04/30/24 01:49	10.02
3-Chloropropene	16	U	16	3.8	ug/m3			04/30/24 01:49	10.02
4-Ethyltoluene	9.9	U	9.9	2.4	ug/m3			04/30/24 01:49	10.02
4-Isopropyltoluene	11	U	11	3.4	ug/m3			04/30/24 01:49	10.02
4-Methyl-2-pentanone (Methyl isobutyl ketone)	21	U	21	5.3	ug/m3			04/30/24 01:49	10.02
Acetone	120	U	120	38	ug/m3			04/30/24 01:49	10.02
Benzene	6.4	U	6.4	1.4	ug/m3			04/30/24 01:49	10.02
Benzyl chloride	10	U	10	4.6	ug/m3			04/30/24 01:49	10.02
Bromodichloromethane	13	U	13	3.4	ug/m3			04/30/24 01:49	10.02
Bromoethene(Vinyl Bromide)	8.8	U	8.8	2.2	ug/m3			04/30/24 01:49	10.02
Bromoform	21	U	21	12	ug/m3			04/30/24 01:49	10.02
Bromomethane	7.8	U	7.8	2.8	ug/m3			04/30/24 01:49	10.02
Carbon disulfide	16	U	16	4.1	ug/m3			04/30/24 01:49	10.02
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			04/30/24 01:49	10.02
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			04/30/24 01:49	10.02
Chlorodifluoromethane	18	U	18	4.3	ug/m3			04/30/24 01:49	10.02

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: SGMP-2-041824
Lab Sample ID: 480-219161-2
Date Collected: 04/18/24 18:00
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	13	U	13	4.8	ug/m3			04/30/24 01:49	10.02
Chloroform	9.8	U	9.8	2.0	ug/m3			04/30/24 01:49	10.02
Chloromethane	10	U	10	3.1	ug/m3			04/30/24 01:49	10.02
cis-1,2-Dichloroethene	**4.1**		2.0	0.83	ug/m3			04/30/24 01:49	10.02
cis-1,3-Dichloropropene	9.1	U	9.1	2.0	ug/m3			04/30/24 01:49	10.02
Cumene	9.9	U	9.9	2.0	ug/m3			04/30/24 01:49	10.02
Cyclohexane	6.9	U	6.9	2.0	ug/m3			04/30/24 01:49	10.02
Dibromochloromethane	17	U	17	5.4	ug/m3			04/30/24 01:49	10.02
Dichlorodifluoromethane	25	U	25	5.5	ug/m3			04/30/24 01:49	10.02
Ethylbenzene	8.7	U	8.7	3.0	ug/m3			04/30/24 01:49	10.02
Hexachlorobutadiene	21	U	21	12	ug/m3			04/30/24 01:49	10.02
Isopropyl alcohol	120	U	120	39	ug/m3			04/30/24 01:49	10.02
m,p-Xylene	22	U	22	4.1	ug/m3			04/30/24 01:49	10.02
Methyl Butyl Ketone (2-Hexanone)	21	U	21	6.2	ug/m3			04/30/24 01:49	10.02
Methyl Ethyl Ketone (2-Butanone)	15	U	15	14	ug/m3			04/30/24 01:49	10.02
Methyl methacrylate	21	U	21	5.7	ug/m3			04/30/24 01:49	10.02
Methyl tert-butyl ether	7.2	U	7.2	1.3	ug/m3			04/30/24 01:49	10.02
Methylene Chloride	17	U	17	6.3	ug/m3			04/30/24 01:49	10.02
Naphthalene	26	U	26	16	ug/m3			04/30/24 01:49	10.02
n-Butane	12	U	12	4.8	ug/m3			04/30/24 01:49	10.02
n-Butylbenzene	11	U	11	6.1	ug/m3			04/30/24 01:49	10.02
n-Heptane	8.2	U	8.2	2.3	ug/m3			04/30/24 01:49	10.02
n-Hexane	18	U	18	3.9	ug/m3			04/30/24 01:49	10.02
n-Propylbenzene	9.9	U	9.9	2.3	ug/m3			04/30/24 01:49	10.02
o-Xylene	8.7	U	8.7	2.7	ug/m3			04/30/24 01:49	10.02
sec-Butylbenzene	11	U	11	2.5	ug/m3			04/30/24 01:49	10.02
Styrene	8.5	U	8.5	2.5	ug/m3			04/30/24 01:49	10.02
tert-Butyl alcohol	150	U	150	36	ug/m3			04/30/24 01:49	10.02
tert-Butylbenzene	11	U	11	2.6	ug/m3			04/30/24 01:49	10.02
Tetrachloroethene	**5300**	**E**	14	1.4	ug/m3			04/30/24 01:49	10.02
Tetrahydrofuran	150	U	150	38	ug/m3			04/30/24 01:49	10.02
Toluene	7.6	U	7.6	2.3	ug/m3			04/30/24 01:49	10.02
trans-1,2-Dichloroethene	7.9	U	7.9	0.91	ug/m3			04/30/24 01:49	10.02
trans-1,3-Dichloropropene	9.1	U	9.1	2.5	ug/m3			04/30/24 01:49	10.02
Trichloroethene	**47**		2.0	1.3	ug/m3			04/30/24 01:49	10.02
Trichlorofluoromethane	11	U	11	2.8	ug/m3			04/30/24 01:49	10.02
Vinyl chloride	2.0	U	2.0	0.54	ug/m3			04/30/24 01:49	10.02

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ppb v/v			04/30/24 01:49	10.02
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			04/30/24 01:49	10.02
1,1,2-Trichloroethane	2.0	U	2.0	0.74	ppb v/v			04/30/24 01:49	10.02
1,1,2-Trichlorotrifluoroethane	2.0	U	2.0	0.53	ppb v/v			04/30/24 01:49	10.02
1,1-Dichloroethane	2.0	U	2.0	0.25	ppb v/v			04/30/24 01:49	10.02
1,1-Dichloroethene	0.51	U	0.51	0.26	ppb v/v			04/30/24 01:49	10.02
1,2,4-Trichlorobenzene	5.0	U	5.0	3.3	ppb v/v			04/30/24 01:49	10.02
1,2,4-Trimethylbenzene	2.0	U	2.0	0.80	ppb v/v			04/30/24 01:49	10.02
1,2-Dibromoethane	2.0	U	2.0	0.42	ppb v/v			04/30/24 01:49	10.02
1,2-Dichlorobenzene	2.0	U	2.0	0.66	ppb v/v			04/30/24 01:49	10.02

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: SGMP-2-041824
Lab Sample ID: 480-219161-2
Date Collected: 04/18/24 18:00
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	2.0	U	2.0	0.93	ppb v/v			04/30/24 01:49	10.02
1,2-Dichloropropane	2.0	U	2.0	0.94	ppb v/v			04/30/24 01:49	10.02
1,2-Dichlorotetrafluoroethane	2.0	U	2.0	0.48	ppb v/v			04/30/24 01:49	10.02
1,3,5-Trimethylbenzene	2.0	U	2.0	0.47	ppb v/v			04/30/24 01:49	10.02
1,3-Butadiene	2.0	U	2.0	0.39	ppb v/v			04/30/24 01:49	10.02
1,3-Dichlorobenzene	2.0	U	2.0	0.74	ppb v/v			04/30/24 01:49	10.02
1,4-Dichlorobenzene	2.0	U	2.0	0.89	ppb v/v			04/30/24 01:49	10.02
1,4-Dioxane	50	U	50	0.82	ppb v/v			04/30/24 01:49	10.02
2,2,4-Trimethylpentane	2.0	U	2.0	0.38	ppb v/v			04/30/24 01:49	10.02
2-Chlorotoluene	2.0	U	2.0	0.46	ppb v/v			04/30/24 01:49	10.02
3-Chloropropene	5.0	U	5.0	1.2	ppb v/v			04/30/24 01:49	10.02
4-Ethyltoluene	2.0	U	2.0	0.49	ppb v/v			04/30/24 01:49	10.02
4-Isopropyltoluene	2.0	U	2.0	0.61	ppb v/v			04/30/24 01:49	10.02
4-Methyl-2-pentanone (Methyl isobutyl ketone)	5.0	U	5.0	1.3	ppb v/v			04/30/24 01:49	10.02
Acetone	50	U	50	16	ppb v/v			04/30/24 01:49	10.02
Benzene	2.0	U	2.0	0.44	ppb v/v			04/30/24 01:49	10.02
Benzyl chloride	2.0	U	2.0	0.88	ppb v/v			04/30/24 01:49	10.02
Bromodichloromethane	2.0	U	2.0	0.50	ppb v/v			04/30/24 01:49	10.02
Bromoethene(Vinyl Bromide)	2.0	U	2.0	0.50	ppb v/v			04/30/24 01:49	10.02
Bromoform	2.0	U	2.0	1.2	ppb v/v			04/30/24 01:49	10.02
Bromomethane	2.0	U	2.0	0.71	ppb v/v			04/30/24 01:49	10.02
Carbon disulfide	5.0	U	5.0	1.3	ppb v/v			04/30/24 01:49	10.02
Carbon tetrachloride	0.35	U	0.35	0.22	ppb v/v			04/30/24 01:49	10.02
Chlorobenzene	2.0	U	2.0	0.44	ppb v/v			04/30/24 01:49	10.02
Chlorodifluoromethane	5.0	U	5.0	1.2	ppb v/v			04/30/24 01:49	10.02
Chloroethane	5.0	U	5.0	1.8	ppb v/v			04/30/24 01:49	10.02
Chloroform	2.0	U	2.0	0.41	ppb v/v			04/30/24 01:49	10.02
Chloromethane	5.0	U	5.0	1.5	ppb v/v			04/30/24 01:49	10.02
cis-1,2-Dichloroethene	**1.0**		0.51	0.21	ppb v/v			04/30/24 01:49	10.02
cis-1,3-Dichloropropene	2.0	U	2.0	0.45	ppb v/v			04/30/24 01:49	10.02
Cumene	2.0	U	2.0	0.41	ppb v/v			04/30/24 01:49	10.02
Cyclohexane	2.0	U	2.0	0.58	ppb v/v			04/30/24 01:49	10.02
Dibromochloromethane	2.0	U	2.0	0.63	ppb v/v			04/30/24 01:49	10.02
Dichlorodifluoromethane	5.0	U	5.0	1.1	ppb v/v			04/30/24 01:49	10.02
Ethylbenzene	2.0	U	2.0	0.69	ppb v/v			04/30/24 01:49	10.02
Hexachlorobutadiene	2.0	U	2.0	1.1	ppb v/v			04/30/24 01:49	10.02
Isopropyl alcohol	50	U	50	16	ppb v/v			04/30/24 01:49	10.02
m,p-Xylene	5.0	U	5.0	0.95	ppb v/v			04/30/24 01:49	10.02
Methyl Butyl Ketone (2-Hexanone)	5.0	U	5.0	1.5	ppb v/v			04/30/24 01:49	10.02
Methyl Ethyl Ketone (2-Butanone)	5.0	U	5.0	4.9	ppb v/v			04/30/24 01:49	10.02
Methyl methacrylate	5.0	U	5.0	1.4	ppb v/v			04/30/24 01:49	10.02
Methyl tert-butyl ether	2.0	U	2.0	0.36	ppb v/v			04/30/24 01:49	10.02
Methylene Chloride	5.0	U	5.0	1.8	ppb v/v			04/30/24 01:49	10.02
Naphthalene	5.0	U	5.0	3.0	ppb v/v			04/30/24 01:49	10.02
n-Butane	5.0	U	5.0	2.0	ppb v/v			04/30/24 01:49	10.02
n-Butylbenzene	2.0	U	2.0	1.1	ppb v/v			04/30/24 01:49	10.02
n-Heptane	2.0	U	2.0	0.55	ppb v/v			04/30/24 01:49	10.02
n-Hexane	5.0	U	5.0	1.1	ppb v/v			04/30/24 01:49	10.02

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: SGMP-2-041824
Lab Sample ID: 480-219161-2
Date Collected: 04/18/24 18:00
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Propylbenzene	2.0	U	2.0	0.47	ppb v/v			04/30/24 01:49	10.02
o-Xylene	2.0	U	2.0	0.63	ppb v/v			04/30/24 01:49	10.02
sec-Butylbenzene	2.0	U	2.0	0.45	ppb v/v			04/30/24 01:49	10.02
Styrene	2.0	U	2.0	0.59	ppb v/v			04/30/24 01:49	10.02
tert-Butyl alcohol	50	U	50	12	ppb v/v			04/30/24 01:49	10.02
tert-Butylbenzene	2.0	U	2.0	0.47	ppb v/v			04/30/24 01:49	10.02
Tetrachloroethene	**780**	**E**	2.0	0.21	ppb v/v			04/30/24 01:49	10.02
Tetrahydrofuran	50	U	50	13	ppb v/v			04/30/24 01:49	10.02
Toluene	2.0	U	2.0	0.62	ppb v/v			04/30/24 01:49	10.02
trans-1,2-Dichloroethene	2.0	U	2.0	0.23	ppb v/v			04/30/24 01:49	10.02
trans-1,3-Dichloropropene	2.0	U	2.0	0.54	ppb v/v			04/30/24 01:49	10.02
Trichloroethene	**8.8**		0.37	0.25	ppb v/v			04/30/24 01:49	10.02
Trichlorofluoromethane	2.0	U	2.0	0.50	ppb v/v			04/30/24 01:49	10.02
Vinyl chloride	0.78	U	0.78	0.21	ppb v/v			04/30/24 01:49	10.02

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	55	U	55	12	ug/m3			04/30/24 02:40	50.1
1,1,2,2-Tetrachloroethane	69	U	69	15	ug/m3			04/30/24 02:40	50.1
1,1,2-Trichloroethane	55	U	55	20	ug/m3			04/30/24 02:40	50.1
1,1,2-Trichlorotrifluoroethane	77	U	77	20	ug/m3			04/30/24 02:40	50.1
1,1-Dichloroethane	41	U	41	5.1	ug/m3			04/30/24 02:40	50.1
1,1-Dichloroethene	10	U	10	5.2	ug/m3			04/30/24 02:40	50.1
1,2,4-Trichlorobenzene	190	U	190	120	ug/m3			04/30/24 02:40	50.1
1,2,4-Trimethylbenzene	49	U	49	20	ug/m3			04/30/24 02:40	50.1
1,2-Dibromoethane	77	U	77	16	ug/m3			04/30/24 02:40	50.1
1,2-Dichlorobenzene	60	U	60	20	ug/m3			04/30/24 02:40	50.1
1,2-Dichloroethane	41	U	41	19	ug/m3			04/30/24 02:40	50.1
1,2-Dichloropropane	46	U	46	22	ug/m3			04/30/24 02:40	50.1
1,2-Dichlorotetrafluoroethane	70	U	70	17	ug/m3			04/30/24 02:40	50.1
1,3,5-Trimethylbenzene	49	U	49	12	ug/m3			04/30/24 02:40	50.1
1,3-Butadiene	22	U	22	4.3	ug/m3			04/30/24 02:40	50.1
1,3-Dichlorobenzene	60	U	60	22	ug/m3			04/30/24 02:40	50.1
1,4-Dichlorobenzene	60	U	60	27	ug/m3			04/30/24 02:40	50.1
1,4-Dioxane	900	U	900	15	ug/m3			04/30/24 02:40	50.1
2,2,4-Trimethylpentane	47	U	47	8.9	ug/m3			04/30/24 02:40	50.1
2-Chlorotoluene	52	U	52	12	ug/m3			04/30/24 02:40	50.1
3-Chloropropene	78	U	78	19	ug/m3			04/30/24 02:40	50.1
4-Ethyltoluene	49	U	49	12	ug/m3			04/30/24 02:40	50.1
4-Isopropyltoluene	55	U	55	17	ug/m3			04/30/24 02:40	50.1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	100	U	100	27	ug/m3			04/30/24 02:40	50.1
Acetone	600	U	600	190	ug/m3			04/30/24 02:40	50.1
Benzene	32	U	32	7.0	ug/m3			04/30/24 02:40	50.1
Benzyl chloride	52	U	52	23	ug/m3			04/30/24 02:40	50.1
Bromodichloromethane	67	U	67	17	ug/m3			04/30/24 02:40	50.1
Bromoethene(Vinyl Bromide)	44	U	44	11	ug/m3			04/30/24 02:40	50.1
Bromoform	100	U	100	62	ug/m3			04/30/24 02:40	50.1
Bromomethane	39	U	39	14	ug/m3			04/30/24 02:40	50.1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: SGMP-2-041824
Lab Sample ID: 480-219161-2
Date Collected: 04/18/24 18:00
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	78	U	78	20	ug/m3			04/30/24 02:40	50.1
Carbon tetrachloride	11	U	11	6.9	ug/m3			04/30/24 02:40	50.1
Chlorobenzene	46	U	46	10	ug/m3			04/30/24 02:40	50.1
Chlorodifluoromethane	89	U	89	21	ug/m3			04/30/24 02:40	50.1
Chloroethane	66	U	66	24	ug/m3			04/30/24 02:40	50.1
Chloroform	49	U	49	10	ug/m3			04/30/24 02:40	50.1
Chloromethane	52	U	52	16	ug/m3			04/30/24 02:40	50.1
cis-1,2-Dichloroethene	10	U	10	4.2	ug/m3			04/30/24 02:40	50.1
cis-1,3-Dichloropropene	45	U	45	10	ug/m3			04/30/24 02:40	50.1
Cumene	49	U	49	10	ug/m3			04/30/24 02:40	50.1
Cyclohexane	34	U	34	10	ug/m3			04/30/24 02:40	50.1
Dibromochloromethane	85	U	85	27	ug/m3			04/30/24 02:40	50.1
Dichlorodifluoromethane	120	U	120	27	ug/m3			04/30/24 02:40	50.1
Ethylbenzene	44	U	44	15	ug/m3			04/30/24 02:40	50.1
Hexachlorobutadiene	110	U	110	59	ug/m3			04/30/24 02:40	50.1
Isopropyl alcohol	620	U	620	200	ug/m3			04/30/24 02:40	50.1
m,p-Xylene	110	U	110	21	ug/m3			04/30/24 02:40	50.1
Methyl Butyl Ketone (2-Hexanone)	100	U	100	31	ug/m3			04/30/24 02:40	50.1
Methyl Ethyl Ketone (2-Butanone)	74	U	74	72	ug/m3			04/30/24 02:40	50.1
Methyl methacrylate	100	U	100	29	ug/m3			04/30/24 02:40	50.1
Methyl tert-butyl ether	36	U	36	6.5	ug/m3			04/30/24 02:40	50.1
Methylene Chloride	87	U	87	31	ug/m3			04/30/24 02:40	50.1
Naphthalene	130	U	130	79	ug/m3			04/30/24 02:40	50.1
n-Butane	60	U	60	24	ug/m3			04/30/24 02:40	50.1
n-Butylbenzene	55	U	55	30	ug/m3			04/30/24 02:40	50.1
n-Heptane	41	U	41	11	ug/m3			04/30/24 02:40	50.1
n-Hexane	88	U	88	19	ug/m3			04/30/24 02:40	50.1
n-Propylbenzene	49	U	49	12	ug/m3			04/30/24 02:40	50.1
o-Xylene	44	U	44	14	ug/m3			04/30/24 02:40	50.1
sec-Butylbenzene	55	U	55	12	ug/m3			04/30/24 02:40	50.1
Styrene	43	U	43	13	ug/m3			04/30/24 02:40	50.1
tert-Butyl alcohol	760	U	760	180	ug/m3			04/30/24 02:40	50.1
tert-Butylbenzene	55	U	55	13	ug/m3			04/30/24 02:40	50.1
Tetrachloroethene	**5200**		68	7.1	ug/m3			04/30/24 02:40	50.1
Tetrahydrofuran	740	U	740	190	ug/m3			04/30/24 02:40	50.1
Toluene	38	U	38	12	ug/m3			04/30/24 02:40	50.1
trans-1,2-Dichloroethene	40	U	40	4.6	ug/m3			04/30/24 02:40	50.1
trans-1,3-Dichloropropene	45	U	45	12	ug/m3			04/30/24 02:40	50.1
Trichloroethene	**45**		10	6.7	ug/m3			04/30/24 02:40	50.1
Trichlorofluoromethane	56	U	56	14	ug/m3			04/30/24 02:40	50.1
Vinyl chloride	10	U	10	2.7	ug/m3			04/30/24 02:40	50.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	10	U	10	2.2	ppb v/v			04/30/24 02:40	50.1
1,1,2,2-Tetrachloroethane	10	U	10	2.2	ppb v/v			04/30/24 02:40	50.1
1,1,2-Trichloroethane	10	U	10	3.7	ppb v/v			04/30/24 02:40	50.1
1,1,2-Trichlorotrifluoroethane	10	U	10	2.7	ppb v/v			04/30/24 02:40	50.1
1,1-Dichloroethane	10	U	10	1.3	ppb v/v			04/30/24 02:40	50.1
1,1-Dichloroethene	2.5	U	2.5	1.3	ppb v/v			04/30/24 02:40	50.1

Client Sample ID: SGMP-2-041824 **Lab Sample ID: 480-219161-2**
Date Collected: 04/18/24 18:00 **Matrix: Air**
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	25	U	25	17	ppb v/v			04/30/24 02:40	50.1
1,2,4-Trimethylbenzene	10	U	10	4.0	ppb v/v			04/30/24 02:40	50.1
1,2-Dibromoethane	10	U	10	2.1	ppb v/v			04/30/24 02:40	50.1
1,2-Dichlorobenzene	10	U	10	3.3	ppb v/v			04/30/24 02:40	50.1
1,2-Dichloroethane	10	U	10	4.7	ppb v/v			04/30/24 02:40	50.1
1,2-Dichloropropane	10	U	10	4.7	ppb v/v			04/30/24 02:40	50.1
1,2-Dichlorotetrafluoroethane	10	U	10	2.4	ppb v/v			04/30/24 02:40	50.1
1,3,5-Trimethylbenzene	10	U	10	2.4	ppb v/v			04/30/24 02:40	50.1
1,3-Butadiene	10	U	10	2.0	ppb v/v			04/30/24 02:40	50.1
1,3-Dichlorobenzene	10	U	10	3.7	ppb v/v			04/30/24 02:40	50.1
1,4-Dichlorobenzene	10	U	10	4.5	ppb v/v			04/30/24 02:40	50.1
1,4-Dioxane	250	U	250	4.1	ppb v/v			04/30/24 02:40	50.1
2,2,4-Trimethylpentane	10	U	10	1.9	ppb v/v			04/30/24 02:40	50.1
2-Chlorotoluene	10	U	10	2.3	ppb v/v			04/30/24 02:40	50.1
3-Chloropropene	25	U	25	6.0	ppb v/v			04/30/24 02:40	50.1
4-Ethyltoluene	10	U	10	2.5	ppb v/v			04/30/24 02:40	50.1
4-Isopropyltoluene	10	U	10	3.1	ppb v/v			04/30/24 02:40	50.1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	25	U	25	6.5	ppb v/v			04/30/24 02:40	50.1
Acetone	250	U	250	80	ppb v/v			04/30/24 02:40	50.1
Benzene	10	U	10	2.2	ppb v/v			04/30/24 02:40	50.1
Benzyl chloride	10	U	10	4.4	ppb v/v			04/30/24 02:40	50.1
Bromodichloromethane	10	U	10	2.5	ppb v/v			04/30/24 02:40	50.1
Bromoethene(Vinyl Bromide)	10	U	10	2.5	ppb v/v			04/30/24 02:40	50.1
Bromoform	10	U	10	6.0	ppb v/v			04/30/24 02:40	50.1
Bromomethane	10	U	10	3.6	ppb v/v			04/30/24 02:40	50.1
Carbon disulfide	25	U	25	6.5	ppb v/v			04/30/24 02:40	50.1
Carbon tetrachloride	1.8	U	1.8	1.1	ppb v/v			04/30/24 02:40	50.1
Chlorobenzene	10	U	10	2.2	ppb v/v			04/30/24 02:40	50.1
Chlorodifluoromethane	25	U	25	6.0	ppb v/v			04/30/24 02:40	50.1
Chloroethane	25	U	25	9.0	ppb v/v			04/30/24 02:40	50.1
Chloroform	10	U	10	2.1	ppb v/v			04/30/24 02:40	50.1
Chloromethane	25	U	25	7.5	ppb v/v			04/30/24 02:40	50.1
cis-1,2-Dichloroethene	2.5	U	2.5	1.1	ppb v/v			04/30/24 02:40	50.1
cis-1,3-Dichloropropene	10	U	10	2.3	ppb v/v			04/30/24 02:40	50.1
Cumene	10	U	10	2.1	ppb v/v			04/30/24 02:40	50.1
Cyclohexane	10	U	10	2.9	ppb v/v			04/30/24 02:40	50.1
Dibromochloromethane	10	U	10	3.2	ppb v/v			04/30/24 02:40	50.1
Dichlorodifluoromethane	25	U	25	5.5	ppb v/v			04/30/24 02:40	50.1
Ethylbenzene	10	U	10	3.5	ppb v/v			04/30/24 02:40	50.1
Hexachlorobutadiene	10	U	10	5.5	ppb v/v			04/30/24 02:40	50.1
Isopropyl alcohol	250	U	250	80	ppb v/v			04/30/24 02:40	50.1
m,p-Xylene	25	U	25	4.8	ppb v/v			04/30/24 02:40	50.1
Methyl Butyl Ketone (2-Hexanone)	25	U	25	7.5	ppb v/v			04/30/24 02:40	50.1
Methyl Ethyl Ketone (2-Butanone)	25	U	25	25	ppb v/v			04/30/24 02:40	50.1
Methyl methacrylate	25	U	25	7.0	ppb v/v			04/30/24 02:40	50.1
Methyl tert-butyl ether	10	U	10	1.8	ppb v/v			04/30/24 02:40	50.1
Methylene Chloride	25	U	25	9.0	ppb v/v			04/30/24 02:40	50.1
Naphthalene	25	U	25	15	ppb v/v			04/30/24 02:40	50.1

Client Sample ID: SGMP-2-041824
Lab Sample ID: 480-219161-2
Date Collected: 04/18/24 18:00
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butane	25	U	25	10	ppb v/v			04/30/24 02:40	50.1
n-Butylbenzene	10	U	10	5.5	ppb v/v			04/30/24 02:40	50.1
n-Heptane	10	U	10	2.8	ppb v/v			04/30/24 02:40	50.1
n-Hexane	25	U	25	5.5	ppb v/v			04/30/24 02:40	50.1
n-Propylbenzene	10	U	10	2.4	ppb v/v			04/30/24 02:40	50.1
o-Xylene	10	U	10	3.2	ppb v/v			04/30/24 02:40	50.1
sec-Butylbenzene	10	U	10	2.3	ppb v/v			04/30/24 02:40	50.1
Styrene	10	U	10	3.0	ppb v/v			04/30/24 02:40	50.1
tert-Butyl alcohol	250	U	250	60	ppb v/v			04/30/24 02:40	50.1
tert-Butylbenzene	10	U	10	2.4	ppb v/v			04/30/24 02:40	50.1
Tetrachloroethene	**760**		10	1.1	ppb v/v			04/30/24 02:40	50.1
Tetrahydrofuran	250	U	250	65	ppb v/v			04/30/24 02:40	50.1
Toluene	10	U	10	3.1	ppb v/v			04/30/24 02:40	50.1
trans-1,2-Dichloroethene	10	U	10	1.2	ppb v/v			04/30/24 02:40	50.1
trans-1,3-Dichloropropene	10	U	10	2.7	ppb v/v			04/30/24 02:40	50.1
Trichloroethene	**8.3**		1.9	1.3	ppb v/v			04/30/24 02:40	50.1
Trichlorofluoromethane	10	U	10	2.5	ppb v/v			04/30/24 02:40	50.1
Vinyl chloride	3.9	U	3.9	1.1	ppb v/v			04/30/24 02:40	50.1

Client Sample ID: X-1-041824
Lab Sample ID: 480-219161-3
Date Collected: 04/18/24 00:00
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	11	U	11	2.4	ug/m3			04/30/24 03:31	9.96
1,1,2,2-Tetrachloroethane	14	U	14	2.9	ug/m3			04/30/24 03:31	9.96
1,1,2-Trichloroethane	11	U	11	4.0	ug/m3			04/30/24 03:31	9.96
1,1,2-Trichlorotrifluoroethane	15	U	15	4.0	ug/m3			04/30/24 03:31	9.96
1,1-Dichloroethane	8.1	U	8.1	1.0	ug/m3			04/30/24 03:31	9.96
1,1-Dichloroethene	2.0	U	2.0	1.0	ug/m3			04/30/24 03:31	9.96
1,2,4-Trichlorobenzene	37	U	37	24	ug/m3			04/30/24 03:31	9.96
1,2,4-Trimethylbenzene	9.8	U	9.8	3.9	ug/m3			04/30/24 03:31	9.96
1,2-Dibromoethane	15	U	15	3.2	ug/m3			04/30/24 03:31	9.96
1,2-Dichlorobenzene	12	U	12	4.0	ug/m3			04/30/24 03:31	9.96
1,2-Dichloroethane	8.1	U	8.1	3.7	ug/m3			04/30/24 03:31	9.96
1,2-Dichloropropane	9.2	U	9.2	4.3	ug/m3			04/30/24 03:31	9.96
1,2-Dichlorotetrafluoroethane	14	U	14	3.3	ug/m3			04/30/24 03:31	9.96
1,3,5-Trimethylbenzene	9.8	U	9.8	2.3	ug/m3			04/30/24 03:31	9.96
1,3-Butadiene	4.4	U	4.4	0.86	ug/m3			04/30/24 03:31	9.96
1,3-Dichlorobenzene	12	U	12	4.4	ug/m3			04/30/24 03:31	9.96
1,4-Dichlorobenzene	12	U	12	5.3	ug/m3			04/30/24 03:31	9.96
1,4-Dioxane	180	U	180	2.9	ug/m3			04/30/24 03:31	9.96
2,2,4-Trimethylpentane	9.3	U	9.3	1.8	ug/m3			04/30/24 03:31	9.96
2-Chlorotoluene	10	U	10	2.4	ug/m3			04/30/24 03:31	9.96
3-Chloropropene	16	U	16	3.7	ug/m3			04/30/24 03:31	9.96
4-Ethyltoluene	9.8	U	9.8	2.4	ug/m3			04/30/24 03:31	9.96
4-Isopropyltoluene	11	U	11	3.3	ug/m3			04/30/24 03:31	9.96

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: X-1-041824
Lab Sample ID: 480-219161-3
Date Collected: 04/18/24 00:00
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	20	U	20	5.3	ug/m3			04/30/24 03:31	9.96
Acetone	120	U	120	38	ug/m3			04/30/24 03:31	9.96
Benzene	6.4	U	6.4	1.4	ug/m3			04/30/24 03:31	9.96
Benzyl chloride	10	U	10	4.5	ug/m3			04/30/24 03:31	9.96
Bromodichloromethane	13	U	13	3.3	ug/m3			04/30/24 03:31	9.96
Bromoethene(Vinyl Bromide)	8.7	U	8.7	2.2	ug/m3			04/30/24 03:31	9.96
Bromoform	21	U	21	12	ug/m3			04/30/24 03:31	9.96
Bromomethane	7.7	U	7.7	2.7	ug/m3			04/30/24 03:31	9.96
Carbon disulfide	16	U	16	4.0	ug/m3			04/30/24 03:31	9.96
Carbon tetrachloride	2.2	U	2.2	1.4	ug/m3			04/30/24 03:31	9.96
Chlorobenzene	9.2	U	9.2	2.0	ug/m3			04/30/24 03:31	9.96
Chlorodifluoromethane	18	U	18	4.2	ug/m3			04/30/24 03:31	9.96
Chloroethane	13	U	13	4.7	ug/m3			04/30/24 03:31	9.96
Chloroform	9.7	U	9.7	2.0	ug/m3			04/30/24 03:31	9.96
Chloromethane	10	U	10	3.1	ug/m3			04/30/24 03:31	9.96
cis-1,2-Dichloroethene	**4.5**		2.0	0.83	ug/m3			04/30/24 03:31	9.96
cis-1,3-Dichloropropene	9.0	U	9.0	2.0	ug/m3			04/30/24 03:31	9.96
Cumene	9.8	U	9.8	2.0	ug/m3			04/30/24 03:31	9.96
Cyclohexane	6.9	U	6.9	2.0	ug/m3			04/30/24 03:31	9.96
Dibromochloromethane	17	U	17	5.3	ug/m3			04/30/24 03:31	9.96
Dichlorodifluoromethane	25	U	25	5.4	ug/m3			04/30/24 03:31	9.96
Ethylbenzene	8.6	U	8.6	3.0	ug/m3			04/30/24 03:31	9.96
Hexachlorobutadiene	21	U	21	12	ug/m3			04/30/24 03:31	9.96
Isopropyl alcohol	120	U	120	39	ug/m3			04/30/24 03:31	9.96
m,p-Xylene	22	U	22	4.1	ug/m3			04/30/24 03:31	9.96
Methyl Butyl Ketone (2-Hexanone)	20	U	20	6.1	ug/m3			04/30/24 03:31	9.96
Methyl Ethyl Ketone (2-Butanone)	15	U	15	14	ug/m3			04/30/24 03:31	9.96
Methyl methacrylate	20	U	20	5.7	ug/m3			04/30/24 03:31	9.96
Methyl tert-butyl ether	7.2	U	7.2	1.3	ug/m3			04/30/24 03:31	9.96
Methylene Chloride	17	U	17	6.2	ug/m3			04/30/24 03:31	9.96
Naphthalene	26	U	26	16	ug/m3			04/30/24 03:31	9.96
n-Butane	12	U	12	4.7	ug/m3			04/30/24 03:31	9.96
n-Butylbenzene	11	U	11	6.0	ug/m3			04/30/24 03:31	9.96
n-Heptane	8.2	U	8.2	2.2	ug/m3			04/30/24 03:31	9.96
n-Hexane	18	U	18	3.9	ug/m3			04/30/24 03:31	9.96
n-Propylbenzene	9.8	U	9.8	2.3	ug/m3			04/30/24 03:31	9.96
o-Xylene	8.6	U	8.6	2.7	ug/m3			04/30/24 03:31	9.96
sec-Butylbenzene	11	U	11	2.5	ug/m3			04/30/24 03:31	9.96
Styrene	8.5	U	8.5	2.5	ug/m3			04/30/24 03:31	9.96
tert-Butyl alcohol	150	U	150	36	ug/m3			04/30/24 03:31	9.96
tert-Butylbenzene	11	U	11	2.6	ug/m3			04/30/24 03:31	9.96
Tetrachloroethene	**5900**	**E**	14	1.4	ug/m3			04/30/24 03:31	9.96
Tetrahydrofuran	150	U	150	38	ug/m3			04/30/24 03:31	9.96
Toluene	7.5	U	7.5	2.3	ug/m3			04/30/24 03:31	9.96
trans-1,2-Dichloroethene	7.9	U	7.9	0.91	ug/m3			04/30/24 03:31	9.96
trans-1,3-Dichloropropene	9.0	U	9.0	2.4	ug/m3			04/30/24 03:31	9.96
Trichloroethene	**53**		2.0	1.3	ug/m3			04/30/24 03:31	9.96
Trichlorofluoromethane	11	U	11	2.8	ug/m3			04/30/24 03:31	9.96

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: X-1-041824
Lab Sample ID: 480-219161-3
Date Collected: 04/18/24 00:00
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	2.0	U	2.0	0.53	ug/m3			04/30/24 03:31	9.96

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0	U	2.0	0.44	ppb v/v			04/30/24 03:31	9.96
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.43	ppb v/v			04/30/24 03:31	9.96
1,1,2-Trichloroethane	2.0	U	2.0	0.74	ppb v/v			04/30/24 03:31	9.96
1,1,2-Trichlorotrifluoroethane	2.0	U	2.0	0.53	ppb v/v			04/30/24 03:31	9.96
1,1-Dichloroethane	2.0	U	2.0	0.25	ppb v/v			04/30/24 03:31	9.96
1,1-Dichloroethene	0.50	U	0.50	0.26	ppb v/v			04/30/24 03:31	9.96
1,2,4-Trichlorobenzene	5.0	U	5.0	3.3	ppb v/v			04/30/24 03:31	9.96
1,2,4-Trimethylbenzene	2.0	U	2.0	0.80	ppb v/v			04/30/24 03:31	9.96
1,2-Dibromoethane	2.0	U	2.0	0.42	ppb v/v			04/30/24 03:31	9.96
1,2-Dichlorobenzene	2.0	U	2.0	0.66	ppb v/v			04/30/24 03:31	9.96
1,2-Dichloroethane	2.0	U	2.0	0.93	ppb v/v			04/30/24 03:31	9.96
1,2-Dichloropropane	2.0	U	2.0	0.94	ppb v/v			04/30/24 03:31	9.96
1,2-Dichlorotetrafluoroethane	2.0	U	2.0	0.48	ppb v/v			04/30/24 03:31	9.96
1,3,5-Trimethylbenzene	2.0	U	2.0	0.47	ppb v/v			04/30/24 03:31	9.96
1,3-Butadiene	2.0	U	2.0	0.39	ppb v/v			04/30/24 03:31	9.96
1,3-Dichlorobenzene	2.0	U	2.0	0.74	ppb v/v			04/30/24 03:31	9.96
1,4-Dichlorobenzene	2.0	U	2.0	0.89	ppb v/v			04/30/24 03:31	9.96
1,4-Dioxane	50	U	50	0.82	ppb v/v			04/30/24 03:31	9.96
2,2,4-Trimethylpentane	2.0	U	2.0	0.38	ppb v/v			04/30/24 03:31	9.96
2-Chlorotoluene	2.0	U	2.0	0.46	ppb v/v			04/30/24 03:31	9.96
3-Chloropropene	5.0	U	5.0	1.2	ppb v/v			04/30/24 03:31	9.96
4-Ethyltoluene	2.0	U	2.0	0.49	ppb v/v			04/30/24 03:31	9.96
4-Isopropyltoluene	2.0	U	2.0	0.61	ppb v/v			04/30/24 03:31	9.96
4-Methyl-2-pentanone (Methyl isobutyl ketone)	5.0	U	5.0	1.3	ppb v/v			04/30/24 03:31	9.96
Acetone	50	U	50	16	ppb v/v			04/30/24 03:31	9.96
Benzene	2.0	U	2.0	0.44	ppb v/v			04/30/24 03:31	9.96
Benzyl chloride	2.0	U	2.0	0.88	ppb v/v			04/30/24 03:31	9.96
Bromodichloromethane	2.0	U	2.0	0.50	ppb v/v			04/30/24 03:31	9.96
Bromoethene(Vinyl Bromide)	2.0	U	2.0	0.50	ppb v/v			04/30/24 03:31	9.96
Bromoform	2.0	U	2.0	1.2	ppb v/v			04/30/24 03:31	9.96
Bromomethane	2.0	U	2.0	0.71	ppb v/v			04/30/24 03:31	9.96
Carbon disulfide	5.0	U	5.0	1.3	ppb v/v			04/30/24 03:31	9.96
Carbon tetrachloride	0.35	U	0.35	0.22	ppb v/v			04/30/24 03:31	9.96
Chlorobenzene	2.0	U	2.0	0.44	ppb v/v			04/30/24 03:31	9.96
Chlorodifluoromethane	5.0	U	5.0	1.2	ppb v/v			04/30/24 03:31	9.96
Chloroethane	5.0	U	5.0	1.8	ppb v/v			04/30/24 03:31	9.96
Chloroform	2.0	U	2.0	0.41	ppb v/v			04/30/24 03:31	9.96
Chloromethane	5.0	U	5.0	1.5	ppb v/v			04/30/24 03:31	9.96
cis-1,2-Dichloroethene	**1.1**		0.50	0.21	ppb v/v			04/30/24 03:31	9.96
cis-1,3-Dichloropropene	2.0	U	2.0	0.45	ppb v/v			04/30/24 03:31	9.96
Cumene	2.0	U	2.0	0.41	ppb v/v			04/30/24 03:31	9.96
Cyclohexane	2.0	U	2.0	0.58	ppb v/v			04/30/24 03:31	9.96
Dibromochloromethane	2.0	U	2.0	0.63	ppb v/v			04/30/24 03:31	9.96
Dichlorodifluoromethane	5.0	U	5.0	1.1	ppb v/v			04/30/24 03:31	9.96
Ethylbenzene	2.0	U	2.0	0.69	ppb v/v			04/30/24 03:31	9.96

Client Sample ID: X-1-041824 **Lab Sample ID: 480-219161-3**
Date Collected: 04/18/24 00:00 **Matrix: Air**
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	2.0	U	2.0	1.1	ppb v/v			04/30/24 03:31	9.96
Isopropyl alcohol	50	U	50	16	ppb v/v			04/30/24 03:31	9.96
m,p-Xylene	5.0	U	5.0	0.95	ppb v/v			04/30/24 03:31	9.96
Methyl Butyl Ketone (2-Hexanone)	5.0	U	5.0	1.5	ppb v/v			04/30/24 03:31	9.96
Methyl Ethyl Ketone (2-Butanone)	5.0	U	5.0	4.9	ppb v/v			04/30/24 03:31	9.96
Methyl methacrylate	5.0	U	5.0	1.4	ppb v/v			04/30/24 03:31	9.96
Methyl tert-butyl ether	2.0	U	2.0	0.36	ppb v/v			04/30/24 03:31	9.96
Methylene Chloride	5.0	U	5.0	1.8	ppb v/v			04/30/24 03:31	9.96
Naphthalene	5.0	U	5.0	3.0	ppb v/v			04/30/24 03:31	9.96
n-Butane	5.0	U	5.0	2.0	ppb v/v			04/30/24 03:31	9.96
n-Butylbenzene	2.0	U	2.0	1.1	ppb v/v			04/30/24 03:31	9.96
n-Heptane	2.0	U	2.0	0.55	ppb v/v			04/30/24 03:31	9.96
n-Hexane	5.0	U	5.0	1.1	ppb v/v			04/30/24 03:31	9.96
n-Propylbenzene	2.0	U	2.0	0.47	ppb v/v			04/30/24 03:31	9.96
o-Xylene	2.0	U	2.0	0.63	ppb v/v			04/30/24 03:31	9.96
sec-Butylbenzene	2.0	U	2.0	0.45	ppb v/v			04/30/24 03:31	9.96
Styrene	2.0	U	2.0	0.59	ppb v/v			04/30/24 03:31	9.96
tert-Butyl alcohol	50	U	50	12	ppb v/v			04/30/24 03:31	9.96
tert-Butylbenzene	2.0	U	2.0	0.47	ppb v/v			04/30/24 03:31	9.96
Tetrachloroethene	**870**	**E**	2.0	0.21	ppb v/v			04/30/24 03:31	9.96
Tetrahydrofuran	50	U	50	13	ppb v/v			04/30/24 03:31	9.96
Toluene	2.0	U	2.0	0.62	ppb v/v			04/30/24 03:31	9.96
trans-1,2-Dichloroethene	2.0	U	2.0	0.23	ppb v/v			04/30/24 03:31	9.96
trans-1,3-Dichloropropene	2.0	U	2.0	0.54	ppb v/v			04/30/24 03:31	9.96
Trichloroethene	**9.9**		0.37	0.25	ppb v/v			04/30/24 03:31	9.96
Trichlorofluoromethane	2.0	U	2.0	0.50	ppb v/v			04/30/24 03:31	9.96
Vinyl chloride	0.78	U	0.78	0.21	ppb v/v			04/30/24 03:31	9.96

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	66	U	66	15	ug/m3			04/30/24 04:23	60.4
1,1,2,2-Tetrachloroethane	83	U	83	18	ug/m3			04/30/24 04:23	60.4
1,1,2-Trichloroethane	66	U	66	24	ug/m3			04/30/24 04:23	60.4
1,1,2-Trichlorotrifluoroethane	93	U	93	25	ug/m3			04/30/24 04:23	60.4
1,1-Dichloroethane	49	U	49	6.1	ug/m3			04/30/24 04:23	60.4
1,1-Dichloroethene	12	U	12	6.2	ug/m3			04/30/24 04:23	60.4
1,2,4-Trichlorobenzene	220	U	220	150	ug/m3			04/30/24 04:23	60.4
1,2,4-Trimethylbenzene	59	U	59	24	ug/m3			04/30/24 04:23	60.4
1,2-Dibromoethane	93	U	93	19	ug/m3			04/30/24 04:23	60.4
1,2-Dichlorobenzene	73	U	73	24	ug/m3			04/30/24 04:23	60.4
1,2-Dichloroethane	49	U	49	23	ug/m3			04/30/24 04:23	60.4
1,2-Dichloropropane	56	U	56	26	ug/m3			04/30/24 04:23	60.4
1,2-Dichlorotetrafluoroethane	84	U	84	20	ug/m3			04/30/24 04:23	60.4
1,3,5-Trimethylbenzene	59	U	59	14	ug/m3			04/30/24 04:23	60.4
1,3-Butadiene	27	U	27	5.2	ug/m3			04/30/24 04:23	60.4
1,3-Dichlorobenzene	73	U	73	27	ug/m3			04/30/24 04:23	60.4
1,4-Dichlorobenzene	73	U	73	32	ug/m3			04/30/24 04:23	60.4
1,4-Dioxane	1100	U	1100	18	ug/m3			04/30/24 04:23	60.4
2,2,4-Trimethylpentane	56	U	56	11	ug/m3			04/30/24 04:23	60.4

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: X-1-041824
Lab Sample ID: 480-219161-3
Date Collected: 04/18/24 00:00
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	63	U	63	14	ug/m3			04/30/24 04:23	60.4
3-Chloropropene	95	U	95	23	ug/m3			04/30/24 04:23	60.4
4-Ethyltoluene	59	U	59	15	ug/m3			04/30/24 04:23	60.4
4-Isopropyltoluene	66	U	66	20	ug/m3			04/30/24 04:23	60.4
4-Methyl-2-pentanone (Methyl isobutyl ketone)	120	U	120	32	ug/m3			04/30/24 04:23	60.4
Acetone	720	U	720	230	ug/m3			04/30/24 04:23	60.4
Benzene	39	U	39	8.5	ug/m3			04/30/24 04:23	60.4
Benzyl chloride	63	U	63	28	ug/m3			04/30/24 04:23	60.4
Bromodichloromethane	81	U	81	20	ug/m3			04/30/24 04:23	60.4
Bromoethene(Vinyl Bromide)	53	U	53	13	ug/m3			04/30/24 04:23	60.4
Bromoform	120	U	120	75	ug/m3			04/30/24 04:23	60.4
Bromomethane	47	U	47	17	ug/m3			04/30/24 04:23	60.4
Carbon disulfide	94	U	94	24	ug/m3			04/30/24 04:23	60.4
Carbon tetrachloride	13	U	13	8.4	ug/m3			04/30/24 04:23	60.4
Chlorobenzene	56	U	56	12	ug/m3			04/30/24 04:23	60.4
Chlorodifluoromethane	110	U	110	26	ug/m3			04/30/24 04:23	60.4
Chloroethane	80	U	80	29	ug/m3			04/30/24 04:23	60.4
Chloroform	59	U	59	12	ug/m3			04/30/24 04:23	60.4
Chloromethane	62	U	62	19	ug/m3			04/30/24 04:23	60.4
cis-1,2-Dichloroethene	12	U	12	5.0	ug/m3			04/30/24 04:23	60.4
cis-1,3-Dichloropropene	55	U	55	12	ug/m3			04/30/24 04:23	60.4
Cumene	59	U	59	12	ug/m3			04/30/24 04:23	60.4
Cyclohexane	42	U	42	12	ug/m3			04/30/24 04:23	60.4
Dibromochloromethane	100	U	100	32	ug/m3			04/30/24 04:23	60.4
Dichlorodifluoromethane	150	U	150	33	ug/m3			04/30/24 04:23	60.4
Ethylbenzene	52	U	52	18	ug/m3			04/30/24 04:23	60.4
Hexachlorobutadiene	130	U	130	71	ug/m3			04/30/24 04:23	60.4
Isopropyl alcohol	740	U	740	240	ug/m3			04/30/24 04:23	60.4
m,p-Xylene	130	U	130	25	ug/m3			04/30/24 04:23	60.4
Methyl Butyl Ketone (2-Hexanone)	120	U	120	37	ug/m3			04/30/24 04:23	60.4
Methyl Ethyl Ketone (2-Butanone)	89	U	89	87	ug/m3			04/30/24 04:23	60.4
Methyl methacrylate	120	U	120	35	ug/m3			04/30/24 04:23	60.4
Methyl tert-butyl ether	44	U	44	7.8	ug/m3			04/30/24 04:23	60.4
Methylene Chloride	100	U	100	38	ug/m3			04/30/24 04:23	60.4
Naphthalene	160	U	160	95	ug/m3			04/30/24 04:23	60.4
n-Butane	72	U	72	29	ug/m3			04/30/24 04:23	60.4
n-Butylbenzene	66	U	66	36	ug/m3			04/30/24 04:23	60.4
n-Heptane	50	U	50	14	ug/m3			04/30/24 04:23	60.4
n-Hexane	110	U	110	23	ug/m3			04/30/24 04:23	60.4
n-Propylbenzene	59	U	59	14	ug/m3			04/30/24 04:23	60.4
o-Xylene	52	U	52	17	ug/m3			04/30/24 04:23	60.4
sec-Butylbenzene	66	U	66	15	ug/m3			04/30/24 04:23	60.4
Styrene	51	U	51	15	ug/m3			04/30/24 04:23	60.4
tert-Butyl alcohol	920	U	920	220	ug/m3			04/30/24 04:23	60.4
tert-Butylbenzene	66	U	66	16	ug/m3			04/30/24 04:23	60.4
Tetrachloroethene	**6300**		82	8.6	ug/m3			04/30/24 04:23	60.4
Tetrahydrofuran	890	U	890	230	ug/m3			04/30/24 04:23	60.4
Toluene	46	U	46	14	ug/m3			04/30/24 04:23	60.4

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: X-1-041824
Lab Sample ID: 480-219161-3
Date Collected: 04/18/24 00:00
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	48	U	48	5.5	ug/m3			04/30/24 04:23	60.4
trans-1,3-Dichloropropene	55	U	55	15	ug/m3			04/30/24 04:23	60.4
Trichloroethene	**53**		12	8.1	ug/m3			04/30/24 04:23	60.4
Trichlorofluoromethane	68	U	68	17	ug/m3			04/30/24 04:23	60.4
Vinyl chloride	12	U	12	3.2	ug/m3			04/30/24 04:23	60.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	12	U	12	2.7	ppb v/v			04/30/24 04:23	60.4
1,1,2,2-Tetrachloroethane	12	U	12	2.6	ppb v/v			04/30/24 04:23	60.4
1,1,2-Trichloroethane	12	U	12	4.5	ppb v/v			04/30/24 04:23	60.4
1,1,2-Trichlorotrifluoroethane	12	U	12	3.2	ppb v/v			04/30/24 04:23	60.4
1,1-Dichloroethane	12	U	12	1.5	ppb v/v			04/30/24 04:23	60.4
1,1-Dichloroethene	3.0	U	3.0	1.6	ppb v/v			04/30/24 04:23	60.4
1,2,4-Trichlorobenzene	30	U	30	20	ppb v/v			04/30/24 04:23	60.4
1,2,4-Trimethylbenzene	12	U	12	4.8	ppb v/v			04/30/24 04:23	60.4
1,2-Dibromoethane	12	U	12	2.5	ppb v/v			04/30/24 04:23	60.4
1,2-Dichlorobenzene	12	U	12	4.0	ppb v/v			04/30/24 04:23	60.4
1,2-Dichloroethane	12	U	12	5.6	ppb v/v			04/30/24 04:23	60.4
1,2-Dichloropropane	12	U	12	5.7	ppb v/v			04/30/24 04:23	60.4
1,2-Dichlorotetrafluoroethane	12	U	12	2.9	ppb v/v			04/30/24 04:23	60.4
1,3,5-Trimethylbenzene	12	U	12	2.8	ppb v/v			04/30/24 04:23	60.4
1,3-Butadiene	12	U	12	2.4	ppb v/v			04/30/24 04:23	60.4
1,3-Dichlorobenzene	12	U	12	4.5	ppb v/v			04/30/24 04:23	60.4
1,4-Dichlorobenzene	12	U	12	5.4	ppb v/v			04/30/24 04:23	60.4
1,4-Dioxane	300	U	300	5.0	ppb v/v			04/30/24 04:23	60.4
2,2,4-Trimethylpentane	12	U	12	2.3	ppb v/v			04/30/24 04:23	60.4
2-Chlorotoluene	12	U	12	2.8	ppb v/v			04/30/24 04:23	60.4
3-Chloropropene	30	U	30	7.2	ppb v/v			04/30/24 04:23	60.4
4-Ethyltoluene	12	U	12	3.0	ppb v/v			04/30/24 04:23	60.4
4-Isopropyltoluene	12	U	12	3.7	ppb v/v			04/30/24 04:23	60.4
4-Methyl-2-pentanone (Methyl isobutyl ketone)	30	U	30	7.9	ppb v/v			04/30/24 04:23	60.4
Acetone	300	U	300	97	ppb v/v			04/30/24 04:23	60.4
Benzene	12	U	12	2.7	ppb v/v			04/30/24 04:23	60.4
Benzyl chloride	12	U	12	5.3	ppb v/v			04/30/24 04:23	60.4
Bromodichloromethane	12	U	12	3.0	ppb v/v			04/30/24 04:23	60.4
Bromoethene(Vinyl Bromide)	12	U	12	3.0	ppb v/v			04/30/24 04:23	60.4
Bromoform	12	U	12	7.2	ppb v/v			04/30/24 04:23	60.4
Bromomethane	12	U	12	4.3	ppb v/v			04/30/24 04:23	60.4
Carbon disulfide	30	U	30	7.9	ppb v/v			04/30/24 04:23	60.4
Carbon tetrachloride	2.1	U	2.1	1.3	ppb v/v			04/30/24 04:23	60.4
Chlorobenzene	12	U	12	2.7	ppb v/v			04/30/24 04:23	60.4
Chlorodifluoromethane	30	U	30	7.2	ppb v/v			04/30/24 04:23	60.4
Chloroethane	30	U	30	11	ppb v/v			04/30/24 04:23	60.4
Chloroform	12	U	12	2.5	ppb v/v			04/30/24 04:23	60.4
Chloromethane	30	U	30	9.1	ppb v/v			04/30/24 04:23	60.4
cis-1,2-Dichloroethene	3.0	U	3.0	1.3	ppb v/v			04/30/24 04:23	60.4
cis-1,3-Dichloropropene	12	U	12	2.7	ppb v/v			04/30/24 04:23	60.4
Cumene	12	U	12	2.5	ppb v/v			04/30/24 04:23	60.4

Client Sample ID: X-1-041824
Lab Sample ID: 480-219161-3
Date Collected: 04/18/24 00:00
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	12	U	12	3.5	ppb v/v			04/30/24 04:23	60.4
Dibromochloromethane	12	U	12	3.8	ppb v/v			04/30/24 04:23	60.4
Dichlorodifluoromethane	30	U	30	6.6	ppb v/v			04/30/24 04:23	60.4
Ethylbenzene	12	U	12	4.2	ppb v/v			04/30/24 04:23	60.4
Hexachlorobutadiene	12	U	12	6.6	ppb v/v			04/30/24 04:23	60.4
Isopropyl alcohol	300	U	300	97	ppb v/v			04/30/24 04:23	60.4
m,p-Xylene	30	U	30	5.7	ppb v/v			04/30/24 04:23	60.4
Methyl Butyl Ketone (2-Hexanone)	30	U	30	9.1	ppb v/v			04/30/24 04:23	60.4
Methyl Ethyl Ketone (2-Butanone)	30	U	30	30	ppb v/v			04/30/24 04:23	60.4
Methyl methacrylate	30	U	30	8.5	ppb v/v			04/30/24 04:23	60.4
Methyl tert-butyl ether	12	U	12	2.2	ppb v/v			04/30/24 04:23	60.4
Methylene Chloride	30	U	30	11	ppb v/v			04/30/24 04:23	60.4
Naphthalene	30	U	30	18	ppb v/v			04/30/24 04:23	60.4
n-Butane	30	U	30	12	ppb v/v			04/30/24 04:23	60.4
n-Butylbenzene	12	U	12	6.6	ppb v/v			04/30/24 04:23	60.4
n-Heptane	12	U	12	3.3	ppb v/v			04/30/24 04:23	60.4
n-Hexane	30	U	30	6.6	ppb v/v			04/30/24 04:23	60.4
n-Propylbenzene	12	U	12	2.8	ppb v/v			04/30/24 04:23	60.4
o-Xylene	12	U	12	3.8	ppb v/v			04/30/24 04:23	60.4
sec-Butylbenzene	12	U	12	2.7	ppb v/v			04/30/24 04:23	60.4
Styrene	12	U	12	3.6	ppb v/v			04/30/24 04:23	60.4
tert-Butyl alcohol	300	U	300	72	ppb v/v			04/30/24 04:23	60.4
tert-Butylbenzene	12	U	12	2.8	ppb v/v			04/30/24 04:23	60.4
Tetrachloroethene	**930**		12	1.3	ppb v/v			04/30/24 04:23	60.4
Tetrahydrofuran	300	U	300	79	ppb v/v			04/30/24 04:23	60.4
Toluene	12	U	12	3.7	ppb v/v			04/30/24 04:23	60.4
trans-1,2-Dichloroethene	12	U	12	1.4	ppb v/v			04/30/24 04:23	60.4
trans-1,3-Dichloropropene	12	U	12	3.3	ppb v/v			04/30/24 04:23	60.4
Trichloroethene	**9.8**		2.2	1.5	ppb v/v			04/30/24 04:23	60.4
Trichlorofluoromethane	12	U	12	3.0	ppb v/v			04/30/24 04:23	60.4
Vinyl chloride	4.7	U	4.7	1.3	ppb v/v			04/30/24 04:23	60.4

Client Sample ID: AA-041824
Lab Sample ID: 480-219161-4
Date Collected: 04/18/24 17:10
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			04/30/24 05:14	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			04/30/24 05:14	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			04/30/24 05:14	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			04/30/24 05:14	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			04/30/24 05:14	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			04/30/24 05:14	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			04/30/24 05:14	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			04/30/24 05:14	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			04/30/24 05:14	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			04/30/24 05:14	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: AA-041824
Lab Sample ID: 480-219161-4
Date Collected: 04/18/24 17:10
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			04/30/24 05:14	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			04/30/24 05:14	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			04/30/24 05:14	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			04/30/24 05:14	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			04/30/24 05:14	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			04/30/24 05:14	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			04/30/24 05:14	1
1,4-Dioxane	18	U	18	0.30	ug/m3			04/30/24 05:14	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			04/30/24 05:14	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			04/30/24 05:14	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			04/30/24 05:14	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			04/30/24 05:14	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			04/30/24 05:14	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			04/30/24 05:14	1
Acetone	**4.1**	**J**	12	3.8	ug/m3			04/30/24 05:14	1
Benzene	0.64	U	0.64	0.14	ug/m3			04/30/24 05:14	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			04/30/24 05:14	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			04/30/24 05:14	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			04/30/24 05:14	1
Bromoform	2.1	U	2.1	1.2	ug/m3			04/30/24 05:14	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			04/30/24 05:14	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			04/30/24 05:14	1
Carbon tetrachloride	**0.26**		0.22	0.14	ug/m3			04/30/24 05:14	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			04/30/24 05:14	1
Chlorodifluoromethane	**0.83**	**J**	1.8	0.42	ug/m3			04/30/24 05:14	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			04/30/24 05:14	1
Chloroform	0.98	U	0.98	0.20	ug/m3			04/30/24 05:14	1
Chloromethane	**1.0**		1.0	0.31	ug/m3			04/30/24 05:14	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			04/30/24 05:14	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			04/30/24 05:14	1
Cumene	0.98	U	0.98	0.20	ug/m3			04/30/24 05:14	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			04/30/24 05:14	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			04/30/24 05:14	1
Dichlorodifluoromethane	**1.9**	**J**	2.5	0.54	ug/m3			04/30/24 05:14	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			04/30/24 05:14	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			04/30/24 05:14	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			04/30/24 05:14	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			04/30/24 05:14	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			04/30/24 05:14	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			04/30/24 05:14	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			04/30/24 05:14	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			04/30/24 05:14	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			04/30/24 05:14	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			04/30/24 05:14	1
n-Butane	**0.97**	**J**	1.2	0.48	ug/m3			04/30/24 05:14	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			04/30/24 05:14	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			04/30/24 05:14	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			04/30/24 05:14	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: AA-041824
Lab Sample ID: 480-219161-4
Date Collected: 04/18/24 17:10
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			04/30/24 05:14	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			04/30/24 05:14	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			04/30/24 05:14	1
Styrene	0.85	U	0.85	0.25	ug/m3			04/30/24 05:14	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			04/30/24 05:14	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			04/30/24 05:14	1
Tetrachloroethene	**0.18**	**J**	1.4	0.14	ug/m3			04/30/24 05:14	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			04/30/24 05:14	1
Toluene	0.75	U	0.75	0.23	ug/m3			04/30/24 05:14	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			04/30/24 05:14	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			04/30/24 05:14	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			04/30/24 05:14	1
Trichlorofluoromethane	**1.0**	**J**	1.1	0.28	ug/m3			04/30/24 05:14	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			04/30/24 05:14	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			04/30/24 05:14	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			04/30/24 05:14	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			04/30/24 05:14	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			04/30/24 05:14	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			04/30/24 05:14	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			04/30/24 05:14	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			04/30/24 05:14	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			04/30/24 05:14	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			04/30/24 05:14	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			04/30/24 05:14	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			04/30/24 05:14	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			04/30/24 05:14	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			04/30/24 05:14	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			04/30/24 05:14	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			04/30/24 05:14	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			04/30/24 05:14	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			04/30/24 05:14	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			04/30/24 05:14	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			04/30/24 05:14	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			04/30/24 05:14	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			04/30/24 05:14	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			04/30/24 05:14	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			04/30/24 05:14	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			04/30/24 05:14	1
Acetone	**1.7**	**J**	5.0	1.6	ppb v/v			04/30/24 05:14	1
Benzene	0.20	U	0.20	0.044	ppb v/v			04/30/24 05:14	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			04/30/24 05:14	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			04/30/24 05:14	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			04/30/24 05:14	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			04/30/24 05:14	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			04/30/24 05:14	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			04/30/24 05:14	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: AA-041824
Lab Sample ID: 480-219161-4
Date Collected: 04/18/24 17:10
Matrix: Air
Date Received: 04/23/24 10:20
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	**0.041**		0.035	0.022	ppb v/v			04/30/24 05:14	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			04/30/24 05:14	1
Chlorodifluoromethane	**0.23**	**J**	0.50	0.12	ppb v/v			04/30/24 05:14	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			04/30/24 05:14	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			04/30/24 05:14	1
Chloromethane	**0.50**		0.50	0.15	ppb v/v			04/30/24 05:14	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			04/30/24 05:14	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			04/30/24 05:14	1
Cumene	0.20	U	0.20	0.041	ppb v/v			04/30/24 05:14	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			04/30/24 05:14	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			04/30/24 05:14	1
Dichlorodifluoromethane	**0.39**	**J**	0.50	0.11	ppb v/v			04/30/24 05:14	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			04/30/24 05:14	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			04/30/24 05:14	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			04/30/24 05:14	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			04/30/24 05:14	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			04/30/24 05:14	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			04/30/24 05:14	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			04/30/24 05:14	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			04/30/24 05:14	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			04/30/24 05:14	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			04/30/24 05:14	1
n-Butane	**0.41**	**J**	0.50	0.20	ppb v/v			04/30/24 05:14	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			04/30/24 05:14	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			04/30/24 05:14	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			04/30/24 05:14	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			04/30/24 05:14	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			04/30/24 05:14	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			04/30/24 05:14	1
Styrene	0.20	U	0.20	0.059	ppb v/v			04/30/24 05:14	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			04/30/24 05:14	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			04/30/24 05:14	1
Tetrachloroethene	**0.026**	**J**	0.20	0.021	ppb v/v			04/30/24 05:14	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			04/30/24 05:14	1
Toluene	0.20	U	0.20	0.062	ppb v/v			04/30/24 05:14	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			04/30/24 05:14	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			04/30/24 05:14	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			04/30/24 05:14	1
Trichlorofluoromethane	**0.18**	**J**	0.20	0.050	ppb v/v			04/30/24 05:14	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			04/30/24 05:14	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-203529/4
Matrix: Air
Analysis Batch: 203529

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			04/29/24 09:45	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			04/29/24 09:45	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			04/29/24 09:45	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			04/29/24 09:45	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			04/29/24 09:45	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			04/29/24 09:45	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			04/29/24 09:45	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			04/29/24 09:45	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			04/29/24 09:45	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			04/29/24 09:45	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			04/29/24 09:45	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			04/29/24 09:45	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			04/29/24 09:45	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			04/29/24 09:45	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			04/29/24 09:45	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			04/29/24 09:45	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			04/29/24 09:45	1
1,4-Dioxane	18	U	18	0.30	ug/m3			04/29/24 09:45	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			04/29/24 09:45	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			04/29/24 09:45	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			04/29/24 09:45	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			04/29/24 09:45	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			04/29/24 09:45	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			04/29/24 09:45	1
Acetone	12	U	12	3.8	ug/m3			04/29/24 09:45	1
Benzene	0.64	U	0.64	0.14	ug/m3			04/29/24 09:45	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			04/29/24 09:45	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			04/29/24 09:45	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			04/29/24 09:45	1
Bromoform	2.1	U	2.1	1.2	ug/m3			04/29/24 09:45	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			04/29/24 09:45	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			04/29/24 09:45	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			04/29/24 09:45	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			04/29/24 09:45	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			04/29/24 09:45	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			04/29/24 09:45	1
Chloroform	0.98	U	0.98	0.20	ug/m3			04/29/24 09:45	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			04/29/24 09:45	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			04/29/24 09:45	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			04/29/24 09:45	1
Cumene	0.98	U	0.98	0.20	ug/m3			04/29/24 09:45	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			04/29/24 09:45	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			04/29/24 09:45	1
Dichlorodifluoromethane	2.5	U	2.5	0.54	ug/m3			04/29/24 09:45	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			04/29/24 09:45	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			04/29/24 09:45	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			04/29/24 09:45	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			04/29/24 09:45	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-203529/4
Matrix: Air
Analysis Batch: 203529

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			04/29/24 09:45	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			04/29/24 09:45	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			04/29/24 09:45	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			04/29/24 09:45	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			04/29/24 09:45	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			04/29/24 09:45	1
n-Butane	1.2	U	1.2	0.48	ug/m3			04/29/24 09:45	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			04/29/24 09:45	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			04/29/24 09:45	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			04/29/24 09:45	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			04/29/24 09:45	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			04/29/24 09:45	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			04/29/24 09:45	1
Styrene	0.85	U	0.85	0.25	ug/m3			04/29/24 09:45	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			04/29/24 09:45	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			04/29/24 09:45	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			04/29/24 09:45	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			04/29/24 09:45	1
Toluene	0.75	U	0.75	0.23	ug/m3			04/29/24 09:45	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			04/29/24 09:45	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			04/29/24 09:45	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			04/29/24 09:45	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			04/29/24 09:45	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			04/29/24 09:45	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			04/29/24 09:45	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			04/29/24 09:45	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			04/29/24 09:45	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			04/29/24 09:45	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			04/29/24 09:45	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			04/29/24 09:45	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			04/29/24 09:45	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			04/29/24 09:45	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			04/29/24 09:45	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			04/29/24 09:45	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			04/29/24 09:45	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			04/29/24 09:45	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			04/29/24 09:45	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			04/29/24 09:45	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			04/29/24 09:45	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			04/29/24 09:45	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			04/29/24 09:45	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			04/29/24 09:45	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			04/29/24 09:45	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			04/29/24 09:45	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			04/29/24 09:45	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			04/29/24 09:45	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			04/29/24 09:45	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-203529/4
Matrix: Air
Analysis Batch: 203529

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			04/29/24 09:45	1
Acetone	5.0	U	5.0	1.6	ppb v/v			04/29/24 09:45	1
Benzene	0.20	U	0.20	0.044	ppb v/v			04/29/24 09:45	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			04/29/24 09:45	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			04/29/24 09:45	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			04/29/24 09:45	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			04/29/24 09:45	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			04/29/24 09:45	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			04/29/24 09:45	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			04/29/24 09:45	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			04/29/24 09:45	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			04/29/24 09:45	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			04/29/24 09:45	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			04/29/24 09:45	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			04/29/24 09:45	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			04/29/24 09:45	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			04/29/24 09:45	1
Cumene	0.20	U	0.20	0.041	ppb v/v			04/29/24 09:45	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			04/29/24 09:45	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			04/29/24 09:45	1
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			04/29/24 09:45	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			04/29/24 09:45	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			04/29/24 09:45	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			04/29/24 09:45	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			04/29/24 09:45	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			04/29/24 09:45	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			04/29/24 09:45	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			04/29/24 09:45	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			04/29/24 09:45	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			04/29/24 09:45	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			04/29/24 09:45	1
n-Butane	0.50	U	0.50	0.20	ppb v/v			04/29/24 09:45	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			04/29/24 09:45	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			04/29/24 09:45	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			04/29/24 09:45	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			04/29/24 09:45	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			04/29/24 09:45	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			04/29/24 09:45	1
Styrene	0.20	U	0.20	0.059	ppb v/v			04/29/24 09:45	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			04/29/24 09:45	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			04/29/24 09:45	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			04/29/24 09:45	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			04/29/24 09:45	1
Toluene	0.20	U	0.20	0.062	ppb v/v			04/29/24 09:45	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			04/29/24 09:45	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			04/29/24 09:45	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			04/29/24 09:45	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			04/29/24 09:45	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-203529/4
Matrix: Air
Analysis Batch: 203529

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			04/29/24 09:45	1

Lab Sample ID: LCS 200-203529/3
Matrix: Air
Analysis Batch: 203529

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	54.6	46.9		ug/m3		86	72 - 127
1,1,2,2-Tetrachloroethane	68.6	62.1		ug/m3		90	74 - 126
1,1,2-Trichloroethane	54.6	48.0		ug/m3		88	75 - 126
1,1,2-Trichlorotrifluoroethane	76.6	62.2		ug/m3		81	70 - 121
1,1-Dichloroethane	40.5	33.3		ug/m3		82	66 - 130
1,1-Dichloroethene	39.6	32.6		ug/m3		82	68 - 120
1,2,4-Trichlorobenzene	74.2	77.4		ug/m3		104	50 - 150
1,2,4-Trimethylbenzene	49.2	47.6		ug/m3		97	71 - 129
1,2-Dibromoethane	76.8	68.2		ug/m3		89	78 - 122
1,2-Dichlorobenzene	60.1	57.1		ug/m3		95	68 - 129
1,2-Dichloroethane	40.5	35.3		ug/m3		87	68 - 135
1,2-Dichloropropane	46.2	39.3		ug/m3		85	69 - 128
1,2-Dichlorotetrafluoroethane	69.9	60.4		ug/m3		86	71 - 141
1,3,5-Trimethylbenzene	49.2	46.5		ug/m3		95	72 - 126
1,3-Butadiene	22.1	19.0		ug/m3		86	58 - 139
1,3-Dichlorobenzene	60.1	56.3		ug/m3		94	69 - 131
1,4-Dichlorobenzene	60.1	57.4		ug/m3		96	67 - 132
1,4-Dioxane	36.0	32.5		ug/m3		90	66 - 129
2,2,4-Trimethylpentane	46.7	41.4		ug/m3		89	68 - 131
2-Chlorotoluene	51.8	48.3		ug/m3		93	74 - 126
3-Chloropropene	31.3	27.2		ug/m3		87	50 - 150
4-Ethyltoluene	49.2	47.2		ug/m3		96	75 - 129
4-Isopropyltoluene	54.9	52.6		ug/m3		96	68 - 130
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	36.7		ug/m3		90	58 - 144
Acetone	23.7	20.7		ug/m3		87	54 - 154
Benzene	31.9	27.2		ug/m3		85	73 - 119
Benzyl chloride	51.8	54.0		ug/m3		104	60 - 136
Bromodichloromethane	67.0	59.6		ug/m3		89	75 - 127
Bromoethene(Vinyl Bromide)	43.7	38.5		ug/m3		88	75 - 125
Bromoform	103	107		ug/m3		103	53 - 149
Bromomethane	38.8	32.9		ug/m3		85	72 - 124
Carbon disulfide	31.1	25.9		ug/m3		83	71 - 138
Carbon tetrachloride	62.9	55.7		ug/m3		89	71 - 133
Chlorobenzene	46.0	40.3		ug/m3		88	76 - 119
Chlorodifluoromethane	35.4	31.5		ug/m3		89	60 - 147
Chloroethane	26.4	22.2		ug/m3		84	68 - 130
Chloroform	48.8	41.2		ug/m3		84	73 - 124
Chloromethane	20.6	18.0		ug/m3		87	56 - 141
cis-1,2-Dichloroethene	39.6	32.7		ug/m3		83	72 - 121
cis-1,3-Dichloropropene	45.4	43.5		ug/m3		96	74 - 125
Cumene	49.1	45.9		ug/m3		93	73 - 123

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-203529/3
Matrix: Air
Analysis Batch: 203529

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyclohexane	34.4	30.1		ug/m3		87	76 - 124
Dibromochloromethane	85.2	79.0		ug/m3		93	73 - 125
Dichlorodifluoromethane	49.4	42.2		ug/m3		85	61 - 142
Ethylbenzene	43.4	39.2		ug/m3		90	74 - 122
Hexachlorobutadiene	107	105		ug/m3		98	58 - 130
Isopropyl alcohol	24.6	23.7		ug/m3		96	53 - 142
m,p-Xylene	86.8	79.2		ug/m3		91	76 - 121
Methyl Butyl Ketone (2-Hexanone)	41.0	38.6		ug/m3		94	57 - 143
Methyl Ethyl Ketone (2-Butanone)	29.5	25.4		ug/m3		86	72 - 124
Methyl methacrylate	40.9	36.6		ug/m3		89	73 - 129
Methyl tert-butyl ether	36.0	32.2		ug/m3		89	70 - 127
Methylene Chloride	34.7	28.8		ug/m3		83	59 - 137
Naphthalene	52.4	59.0		ug/m3		113	50 - 150
n-Butane	23.8	20.2		ug/m3		85	53 - 151
n-Butylbenzene	54.9	55.4		ug/m3		101	65 - 137
n-Heptane	41.0	36.6		ug/m3		89	60 - 142
n-Hexane	35.2	28.5		ug/m3		81	63 - 138
n-Propylbenzene	49.1	46.3		ug/m3		94	73 - 127
o-Xylene	43.4	39.9		ug/m3		92	73 - 123
sec-Butylbenzene	54.9	52.7		ug/m3		96	70 - 128
Styrene	42.6	40.5		ug/m3		95	74 - 125
tert-Butyl alcohol	30.3	26.0		ug/m3		86	66 - 132
tert-Butylbenzene	54.9	51.7		ug/m3		94	71 - 125
Tetrachloroethene	67.8	58.2		ug/m3		86	70 - 125
Tetrahydrofuran	29.5	26.3		ug/m3		89	60 - 149
Toluene	37.7	33.7		ug/m3		89	75 - 122
trans-1,2-Dichloroethene	39.6	33.9		ug/m3		86	69 - 137
trans-1,3-Dichloropropene	45.4	41.5		ug/m3		91	74 - 128
Trichloroethene	53.7	45.4		ug/m3		85	73 - 122
Trichlorofluoromethane	56.2	48.8		ug/m3		87	70 - 129
Vinyl chloride	25.6	21.4		ug/m3		84	61 - 135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	10	8.59		ppb v/v		86	72 - 127
1,1,2,2-Tetrachloroethane	10	9.05		ppb v/v		90	74 - 126
1,1,2-Trichloroethane	10	8.79		ppb v/v		88	75 - 126
1,1,2-Trichlorotrifluoroethane	10	8.11		ppb v/v		81	70 - 121
1,1-Dichloroethane	10	8.23		ppb v/v		82	66 - 130
1,1-Dichloroethene	10	8.23		ppb v/v		82	68 - 120
1,2,4-Trichlorobenzene	10	10.4		ppb v/v		104	50 - 150
1,2,4-Trimethylbenzene	10	9.68		ppb v/v		97	71 - 129
1,2-Dibromoethane	10	8.87		ppb v/v		89	78 - 122
1,2-Dichlorobenzene	10	9.50		ppb v/v		95	68 - 129
1,2-Dichloroethane	10	8.73		ppb v/v		87	68 - 135
1,2-Dichloropropane	10	8.49		ppb v/v		85	69 - 128
1,2-Dichlorotetrafluoroethane	10	8.65		ppb v/v		86	71 - 141
1,3,5-Trimethylbenzene	10	9.45		ppb v/v		95	72 - 126

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-203529/3
Matrix: Air
Analysis Batch: 203529

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Butadiene	10	8.58		ppb v/v		86	58 - 139
1,3-Dichlorobenzene	10	9.36		ppb v/v		94	69 - 131
1,4-Dichlorobenzene	10	9.55		ppb v/v		96	67 - 132
1,4-Dioxane	10	9.03		ppb v/v		90	66 - 129
2,2,4-Trimethylpentane	10	8.86		ppb v/v		89	68 - 131
2-Chlorotoluene	10	9.32		ppb v/v		93	74 - 126
3-Chloropropene	10	8.70		ppb v/v		87	50 - 150
4-Ethyltoluene	10	9.59		ppb v/v		96	75 - 129
4-Isopropyltoluene	10	9.59		ppb v/v		96	68 - 130
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	8.96		ppb v/v		90	58 - 144
Acetone	10	8.72		ppb v/v		87	54 - 154
Benzene	10	8.51		ppb v/v		85	73 - 119
Benzyl chloride	10	10.4		ppb v/v		104	60 - 136
Bromodichloromethane	10	8.89		ppb v/v		89	75 - 127
Bromoethene(Vinyl Bromide)	10	8.79		ppb v/v		88	75 - 125
Bromoform	10	10.3		ppb v/v		103	53 - 149
Bromomethane	10	8.48		ppb v/v		85	72 - 124
Carbon disulfide	10	8.32		ppb v/v		83	71 - 138
Carbon tetrachloride	10	8.86		ppb v/v		89	71 - 133
Chlorobenzene	10	8.75		ppb v/v		88	76 - 119
Chlorodifluoromethane	10	8.91		ppb v/v		89	60 - 147
Chloroethane	10	8.43		ppb v/v		84	68 - 130
Chloroform	10	8.43		ppb v/v		84	73 - 124
Chloromethane	10	8.73		ppb v/v		87	56 - 141
cis-1,2-Dichloroethene	10	8.26		ppb v/v		83	72 - 121
cis-1,3-Dichloropropene	10	9.58		ppb v/v		96	74 - 125
Cumene	10	9.33		ppb v/v		93	73 - 123
Cyclohexane	10	8.74		ppb v/v		87	76 - 124
Dibromochloromethane	10	9.28		ppb v/v		93	73 - 125
Dichlorodifluoromethane	10	8.53		ppb v/v		85	61 - 142
Ethylbenzene	10	9.04		ppb v/v		90	74 - 122
Hexachlorobutadiene	10	9.84		ppb v/v		98	58 - 130
Isopropyl alcohol	10	9.64		ppb v/v		96	53 - 142
m,p-Xylene	20	18.2		ppb v/v		91	76 - 121
Methyl Butyl Ketone (2-Hexanone)	10	9.41		ppb v/v		94	57 - 143
Methyl Ethyl Ketone (2-Butanone)	10	8.62		ppb v/v		86	72 - 124
Methyl methacrylate	10	8.93		ppb v/v		89	73 - 129
Methyl tert-butyl ether	10	8.94		ppb v/v		89	70 - 127
Methylene Chloride	10	8.28		ppb v/v		83	59 - 137
Naphthalene	10	11.3		ppb v/v		113	50 - 150
n-Butane	10	8.48		ppb v/v		85	53 - 151
n-Butylbenzene	10	10.1		ppb v/v		101	65 - 137
n-Heptane	10	8.94		ppb v/v		89	60 - 142
n-Hexane	10	8.08		ppb v/v		81	63 - 138
n-Propylbenzene	10	9.43		ppb v/v		94	73 - 127
o-Xylene	10	9.18		ppb v/v		92	73 - 123

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-203529/3
Matrix: Air
Analysis Batch: 203529

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
sec-Butylbenzene	10	9.59		ppb v/v		96	70 - 128
Styrene	10	9.51		ppb v/v		95	74 - 125
tert-Butyl alcohol	10	8.59		ppb v/v		86	66 - 132
tert-Butylbenzene	10	9.42		ppb v/v		94	71 - 125
Tetrachloroethene	10	8.58		ppb v/v		86	70 - 125
Tetrahydrofuran	10	8.92		ppb v/v		89	60 - 149
Toluene	10	8.93		ppb v/v		89	75 - 122
trans-1,2-Dichloroethene	10	8.56		ppb v/v		86	69 - 137
trans-1,3-Dichloropropene	10	9.14		ppb v/v		91	74 - 128
Trichloroethene	10	8.45		ppb v/v		85	73 - 122
Trichlorofluoromethane	10	8.69		ppb v/v		87	70 - 129
Vinyl chloride	10	8.36		ppb v/v		84	61 - 135

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Air - GC/MS VOA

Analysis Batch: 203529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219161-1	SGMP-1-041824	Total/NA	Air	TO-15	
480-219161-1 - DL	SGMP-1-041824	Total/NA	Air	TO-15	
480-219161-2	SGMP-2-041824	Total/NA	Air	TO-15	
480-219161-2 - DL	SGMP-2-041824	Total/NA	Air	TO-15	
480-219161-3	X-1-041824	Total/NA	Air	TO-15	
480-219161-3 - DL	X-1-041824	Total/NA	Air	TO-15	
480-219161-4	AA-041824	Total/NA	Air	TO-15	
MB 200-203529/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-203529/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219161-1

Client Sample ID: SGMP-1-041824
Lab Sample ID: 480-219161-1
Date Collected: 04/18/24 14:06
Matrix: Air
Date Received: 04/23/24 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	203529	K1P	EET BUR	04/30/24 00:07
Total/NA	Analysis	TO-15	DL	5	203529	K1P	EET BUR	04/30/24 00:58

Client Sample ID: SGMP-2-041824
Lab Sample ID: 480-219161-2
Date Collected: 04/18/24 18:00
Matrix: Air
Date Received: 04/23/24 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		10.02	203529	K1P	EET BUR	04/30/24 01:49
Total/NA	Analysis	TO-15	DL	50.1	203529	K1P	EET BUR	04/30/24 02:40

Client Sample ID: X-1-041824
Lab Sample ID: 480-219161-3
Date Collected: 04/18/24 00:00
Matrix: Air
Date Received: 04/23/24 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		9.96	203529	K1P	EET BUR	04/30/24 03:31
Total/NA	Analysis	TO-15	DL	60.4	203529	K1P	EET BUR	04/30/24 04:23

Client Sample ID: AA-041824
Lab Sample ID: 480-219161-4
Date Collected: 04/18/24 17:10
Matrix: Air
Date Received: 04/23/24 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	203529	K1P	EET BUR	04/30/24 05:14

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Laboratory: Eurofins Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	4-Ethyltoluene
TO-15		Air	4-Isopropyltoluene
TO-15		Air	Chlorodifluoromethane
TO-15		Air	Methyl Butyl Ketone (2-Hexanone)
TO-15		Air	n-Butane
TO-15		Air	n-Butylbenzene
TO-15		Air	n-Propylbenzene
TO-15		Air	sec-Butylbenzene
TO-15		Air	tert-Butylbenzene
TO-15		Air	Tetrahydrofuran

Method Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219161-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-219161-1	SGMP-1-041824	Air	04/18/24 14:06	04/23/24 10:20	Air Canister (6-Liter) #5064
480-219161-2	SGMP-2-041824	Air	04/18/24 18:00	04/23/24 10:20	Air Canister (6-Liter) #3217
480-219161-3	X-1-041824	Air	04/18/24 00:00	04/23/24 10:20	Air Canister (6-Liter) #2864
480-219161-4	AA-041824	Air	04/18/24 17:10	04/23/24 10:20	Air Canister (6-Liter) #2637

Eurofins TestAmerica, Burlington
30 Community Drive, Suite 11
Burlington, Vermont, 05403-6809
802-660-1990

Albany #224

Canister Samples Chain of Custody Record

Eurofins Burlington, assumes no liability with respect to the collection and shipment of these samples

eurofins Environment Testing America

Eurofins Burlington

Client Contact Information	**Client Project Manager:** Rebecca McDonald	**Samples Collected By:** Robert Hornung Emily Downs
Company Name Ramboll	**PM Phone/ Email:** (603) 686-0638 / rebecca.mcdonald@ramboll.com	
Address 94 New Karner Rd Ste. 106	**Site Contacts:** Robert Hornung, Paul D'Annibale, Vic Maietta	
City/State/Zip: Albany, NY 12203	**Site Contact emails:** robert.hornung@ramboll.com, paul dannibale@ramboll com, vic.maietta@ramboll.com	
Phone 518-724-7272	**ELLE Contact: John Schove**	
FAX. Not Applicable	**Tel/Fax: 716-504-9838**	
Project Name NYSDEC Silvestri Dry Cleaners SC - Soil Gas Sampling	**Analysis Turnaround Time**	
Site/Location Colonie, NY	Standard (Specific). Normal TAT	
PO #: To Be Determined	Rush (Specifiy):	

1 of 1 COCs

TALS Project #:

For Lab Use Only:

Walk-in Client:

Lab Sampling:

Job / SDG No.

(See below for Add'l Items)

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 (Standard)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
SGMP-1-041824	4/18/2024	1042	4/18/2024	1406	-29.0	-3 5	5175	5064	X										X				
SGMP-2-041824	4/18/2024	1035	4/18/2024	1800	-30.0	-6.0	2758	3217	X										X				
X-1-041824	4/18/2024	---	4/18/2024	---	-26 5	-7.5	4503	2864	X										X				
AA-041824	4/18/2024	1038	4/18/2024	1710	-28.5	-4 0	8859	2637	X								X						

Temperature (Fahrenheit)		
	Interior	Ambient
Start	Not Applicable	47
Stop	Not Applicable	48

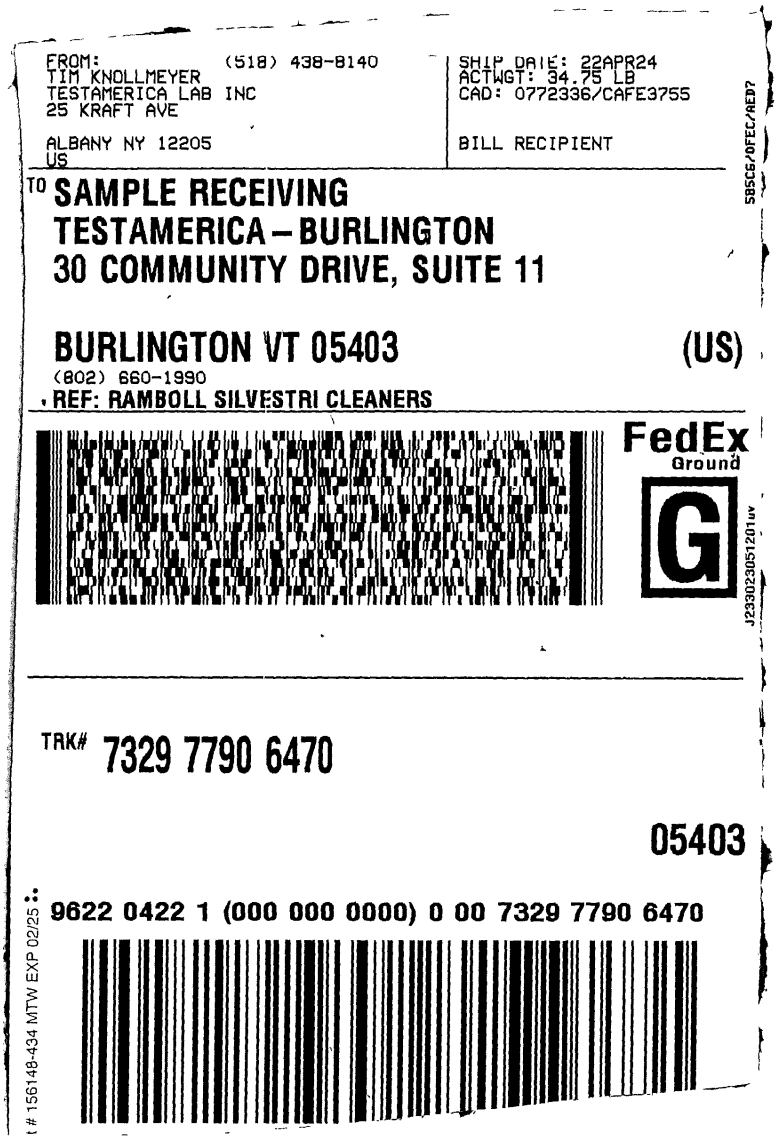
Pressure (inches of Hg)		
	Interior	Ambient
Start	Not Applicable	30.13
Stop	Not Applicable	30 16

480-219161 Chain of Custody

Special Instructions/QC Requirements & Comments: 1) NYSDEC full ASP category B data package and 4-file format EDD in the NYSDEC format.

Samples Shipped by:	**Date / Time:**	**Samples Received by:**
Samples Relinquished by: Emily Downs	**Date / Time:** 4/19/24 / 500	**Received by:**
Relinquished by: Tim Knollmeyer	**Date / Time:** 4-22-24 1500	**Received by:** FEDEX 4/23/24 1020
Lab Use Only: **Shipper Name:**	**Opened by:**	**Condition:**

Form No. CA-C-WI-003, Rev. 2.25, dated 10/6/2020



FROM: (518) 438-8140
TIM KNOLLMEYER
TESTAMERICA LAB INC
25 KRAFT AVE

ALBANY NY 12205
US

SHIP DATE: 22APR24
ACTWGT: 34.75 LB
CAD: 0772336/CAFE3755

BILL RECIPIENT

585CG/0FEC/AED7

TO SAMPLE RECEIVING
TESTAMERICA – BURLINGTON
30 COMMUNITY DRIVE, SUITE 11

BURLINGTON VT 05403 (US)
(802) 660-1990
REF: RAMBOLL SILVESTRI CLEANERS

FedEx Ground

J23302305120 1uv

TRK# 7329 7790 6470

05403

9622 0422 1 (000 000 0000) 0 00 7329 7790 6470

156148-434 MTW EXP 02/25

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-219161-1

Login Number: 219161
List Number: 1
Creator: Muniz, Luca

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	NA: Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	N/A	No: Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	No: Thermal preservation not required
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	No: Thermal preservation not required
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.	N/A	
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.	True	
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.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Top Rack	10	25	3/19/2024	1530	23	23	SML III	6 liter	batch

						Initial Reading					Final Reading				
Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Gauge:	Date:	Time:	Tech:	Temp:	Gauge:	Date:	Time:	Tech:	Temp:
1	2637	-06	-06	0	30.1	G26	3/20/24	1519	←	22.0	G26	3/25/24	1402	←	24.0
2	4336		-06	0		G26					G26				
3	3217		-06	0		G26					G26				
4	3326		-06	0		G26					G26				
5	34001284		-06	0		G26					G26				
6	2864		-06	0		G26					G26				
7	5064		-06	0		G26					G26				
8	5127		-06	0		G26					G26				
9	4488		-06	0		G26					G26				
10	9268		-06	0		G26					G26				
11	4307	↓	-06	0	↓	G26	↓	↓	↓	↓	G26	↓	↓	↓	↓
12	2601	-06	-06	0	29.5	G26	3/25/24	1438	←	21.0	G26	4/1/24	1407	←	23.0

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL

				Inventory Level				Secondary Review		
Can ID	Date	Sequence	Analyst	1	2	3	4	Limited	Review Date	Review
2601	3/22/24	59585	CC		XXXXX				3/22/24	

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

NJVI

200-72685-A-12
2601
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 3/19/2024 12:00 AM 200-1862583

Loc: 200
72685
#12 A
Air-Storag

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-72685-1

SDG No.:

Client Sample ID: 2601 Lab Sample ID: 200-72685-12

Matrix: Air Lab File ID: 59585_006.D

Analysis Method: TO-15 Date Collected: 03/19/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/22/2024 11:03

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 202218 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.040	U	0.040	0.014
100-42-5	Styrene	0.040	U	0.040	0.012
10061-01-5	1,3-Dichloropropene, cis-	0.040	U	0.040	0.0090
10061-02-6	1,3-Dichloropropene, trans-	0.040	U	0.040	0.011
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.018
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.0084
106-99-0	1,3-Butadiene	0.040	U	0.040	0.0078
107-05-1	Allyl chloride	0.10	U	0.10	0.024
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.019
108-10-1	Methyl isobutyl ketone (MIBK)	0.10	U	0.10	0.026
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.0094
108-88-3	Toluene	0.040	U	0.040	0.012
108-90-7	Chlorobenzene	0.040	U	0.040	0.0088
109-99-9	Tetrahydrofuran	1.0	U	1.0	0.26
110-54-3	Hexane	0.10	U	0.10	0.022
110-82-7	Cyclohexane	0.040	U	0.040	0.012
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.066
123-91-1	1,4-Dioxane	0.040	U	0.040	0.016
124-48-1	Dibromochloromethane	0.040	U	0.040	0.013
127-18-4	Tetrachloroethene	0.0063	J	0.040	0.0042
142-82-5	n-Heptane	0.040	U	0.040	0.011
156-59-2	1,2-Dichloroethene, cis-	0.040	U	0.040	0.0042
156-60-5	1,2-Dichloroethene, trans-	0.040	U	0.040	0.0046
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.0072
179601-23-1	m,p-Xylene	0.10	U	0.10	0.019
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.0076
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.015
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.0044
593-60-2	Vinyl bromide	0.040	U	0.040	0.010
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.0098
64-17-5	Ethanol	1.0	U	1.0	0.52
67-63-0	Isopropanol	1.0	U	1.0	0.32
67-64-1	Acetone	1.0	U	1.0	0.32
67-66-3	Chloroform	0.040	U	0.040	0.0082

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-72685-1

SDG No.:

Client Sample ID: 2601 Lab Sample ID: 200-72685-12

Matrix: Air Lab File ID: 59585_006.D

Analysis Method: TO-15 Date Collected: 03/19/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 03/22/2024 11:03

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 202218 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	0.040	U	0.040	0.0088
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.0088
74-83-9	Bromomethane	0.040	U	0.040	0.014
74-87-3	Chloromethane	0.10	U	0.10	0.030
75-00-3	Chloroethane	0.10	U	0.10	0.036
75-01-4	Vinyl chloride	0.040	U	0.040	0.0042
75-09-2	Methylene Chloride	0.10	U	0.10	0.036
75-15-0	Carbon disulfide	0.10	U	0.10	0.026
75-25-2	Bromoform	0.040	U	0.040	0.024
75-27-4	Bromodichloromethane	0.040	U	0.040	0.010
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.0050
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.0052
75-65-0	tert-Butyl alcohol	1.0	U	1.0	0.24
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.010
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.022
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.040	U	0.040	0.011
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.0096
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.019
78-93-3	Methyl ethyl ketone (MEK)	0.10	U	0.10	0.098
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.015
79-01-6	Trichloroethene	0.040	U	0.040	0.0050
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.0086
80-62-6	Methyl methacrylate	0.10	U	0.10	0.028
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.022
91-20-3	Naphthalene	0.10	U	0.10	0.060
95-47-6	Xylene, o-	0.040	U	0.040	0.013
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.0092
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.013
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.016
591-78-6	2-Hexanone	0.10	U	0.10	0.030

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20240322-59585.b\59585_006.D
Lims ID: 200-72685-A-12
Client ID: 2601
Sample Type: Client
Inject. Date: 22-Mar-2024 11:03:37 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0059585-006
Misc. Info.: 72685-12
Operator ID: wrd Instrument ID: CHAN.i

Method: \\chromfs\Burlington\ChromData\CHAN.i\20240322-59585.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 22-Mar-2024 09:48:58 Calib Date: 15-Feb-2024 23:57:24
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20240215-59096.b\59096_013.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: BKZ7 Date: 22-Mar-2024 12:14:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85		4.487				ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.850				ND	
5 Chloromethane	50		4.974				ND	7
6 Vinyl chloride	62		5.273				ND	
8 Butadiene	54		5.391				ND	
9 Bromomethane	94		6.113				ND	
10 Chloroethane	64		6.386				ND	
13 Vinyl bromide	106		6.808				ND	
14 Trichlorofluoromethane	101		6.974				ND	
16 Ethanol	45		7.365				ND	
20 1,1-Dichloroethene	96		8.039				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.071				ND	
22 Acetone	43		8.119				ND	7
23 Isopropyl alcohol	45		8.419				ND	
24 Carbon disulfide	76		8.440				ND	7
26 3-Chloro-1-propene	41		8.734				ND	
27 Methylene Chloride	49		8.970				ND	7
28 2-Methyl-2-propanol	59		9.178				ND	
30 trans-1,2-Dichloroethene	61		9.462				ND	
31 Methyl tert-butyl ether	73		9.467				ND	
32 Hexane	57		9.970				ND	
33 1,1-Dichloroethane	63		10.238				ND	
36 2-Butanone (MEK)	72		11.206				ND	
37 cis-1,2-Dichloroethene	96		11.233				ND	
* 39 Chlorobromomethane	128	11.645	11.645	0.000	94	144760	10.0	
40 Tetrahydrofuran	42		11.682				ND	
41 Chloroform	83		11.821				ND	
42 1,1,1-Trichloroethane	97		12.126				ND	
43 Cyclohexane	84		12.260				ND	
44 Carbon tetrachloride	117		12.399				ND	
45 Benzene	78		12.752				ND	7

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	46 1,2-Dichloroethane	62		12.827				ND	
	47 Isooctane	57		12.966				ND	
	48 n-Heptane	43		13.271				ND	7
*	49 1,4-Difluorobenzene	114	13.480	13.485	-0.005	98	755696	10.0	
	51 Trichloroethene	95		13.918				ND	
	53 1,2-Dichloropropane	63		14.378				ND	
	54 Methyl methacrylate	69		14.459				ND	
	55 1,4-Dioxane	88		14.501				ND	
	58 Dichlorobromomethane	83		14.844				ND	
	59 cis-1,3-Dichloropropene	75		15.646				ND	
	61 4-Methyl-2-pentanone (MIBK)	43		15.908				ND	
	62 Toluene	92		16.283				ND	
	66 trans-1,3-Dichloropropene	75		16.700				ND	
	67 1,1,2-Trichloroethane	83		17.075				ND	
	68 Tetrachloroethene	166	17.262	17.263	-0.005	60	1128	0.0316	
	69 2-Hexanone	43		17.481				ND	
	70 Chlorodibromomethane	129		17.808				ND	
	71 Ethylene Dibromide	107		18.048				ND	
*	73 Chlorobenzene-d5	117	18.958	18.963	-0.005	94	654648	10.0	
	74 Chlorobenzene	112		19.017				ND	
	75 Ethylbenzene	91		19.209				ND	
	76 m-Xylene & p-Xylene	106		19.471				ND	
	78 o-Xylene	106		20.242				ND	
	79 Styrene	104		20.274				ND	
	81 Bromoform	173		20.611				ND	
	83 1,1,2,2-Tetrachloroethane	83		21.429				ND	7
	86 2-Chlorotoluene	91		21.766				ND	
	87 4-Ethyltoluene	105		21.815				ND	
	88 1,3,5-Trimethylbenzene	105		21.906				ND	
	92 1,2,4-Trimethylbenzene	105		22.473				ND	
	94 1,3-Dichlorobenzene	146		22.879				ND	7
	96 1,4-Dichlorobenzene	146		23.018				ND	7
	99 1,2-Dichlorobenzene	146		23.516				ND	7
	102 1,2,4-Trichlorobenzene	180		25.977				ND	
	103 Hexachlorobutadiene	225		26.223				ND	
	104 Naphthalene	128		26.464				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15CISs_00012 Amount Added: 20.00 Units: mL Run Reagent

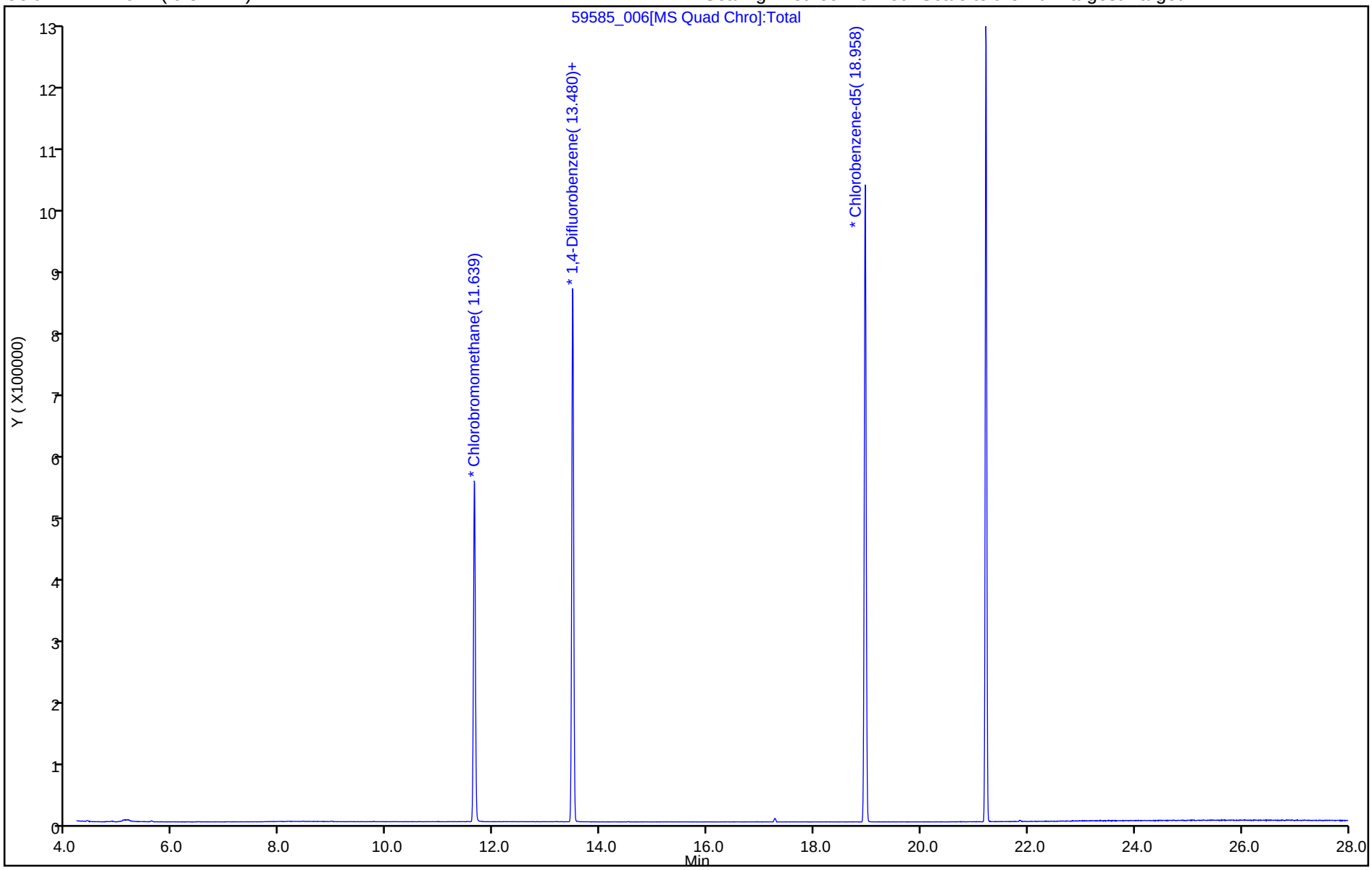
Report Date: 22-Mar-2024 12:14:35 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20240322-59585.b\59585_006.D

Injection Date:	22-Mar-2024 11:03:37	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	200-72685-A-12	Lab Sample ID:	200-72685-12	Worklist Smp#:	6
Client ID:	2601				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	0
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 22-Mar-2024 12:14:35 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20240322-59585.b\59585_006.D

Injection Date: 22-Mar-2024 11:03:37 Instrument ID: CHAN.i

Lims ID: 200-72685-A-12 Lab Sample ID: 200-72685-12

Client ID: 2601

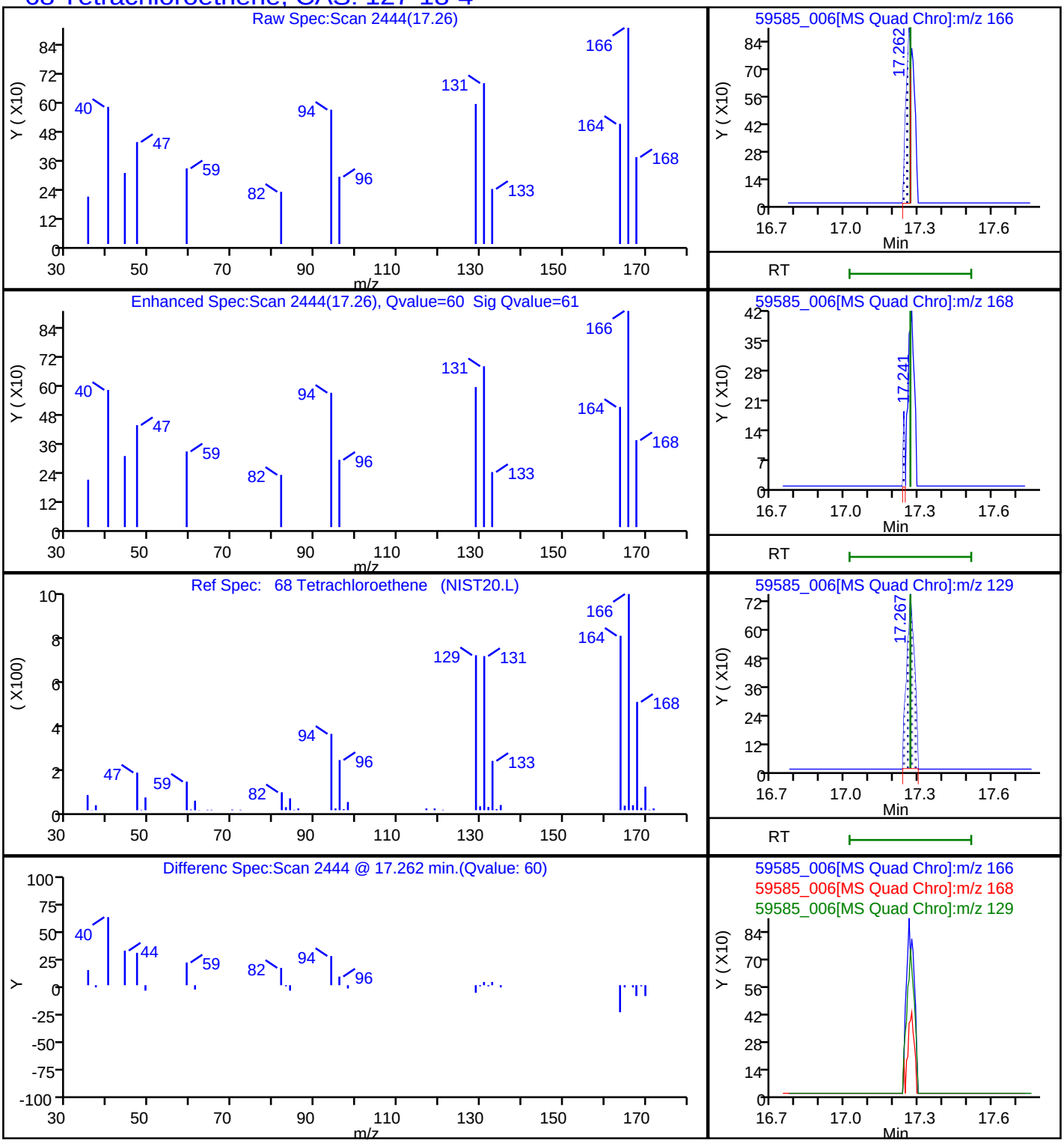
Operator ID: wrd ALS Bottle#: 0 Worklist Smp#: 6

Purge Vol: 200.000 mL Dil. Factor: 0.2000

Method: TO15_TO3_Master_Method_AN Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm) Detector MS SCAN

68 Tetrachloroethene, CAS: 127-18-4



Summa Canister Dilution Worksheet

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job No.: 480-219161-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
480-219161-2	6	-4.3	0.86	5.14	38.9	3.65	21.88		4.26	4.26	G20	04/29/24 12:39	TPB
480-219161-3	6	-4.3	0.86	5.14	42.3	3.88	23.27		4.53	4.53	G20	04/29/24 12:39	TPB

Formulae:

Preadjusted Volume (L) = ((Preadjusted Pressure ("Hg) + 29.92 "Hg) * Vol L) / 29.92 "Hg
Adjusted Volume (L) = ((Adjusted Pressure (psig) + 14.7 psig)* Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Rebecca McDonald
Ramboll Americas Engineering Solutions
94 New Karner Road
Suite 106
Albany, New York 12203

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JOB DESCRIPTION

NYSDEC - Silvestri Dry Cleaners Site
480-219561-1

JOB NUMBER

480-219561-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

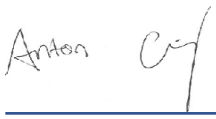
my EOL

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*3	ISTD response or retention time outside acceptable limits.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
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.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
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	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

Job Narrative
480-219561-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- 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 may be 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.

Receipt
The samples were received on 5/7/2024 10:00 AM and 5/8/2024 10:00 AM. 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 3.5°C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) for preparation batch 480-711075 and analytical batch 480-711076 recovered outside control limits for the following analyte: Acetone. This analyte was biased high in the LCS and was not detected above the reporting limit in the associated samples; therefore, the data have been reported. The associated samples are: SB-01-6.5-7.0-050624 (480-219561-1) and SB-01-40.0-40.5-050624 (480-219561-2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-711076 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane, 2-Butanone (MEK), Cyclohexane and Trichlorofluoromethane. The samples associated with this CCV were non-detects above the reporting limits for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SB-01-6.5-7.0-050624 (480-219561-1) and SB-01-40.0-40.5-050624 (480-219561-2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-711076 recovered outside acceptance criteria, low biased, for Chlorodibromomethane, trans-1,3-Dichloropropene and 1,2-Dibromoethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analytes, the data are reported. The associated samples are impacted: SB-01-6.5-7.0-050624 (480-219561-1) and SB-01-40.0-40.5-050624 (480-219561-2).

Method 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: SB-09-4.5-5.0-050724 (480-219611-3) and SB-09-11.2-11.7-050724 (480-219611-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-711243 recovered above the upper control limit for 2-Butanone (MEK) and Methylene Chloride. The sample(s) associated with this CCV were non-detects above the reporting limits for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SB-07-21.0-21.5-050724 (480-219611-1) and SB-07-45.0-45.5-050724 (480-219611-2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-711243 recovered outside acceptance criteria, low biased, for Dibromochloromethane and trans-1,3-Dichloropropene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated sample(s) were non-detect for the analytes, the data are reported. The associated samples are: SB-07-21.0-21.5-050724 (480-219611-1) and SB-07-45.0-45.5-050724 (480-219611-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides

Job ID: 480-219561-1 (Continued) Eurofins Buffalo

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS
Method 1633_B24: In preparation batch 280-653716, the following sample was received with about 5 mL of water on top of the soil sample: SB-07-21.0-21.5-050724 (480-219611-1). Method 1633_Shake/ 1633_B24.

Method 1633_B24: The method blank for preparation batch 280-653716 contained Perfluorooctanesulfonic acid (PFOS) above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

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: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

Client Sample ID: SB-01-6.5-7.0-050624 — Lab Sample ID: 480-219561-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.1		4.1	1.9	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	2.9	J	4.1	0.55	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-01-40.0-40.5-050624 — Lab Sample ID: 480-219561-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.7	J *+	23	3.8	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-07-21.0-21.5-050724 — Lab Sample ID: 480-219611-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.0	J	20	3.4	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	8.2		4.1	0.55	ug/Kg	1	☼	8260C	Total/NA
Aluminum	4950		12.8	5.6	mg/Kg	1	☼	6010D	Total/NA
Antimony	0.63	J	19.2	0.51	mg/Kg	1	☼	6010D	Total/NA
Arsenic	1.6	J	2.6	0.51	mg/Kg	1	☼	6010D	Total/NA
Barium	15.3		0.64	0.14	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.27		0.26	0.036	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.060	J	0.26	0.038	mg/Kg	1	☼	6010D	Total/NA
Calcium	25200	B	63.9	4.2	mg/Kg	1	☼	6010D	Total/NA
Chromium	6.9		0.64	0.26	mg/Kg	1	☼	6010D	Total/NA
Cobalt	4.3		0.64	0.064	mg/Kg	1	☼	6010D	Total/NA
Copper	9.9		1.3	0.27	mg/Kg	1	☼	6010D	Total/NA
Iron	10300	B	12.8	4.5	mg/Kg	1	☼	6010D	Total/NA
Lead	4.2		1.3	0.31	mg/Kg	1	☼	6010D	Total/NA
Magnesium	7710		25.6	1.2	mg/Kg	1	☼	6010D	Total/NA
Manganese	303	B	0.26	0.041	mg/Kg	1	☼	6010D	Total/NA
Nickel	9.1		6.4	0.29	mg/Kg	1	☼	6010D	Total/NA
Potassium	1180		38.4	25.6	mg/Kg	1	☼	6010D	Total/NA
Sodium	231		179	16.6	mg/Kg	1	☼	6010D	Total/NA
Vanadium	12.2		0.64	0.14	mg/Kg	1	☼	6010D	Total/NA
Zinc	22.8		2.6	0.82	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.013	J	0.026	0.0059	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-07-45.0-45.5-050724 — Lab Sample ID: 480-219611-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.9	J	19	3.2	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	1.7	J	3.8	0.51	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-09-4.5-5.0-050724 — Lab Sample ID: 480-219611-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	420		41	5.6	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-09-11.2-11.7-050724 — Lab Sample ID: 480-219611-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	520		61	8.3	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-09-21.0-21.5-050824 — Lab Sample ID: 480-219687-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	710		67	9.1	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

Client Sample ID: SB-09-33.5-34.0-050824 — Lab Sample ID: 480-219687-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.0	J *+	21	3.5	ug/Kg	1	☼	8260C	Total/NA
Aluminum	3530		13.4	5.9	mg/Kg	1	☼	6010D	Total/NA
Arsenic	1.9	J	2.7	0.54	mg/Kg	1	☼	6010D	Total/NA
Barium	13.4		0.67	0.15	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.19	J	0.27	0.038	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.071	J B	0.27	0.040	mg/Kg	1	☼	6010D	Total/NA
Calcium	15200	B	67.1	4.4	mg/Kg	1	☼	6010D	Total/NA
Chromium	4.5		0.67	0.27	mg/Kg	1	☼	6010D	Total/NA
Cobalt	2.7		0.67	0.067	mg/Kg	1	☼	6010D	Total/NA
Copper	6.0		1.3	0.28	mg/Kg	1	☼	6010D	Total/NA
Iron	6750		13.4	4.7	mg/Kg	1	☼	6010D	Total/NA
Lead	2.2		1.3	0.32	mg/Kg	1	☼	6010D	Total/NA
Magnesium	3750		26.8	1.2	mg/Kg	1	☼	6010D	Total/NA
Manganese	171	B	0.27	0.043	mg/Kg	1	☼	6010D	Total/NA
Nickel	5.8	J	6.7	0.31	mg/Kg	1	☼	6010D	Total/NA
Potassium	923		40.3	26.8	mg/Kg	1	☼	6010D	Total/NA
Selenium	0.58	J	5.4	0.54	mg/Kg	1	☼	6010D	Total/NA
Sodium	148	J	188	17.4	mg/Kg	1	☼	6010D	Total/NA
Vanadium	7.9		0.67	0.15	mg/Kg	1	☼	6010D	Total/NA
Zinc	15.7		2.7	0.86	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.0064	J	0.026	0.0061	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-11-4.5-5.0-050824 — Lab Sample ID: 480-219687-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	180		44	6.0	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-11-9.5-10.0-050824 — Lab Sample ID: 480-219687-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	44	J	110	30	ug/Kg	2	☼	8260C	Total/NA
Tetrachloroethene	2500		110	14	ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: SB-11-20.5-21-0-050824 — Lab Sample ID: 480-219687-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	6.0		4.9	0.65	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB-11-44.5-45.0-050824 — Lab Sample ID: 480-219687-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.1	J *+ F1 F2	26	4.4	ug/Kg	1	☼	8260C	Total/NA
Aluminum	26900		15.6	6.9	mg/Kg	1	☼	6010D	Total/NA
Arsenic	5.1		3.1	0.62	mg/Kg	1	☼	6010D	Total/NA
Barium	213		0.78	0.17	mg/Kg	1	☼	6010D	Total/NA
Beryllium	1.4		0.31	0.044	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.21	J B	0.31	0.047	mg/Kg	1	☼	6010D	Total/NA
Calcium	32200	B F1	78.1	5.2	mg/Kg	1	☼	6010D	Total/NA
Chromium	27.3		0.78	0.31	mg/Kg	1	☼	6010D	Total/NA
Cobalt	17.4		0.78	0.078	mg/Kg	1	☼	6010D	Total/NA
Copper	25.6		1.6	0.33	mg/Kg	1	☼	6010D	Total/NA
Iron	26700		15.6	5.5	mg/Kg	1	☼	6010D	Total/NA
Lead	13.0		1.6	0.37	mg/Kg	1	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: SB-11-44.5-45.0-050824 (Continued) — Lab Sample ID: 480-219687-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	11600	F1	31.2	1.4	mg/Kg	1	☼	6010D	Total/NA
Manganese	630	B F1	0.31	0.050	mg/Kg	1	☼	6010D	Total/NA
Nickel	34.9		7.8	0.36	mg/Kg	1	☼	6010D	Total/NA
Potassium	6490		46.9	31.2	mg/Kg	1	☼	6010D	Total/NA
Silver	0.31	J	0.94	0.31	mg/Kg	1	☼	6010D	Total/NA
Sodium	578	F1	219	20.3	mg/Kg	1	☼	6010D	Total/NA
Vanadium	44.5		0.78	0.17	mg/Kg	1	☼	6010D	Total/NA
Zinc	77.3	F1	3.1	1.0	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.028	J	0.031	0.0071	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DUP-01-050824 — Lab Sample ID: 480-219687-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	0.19	J	0.25	0.069	ug/Kg	1	☼	Draft 1633	Total/NA
Aluminum	4010		13.2	5.8	mg/Kg	1	☼	6010D	Total/NA
Arsenic	1.2	J	2.6	0.53	mg/Kg	1	☼	6010D	Total/NA
Barium	15.0		0.66	0.15	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.20	J	0.26	0.037	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.13	J B	0.26	0.040	mg/Kg	1	☼	6010D	Total/NA
Calcium	16600	B	65.9	4.4	mg/Kg	1	☼	6010D	Total/NA
Chromium	5.0		0.66	0.26	mg/Kg	1	☼	6010D	Total/NA
Cobalt	2.7		0.66	0.066	mg/Kg	1	☼	6010D	Total/NA
Copper	6.3		1.3	0.28	mg/Kg	1	☼	6010D	Total/NA
Iron	6820		13.2	4.6	mg/Kg	1	☼	6010D	Total/NA
Lead	2.1		1.3	0.32	mg/Kg	1	☼	6010D	Total/NA
Magnesium	4180		26.4	1.2	mg/Kg	1	☼	6010D	Total/NA
Manganese	172	B	0.26	0.042	mg/Kg	1	☼	6010D	Total/NA
Nickel	6.2	J	6.6	0.30	mg/Kg	1	☼	6010D	Total/NA
Potassium	1060		39.6	26.4	mg/Kg	1	☼	6010D	Total/NA
Sodium	160	J	185	17.1	mg/Kg	1	☼	6010D	Total/NA
Vanadium	8.2		0.66	0.15	mg/Kg	1	☼	6010D	Total/NA
Zinc	17.6		2.6	0.84	mg/Kg	1	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-01-6.5-7.0-050624
Date Collected: 05/06/24 10:25
Date Received: 05/07/24 10:00

Lab Sample ID: 480-219561-1
Matrix: Solid
Percent Solids: 76.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1	U	4.1	0.30	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,1,2,2-Tetrachloroethane	4.1	U	4.1	0.67	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U	4.1	0.94	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,1,2-Trichloroethane	4.1	U	4.1	0.53	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,1-Dichloroethane	4.1	U	4.1	0.50	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,1-Dichloroethene	4.1	U	4.1	0.50	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,2,4-Trichlorobenzene	4.1	U	4.1	0.25	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,2-Dibromo-3-Chloropropane	4.1	U	4.1	2.1	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,2-Dibromoethane	4.1	U	4.1	0.53	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,2-Dichlorobenzene	4.1	U	4.1	0.32	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,2-Dichloroethane	4.1	U	4.1	0.21	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,2-Dichloropropane	4.1	U	4.1	2.1	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,3-Dichlorobenzene	4.1	U	4.1	0.21	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
1,4-Dichlorobenzene	4.1	U	4.1	0.58	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
2-Butanone (MEK)	21	U	21	1.5	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.3	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Acetone	21	U *+	21	3.5	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Benzene	4.1	U	4.1	0.20	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Bromodichloromethane	4.1	U	4.1	0.55	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Bromoform	4.1	U	4.1	2.1	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Bromomethane	4.1	U	4.1	0.37	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Carbon disulfide	4.1	U	4.1	2.1	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Carbon tetrachloride	4.1	U	4.1	0.40	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Chlorobenzene	4.1	U	4.1	0.54	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Chloroethane	4.1	U	4.1	0.93	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Chloroform	4.1	U	4.1	0.25	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Chloromethane	4.1	U	4.1	0.25	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
cis-1,2-Dichloroethene	4.1	U	4.1	0.53	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
cis-1,3-Dichloropropene	4.1	U	4.1	0.59	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Cyclohexane	4.1	U	4.1	0.58	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Dibromochloromethane	4.1	U	4.1	0.53	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Dichlorodifluoromethane	4.1	U	4.1	0.34	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Ethylbenzene	4.1	U	4.1	0.28	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Isopropylbenzene	4.1	U	4.1	0.62	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Methyl acetate	21	U	21	2.5	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Methyl tert-butyl ether	4.1	U	4.1	0.40	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Methylcyclohexane	4.1	U	4.1	0.62	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Methylene Chloride	**5.1**		4.1	1.9	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Styrene	4.1	U	4.1	0.21	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Tetrachloroethene	**2.9**	**J**	4.1	0.55	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Toluene	4.1	U	4.1	0.31	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
trans-1,2-Dichloroethene	4.1	U	4.1	0.42	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
trans-1,3-Dichloropropene	4.1	U	4.1	1.8	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Trichloroethene	4.1	U	4.1	0.90	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Trichlorofluoromethane	4.1	U	4.1	0.39	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Vinyl chloride	4.1	U	4.1	0.50	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
Xylenes, Total	8.2	U	8.2	0.69	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1
m,p-Xylene	8.2	U	8.2	0.69	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1

Client Sample ID: SB-01-6.5-7.0-050624

Lab Sample ID: 480-219561-1
Date Collected: 05/06/24 10:25
Matrix: Solid
Date Received: 05/07/24 10:00
Percent Solids: 76.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	4.1	U	4.1	0.54	ug/Kg	☼	05/07/24 11:45	05/08/24 03:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*05/07/24 11:45*	*05/08/24 03:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*64 - 126*	*05/07/24 11:45*	*05/08/24 03:24*	*1*
4-Bromofluorobenzene (Surr)	*103*		*72 - 126*	*05/07/24 11:45*	*05/08/24 03:24*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*05/07/24 11:45*	*05/08/24 03:24*	*1*
Toluene-d8 (Surr)	*94*		*71 - 125*	*05/07/24 11:45*	*05/08/24 03:24*	*1*

Client Sample ID: SB-01-40.0-40.5-050624

Lab Sample ID: 480-219561-2
Date Collected: 05/06/24 13:30
Matrix: Solid
Date Received: 05/07/24 10:00
Percent Solids: 70.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U	4.5	0.33	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,1,2,2-Tetrachloroethane	4.5	U	4.5	0.74	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	4.5	1.0	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,1,2-Trichloroethane	4.5	U	4.5	0.59	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,1-Dichloroethane	4.5	U	4.5	0.55	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,1-Dichloroethene	4.5	U	4.5	0.56	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,2,4-Trichlorobenzene	4.5	U	4.5	0.28	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,2-Dibromo-3-Chloropropane	4.5	U	4.5	2.3	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,2-Dibromoethane	4.5	U	4.5	0.58	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,2-Dichlorobenzene	4.5	U	4.5	0.35	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,2-Dichloroethane	4.5	U	4.5	0.23	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,2-Dichloropropane	4.5	U	4.5	2.3	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,3-Dichlorobenzene	4.5	U	4.5	0.23	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
1,4-Dichlorobenzene	4.5	U	4.5	0.64	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Acetone	**5.7**	**J *+**	23	3.8	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Benzene	4.5	U	4.5	0.22	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Bromodichloromethane	4.5	U	4.5	0.61	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Bromoform	4.5	U	4.5	2.3	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Bromomethane	4.5	U	4.5	0.41	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Carbon disulfide	4.5	U	4.5	2.3	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Carbon tetrachloride	4.5	U	4.5	0.44	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Chlorobenzene	4.5	U	4.5	0.60	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Chloroethane	4.5	U	4.5	1.0	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Chloroform	4.5	U	4.5	0.28	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Chloromethane	4.5	U	4.5	0.27	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
cis-1,2-Dichloroethene	4.5	U	4.5	0.58	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
cis-1,3-Dichloropropene	4.5	U	4.5	0.65	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Cyclohexane	4.5	U	4.5	0.64	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Dibromochloromethane	4.5	U	4.5	0.58	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Dichlorodifluoromethane	4.5	U	4.5	0.37	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1

Client Sample ID: SB-01-40.0-40.5-050624
Lab Sample ID: 480-219561-2
Date Collected: 05/06/24 13:30
Matrix: Solid
Date Received: 05/07/24 10:00
Percent Solids: 70.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	4.5	U	4.5	0.31	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Isopropylbenzene	4.5	U	4.5	0.68	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Methyl acetate	23	U	23	2.7	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Methyl tert-butyl ether	4.5	U	4.5	0.45	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Methylcyclohexane	4.5	U	4.5	0.69	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Methylene Chloride	4.5	U	4.5	2.1	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Styrene	4.5	U	4.5	0.23	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Tetrachloroethene	4.5	U	4.5	0.61	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Toluene	4.5	U	4.5	0.34	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
trans-1,2-Dichloroethene	4.5	U	4.5	0.47	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
trans-1,3-Dichloropropene	4.5	U	4.5	2.0	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Trichloroethene	4.5	U	4.5	1.0	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Trichlorofluoromethane	4.5	U	4.5	0.43	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Vinyl chloride	4.5	U	4.5	0.55	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
Xylenes, Total	9.1	U	9.1	0.76	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
m,p-Xylene	9.1	U	9.1	0.76	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1
o-Xylene	4.5	U	4.5	0.59	ug/Kg	☼	05/07/24 11:45	05/08/24 03:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*05/07/24 11:45*	*05/08/24 03:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*64 - 126*	*05/07/24 11:45*	*05/08/24 03:49*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 126*	*05/07/24 11:45*	*05/08/24 03:49*	*1*
Dibromofluoromethane (Surr)	*108*		*60 - 140*	*05/07/24 11:45*	*05/08/24 03:49*	*1*
Toluene-d8 (Surr)	*100*		*71 - 125*	*05/07/24 11:45*	*05/08/24 03:49*	*1*

Client Sample ID: SB-07-21.0-21.5-050724
Lab Sample ID: 480-219611-1
Date Collected: 05/07/24 09:15
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 75.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1	U	4.1	0.30	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,1,2,2-Tetrachloroethane	4.1	U	4.1	0.66	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U	4.1	0.93	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,1,2-Trichloroethane	4.1	U	4.1	0.53	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,1-Dichloroethane	4.1	U	4.1	0.50	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,1-Dichloroethene	4.1	U	4.1	0.50	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,2,4-Trichlorobenzene	4.1	U	4.1	0.25	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,2-Dibromo-3-Chloropropane	4.1	U	4.1	2.0	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,2-Dibromoethane	4.1	U	4.1	0.52	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,2-Dichlorobenzene	4.1	U	4.1	0.32	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,2-Dichloroethane	4.1	U	4.1	0.20	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,2-Dichloropropane	4.1	U	4.1	2.0	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,3-Dichlorobenzene	4.1	U	4.1	0.21	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
1,4-Dichlorobenzene	4.1	U	4.1	0.57	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
2-Butanone (MEK)	20	U	20	1.5	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
2-Hexanone	20	U	20	2.0	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
4-Methyl-2-pentanone (MIBK)	20	U	20	1.3	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1

Client Sample ID: SB-07-21.0-21.5-050724

Date Collected: 05/07/24 09:15
Date Received: 05/08/24 10:00

Lab Sample ID: 480-219611-1

Matrix: Solid
Percent Solids: 75.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**8.0**	**J**	20	3.4	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Benzene	4.1	U	4.1	0.20	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Bromodichloromethane	4.1	U	4.1	0.55	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Bromoform	4.1	U	4.1	2.0	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Bromomethane	4.1	U	4.1	0.37	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Carbon disulfide	4.1	U	4.1	2.0	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Carbon tetrachloride	4.1	U	4.1	0.39	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Chlorobenzene	4.1	U	4.1	0.54	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Chloroethane	4.1	U	4.1	0.92	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Chloroform	4.1	U	4.1	0.25	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Chloromethane	4.1	U	4.1	0.25	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
cis-1,2-Dichloroethene	4.1	U	4.1	0.52	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
cis-1,3-Dichloropropene	4.1	U	4.1	0.59	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Cyclohexane	4.1	U	4.1	0.57	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Dibromochloromethane	4.1	U	4.1	0.52	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Dichlorodifluoromethane	4.1	U	4.1	0.34	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Ethylbenzene	4.1	U	4.1	0.28	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Isopropylbenzene	4.1	U	4.1	0.61	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Methyl acetate	20	U	20	2.5	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Methyl tert-butyl ether	4.1	U	4.1	0.40	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Methylcyclohexane	4.1	U	4.1	0.62	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Methylene Chloride	4.1	U	4.1	1.9	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Styrene	4.1	U	4.1	0.20	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Tetrachloroethene	**8.2**		4.1	0.55	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Toluene	4.1	U	4.1	0.31	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
trans-1,2-Dichloroethene	4.1	U	4.1	0.42	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
trans-1,3-Dichloropropene	4.1	U	4.1	1.8	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Trichloroethene	4.1	U	4.1	0.90	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Trichlorofluoromethane	4.1	U	4.1	0.38	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Vinyl chloride	4.1	U	4.1	0.50	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
Xylenes, Total	8.1	U	8.1	0.68	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
m,p-Xylene	8.1	U	8.1	0.68	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1
o-Xylene	4.1	U	4.1	0.53	ug/Kg	☼	05/08/24 17:00	05/08/24 23:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*4.7*	*T J*	*ug/Kg*	☼	*9.59*	*N/A*	*05/08/24 17:00*	*05/08/24 23:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*	*05/08/24 17:00*	*05/08/24 23:24*	*1*
4-Bromofluorobenzene (Surr)	*103*		*72 - 126*	*05/08/24 17:00*	*05/08/24 23:24*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*05/08/24 17:00*	*05/08/24 23:24*	*1*
Toluene-d8 (Surr)	*93*		*71 - 125*	*05/08/24 17:00*	*05/08/24 23:24*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	130	U	130	71	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2,4,5-Trichlorophenol	220	U	220	59	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2,4,6-Trichlorophenol	220	U	220	44	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2,4-Dichlorophenol	220	U	220	23	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2,4-Dimethylphenol	220	U	220	53	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

Client Sample ID: SB-07-21.0-21.5-050724
Date Collected: 05/07/24 09:15
Date Received: 05/08/24 10:00

Lab Sample ID: 480-219611-1
Matrix: Solid
Percent Solids: 75.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	2100	U	2100	1000	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2,4-Dinitrotoluene	220	U	220	45	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2,6-Dinitrotoluene	220	U	220	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2-Chloronaphthalene	220	U	220	36	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2-Chlorophenol	420	U	420	40	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2-Methylnaphthalene	220	U	220	44	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2-Methylphenol	220	U	220	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2-Nitroaniline	420	U	420	32	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
2-Nitrophenol	220	U	220	62	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
3,3'-Dichlorobenzidine	420	U	420	260	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
3-Nitroaniline	420	U	420	60	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
4,6-Dinitro-2-methylphenol	420	U	420	220	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
4-Bromophenyl phenyl ether	220	U	220	31	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
4-Chloro-3-methylphenol	220	U	220	54	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
4-Chloroaniline	220	U	220	54	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
4-Chlorophenyl phenyl ether	220	U	220	27	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
4-Methylphenol	420	U	420	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
4-Nitroaniline	420	U	420	110	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
4-Nitrophenol	420	U	420	150	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Acenaphthene	220	U	220	32	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Acenaphthylene	220	U	220	28	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Acetophenone	220	U	220	30	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Anthracene	220	U	220	54	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Atrazine	220	U	220	76	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Benzaldehyde	220	U	220	170	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Benzo[a]anthracene	220	U	220	22	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Benzo[a]pyrene	220	U	220	32	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Benzo[b]fluoranthene	220	U	220	35	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Benzo[g,h,i]perylene	220	U	220	23	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Benzo[k]fluoranthene	220	U	220	28	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Biphenyl	220	U	220	32	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
bis (2-chloroisopropyl) ether	220	U	220	44	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Bis(2-chloroethoxy)methane	220	U	220	46	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Bis(2-chloroethyl)ether	220	U	220	28	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Bis(2-ethylhexyl) phthalate	220	U	220	75	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Butyl benzyl phthalate	220	U	220	36	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Caprolactam	220	U	220	66	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Carbazole	220	U	220	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Chrysene	220	U	220	49	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Dibenz(a,h)anthracene	220	U	220	39	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Dibenzofuran	220	U	220	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Diethyl phthalate	220	U	220	28	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Dimethyl phthalate	220	U	220	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Di-n-butyl phthalate	220	U	220	37	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Di-n-octyl phthalate	220	U	220	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Fluoranthene	220	U	220	23	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Fluorene	220	U	220	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Hexachlorobenzene	220	U	220	30	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Hexachlorobutadiene	220	U	220	32	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1

Client Sample ID: SB-07-21.0-21.5-050724

Date Collected: 05/07/24 09:15
Date Received: 05/08/24 10:00

Lab Sample ID: 480-219611-1

Matrix: Solid
Percent Solids: 75.8

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	220	U	220	30	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Hexachloroethane	220	U	220	28	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Indeno[1,2,3-cd]pyrene	220	U	220	27	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Isophorone	220	U	220	46	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Naphthalene	220	U	220	28	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Nitrobenzene	220	U	220	24	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
N-Nitrosodi-n-propylamine	220	U	220	37	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
N-Nitrosodiphenylamine	220	U	220	180	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Pentachlorophenol	420	U	420	220	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Phenanthrene	220	U	220	32	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Phenol	220	U	220	33	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1
Pyrene	220	U	220	26	ug/Kg	☼	05/08/24 16:31	05/10/24 19:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, 2,5-dimethyl-	*570*	*T J N*	*ug/Kg*	☼	*1.76*	*625-86-5*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
Unknown	*750*	*T J*	*ug/Kg*	☼	*2.06*	*N/A*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
Unknown	*4500*	*T J*	*ug/Kg*	☼	*3.60*	*N/A*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
Unknown	*210*	*T J*	*ug/Kg*	☼	*3.86*	*N/A*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
Heptane, 3,4-dimethyl-	*180*	*T J N*	*ug/Kg*	☼	*3.90*	*922-28-1*	*05/08/24 16:31*	*05/10/24 19:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*26 - 143*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
2-Fluorobiphenyl	*92*		*50 - 121*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
2-Fluorophenol	*81*		*36 - 120*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
Nitrobenzene-d5	*86*		*40 - 121*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
Phenol-d5	*83*		*41 - 120*	*05/08/24 16:31*	*05/10/24 19:21*	*1*
p-Terphenyl-d14	*106*		*46 - 143*	*05/08/24 16:31*	*05/10/24 19:21*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.2	U	2.2	0.42	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
4,4'-DDE	2.2	U	2.2	0.46	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
4,4'-DDT	2.2	U	2.2	0.51	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Aldrin	2.2	U	2.2	0.54	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
alpha-BHC	2.2	U	2.2	0.39	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
beta-BHC	2.2	U	2.2	0.39	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
cis-Chlordane	2.2	U	2.2	1.1	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
delta-BHC	2.2	U	2.2	0.41	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Dieldrin	2.2	U	2.2	0.52	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Endosulfan I	2.2	U	2.2	0.42	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Endosulfan II	2.2	U	2.2	0.39	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Endosulfan sulfate	2.2	U	2.2	0.41	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Endrin	2.2	U	2.2	0.43	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Endrin aldehyde	2.2	U	2.2	0.56	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Endrin ketone	2.2	U	2.2	0.54	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
gamma-BHC (Lindane)	2.2	U	2.2	0.40	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Heptachlor	2.2	U	2.2	0.47	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Heptachlor epoxide	2.2	U	2.2	0.56	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Methoxychlor	2.2	U	2.2	0.45	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1
Toxaphene	22	U	22	13	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1

Client Sample ID: SB-07-21.0-21.5-050724

Date Collected: 05/07/24 09:15
Date Received: 05/08/24 10:00

Lab Sample ID: 480-219611-1

Matrix: Solid
Percent Solids: 75.8

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	2.2	U	2.2	0.69	ug/Kg	☼	05/09/24 08:12	05/10/24 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*45 - 120*	*05/09/24 08:12*	*05/10/24 19:05*	*1*
DCB Decachlorobiphenyl	*83*		*45 - 120*	*05/09/24 08:12*	*05/10/24 19:05*	*1*
Tetrachloro-m-xylene	*65*		*30 - 124*	*05/09/24 08:12*	*05/10/24 19:05*	*1*
Tetrachloro-m-xylene	*67*		*30 - 124*	*05/09/24 08:12*	*05/10/24 19:05*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.27	U	0.27	0.054	mg/Kg	☼	05/08/24 16:44	05/09/24 22:11	1
PCB-1221	0.27	U	0.27	0.054	mg/Kg	☼	05/08/24 16:44	05/09/24 22:11	1
PCB-1232	0.27	U	0.27	0.054	mg/Kg	☼	05/08/24 16:44	05/09/24 22:11	1
PCB-1242	0.27	U	0.27	0.054	mg/Kg	☼	05/08/24 16:44	05/09/24 22:11	1
PCB-1248	0.27	U	0.27	0.054	mg/Kg	☼	05/08/24 16:44	05/09/24 22:11	1
PCB-1254	0.27	U	0.27	0.13	mg/Kg	☼	05/08/24 16:44	05/09/24 22:11	1
PCB-1260	0.27	U	0.27	0.13	mg/Kg	☼	05/08/24 16:44	05/09/24 22:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*104*		*65 - 174*	*05/08/24 16:44*	*05/09/24 22:11*	*1*
DCB Decachlorobiphenyl	*102*		*65 - 174*	*05/08/24 16:44*	*05/09/24 22:11*	*1*
Tetrachloro-m-xylene	*101*		*60 - 154*	*05/08/24 16:44*	*05/09/24 22:11*	*1*
Tetrachloro-m-xylene	*94*		*60 - 154*	*05/08/24 16:44*	*05/09/24 22:11*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1.0	U	1.0	0.048	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluoropentanoic acid (PFPeA)	0.52	U	0.52	0.027	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorohexanoic acid (PFHxA)	0.26	U	0.26	0.027	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluoroheptanoic acid (PFHpA)	0.26	U	0.26	0.028	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorooctanoic acid (PFOA)	0.26	U	0.26	0.054	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorononanoic acid (PFNA)	0.26	U	0.26	0.016	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorodecanoic acid (PFDA)	0.26	U	0.26	0.097	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluoroundecanoic acid (PFUnA)	0.26	U	0.26	0.036	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorododecanoic acid (PFDoA)	0.26	U	0.26	0.072	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorotridecanoic acid (PFTriA)	0.26	U	0.26	0.036	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorotetradecanoic acid (PFTeDA)	0.26	U	0.26	0.022	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorobutanesulfonic acid (PFBS)	0.26	U	0.26	0.018	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluoropentanesulfonic acid (PFPeS)	0.26	U	0.26	0.017	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorohexanesulfonic acid (PFHxS)	0.26	U	0.26	0.026	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluoroheptanesulfonic acid (PFHpS)	0.26	U	0.26	0.036	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorooctanesulfonic acid (PFOS)	0.26	U	0.26	0.072	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorononanesulfonic acid (PFNS)	0.26	U	0.26	0.036	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorodecanesulfonic acid (PFDS)	0.26	U	0.26	0.026	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
Perfluorododecanesulfonic acid (PFDoS)	0.26	U	0.26	0.022	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
4:2 FTS	1.0	U	1.0	0.10	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
6:2 FTS	1.0	U	1.0	0.63	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
8:2 FTS	1.0	U	1.0	0.15	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1

Client Sample ID: SB-07-21.0-21.5-050724

Date Collected: 05/07/24 09:15
Date Received: 05/08/24 10:00

Lab Sample ID: 480-219611-1

Matrix: Solid
Percent Solids: 75.8

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonamide (PFOSA)	0.26	U	0.26	0.016	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
NMeFOSA	0.26	U	0.26	0.031	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
NEtFOSA	0.26	U	0.26	0.040	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
NMeFOSAA	0.26	U	0.26	0.032	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
NEtFOSAA	0.26	U	0.26	0.031	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
NMeFOSE	2.6	U	2.6	0.13	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
NEtFOSE	2.6	U	2.6	0.14	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
HFPO-DA (GenX)	1.0	U	1.0	0.12	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.0	U	1.0	0.10	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
PFMBA	0.52	U	0.52	0.025	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
NFDHA	0.52	U	0.52	0.062	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
PFMPA	0.52	U	0.52	0.12	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
9Cl-PF3ONS	1.0	U	1.0	0.066	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
11Cl-PF3OUdS	1.0	U	1.0	0.16	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
PFEESA	0.52	U	0.52	0.052	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
3:3 FTCA	1.3	U	1.3	0.23	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
5:3 FTCA	6.5	U	6.5	0.47	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1
7:3 FTCA	6.5	U	6.5	0.40	ug/Kg	☼	05/16/24 07:11	05/21/24 02:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*67*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C5 PFPeA	*93*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C5 PFHxA	*85*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C4 PFHpA	*84*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C8 PFOA	*79*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C9 PFNA	*84*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C6 PFDA	*87*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C7 PFUnA	*80*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C2 PFDoA	*55*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C2 PFTeDA	*66*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C3 PFBS	*87*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C3 PFHxS	*91*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C8 PFOS	*79*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C8 FOSA	*66*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
d3-NMeFOSAA	*80*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
d5-NEtFOSAA	*81*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
M2-4:2 FTS	*101*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
M2-6:2 FTS	*104*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
M2-8:2 FTS	*103*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
13C3 HFPO-DA	*86*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
d7-N-MeFOSE-M	*45*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
d9-N-EtFOSE-M	*48*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
d5-NEtPFOSA	*44*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*
d3-NMePFOSA	*43*		*20 - 150*	*05/16/24 07:11*	*05/21/24 02:08*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4950**		12.8	5.6	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Antimony	**0.63**	**J**	19.2	0.51	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Arsenic	**1.6**	**J**	2.6	0.51	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1

Client Sample ID: SB-07-21.0-21.5-050724

Lab Sample ID: 480-219611-1

Date Collected: 05/07/24 09:15
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 75.8

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**15.3**		0.64	0.14	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Beryllium	**0.27**		0.26	0.036	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Cadmium	**0.060**	**J**	0.26	0.038	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Calcium	**25200**	**B**	63.9	4.2	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Chromium	**6.9**		0.64	0.26	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Cobalt	**4.3**		0.64	0.064	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Copper	**9.9**		1.3	0.27	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Iron	**10300**	**B**	12.8	4.5	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Lead	**4.2**		1.3	0.31	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Magnesium	**7710**		25.6	1.2	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Manganese	**303**	**B**	0.26	0.041	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Nickel	**9.1**		6.4	0.29	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Potassium	**1180**		38.4	25.6	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Selenium	5.1	U	5.1	0.51	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Silver	0.77	U	0.77	0.26	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Sodium	**231**		179	16.6	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Thallium	7.7	U	7.7	0.38	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Vanadium	**12.2**		0.64	0.14	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1
Zinc	**22.8**		2.6	0.82	mg/Kg	☼	05/08/24 15:02	05/09/24 22:20	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.013**	**J**	0.026	0.0059	mg/Kg	☼	05/10/24 09:21	05/10/24 12:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	1.1	U	1.1	0.54	mg/Kg	☼	05/21/24 13:50	05/21/24 16:43	1

Client Sample ID: SB-07-45.0-45.5-050724

Lab Sample ID: 480-219611-2

Date Collected: 05/07/24 12:12
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 80.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.8	U	3.8	0.28	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,1,2,2-Tetrachloroethane	3.8	U	3.8	0.62	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.8	U	3.8	0.87	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,1,2-Trichloroethane	3.8	U	3.8	0.50	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,1-Dichloroethane	3.8	U	3.8	0.47	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,1-Dichloroethene	3.8	U	3.8	0.47	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,2,4-Trichlorobenzene	3.8	U	3.8	0.23	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,2-Dibromo-3-Chloropropane	3.8	U	3.8	1.9	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,2-Dibromoethane	3.8	U	3.8	0.49	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,2-Dichlorobenzene	3.8	U	3.8	0.30	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,2-Dichloroethane	3.8	U	3.8	0.19	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,2-Dichloropropane	3.8	U	3.8	1.9	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,3-Dichlorobenzene	3.8	U	3.8	0.20	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
1,4-Dichlorobenzene	3.8	U	3.8	0.54	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
2-Butanone (MEK)	19	U	19	1.4	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
2-Hexanone	19	U	19	1.9	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1

Client Sample ID: SB-07-45.0-45.5-050724

Date Collected: 05/07/24 12:12
Date Received: 05/08/24 10:00

Lab Sample ID: 480-219611-2

Matrix: Solid
Percent Solids: 80.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	19	U	19	1.3	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Acetone	**8.9**	**J**	19	3.2	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Benzene	3.8	U	3.8	0.19	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Bromodichloromethane	3.8	U	3.8	0.51	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Bromoform	3.8	U	3.8	1.9	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Bromomethane	3.8	U	3.8	0.34	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Carbon disulfide	3.8	U	3.8	1.9	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Carbon tetrachloride	3.8	U	3.8	0.37	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Chlorobenzene	3.8	U	3.8	0.50	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Chloroethane	3.8	U	3.8	0.86	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Chloroform	3.8	U	3.8	0.24	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Chloromethane	3.8	U	3.8	0.23	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
cis-1,2-Dichloroethene	3.8	U	3.8	0.49	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
cis-1,3-Dichloropropene	3.8	U	3.8	0.55	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Cyclohexane	3.8	U	3.8	0.54	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Dibromochloromethane	3.8	U	3.8	0.49	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Dichlorodifluoromethane	3.8	U	3.8	0.32	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Ethylbenzene	3.8	U	3.8	0.26	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Isopropylbenzene	3.8	U	3.8	0.58	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Methyl acetate	19	U	19	2.3	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Methyl tert-butyl ether	3.8	U	3.8	0.38	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Methylcyclohexane	3.8	U	3.8	0.58	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Methylene Chloride	3.8	U	3.8	1.8	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Styrene	3.8	U	3.8	0.19	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Tetrachloroethene	**1.7**	**J**	3.8	0.51	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Toluene	3.8	U	3.8	0.29	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
trans-1,2-Dichloroethene	3.8	U	3.8	0.39	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
trans-1,3-Dichloropropene	3.8	U	3.8	1.7	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Trichloroethene	3.8	U	3.8	0.84	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Trichlorofluoromethane	3.8	U	3.8	0.36	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Vinyl chloride	3.8	U	3.8	0.47	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
Xylenes, Total	7.7	U	7.7	0.64	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
m,p-Xylene	7.7	U	7.7	0.64	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1
o-Xylene	3.8	U	3.8	0.50	ug/Kg	☼	05/08/24 17:00	05/08/24 23:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*4.6*	*T J*	*ug/Kg*	☼	*9.59*	*N/A*	*05/08/24 17:00*	*05/08/24 23:48*	*1*
Acetic acid, 2-ethylhexyl ester	*6.0*	*T J N*	*ug/Kg*	☼	*11.84*	*103-09-3*	*05/08/24 17:00*	*05/08/24 23:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*	*05/08/24 17:00*	*05/08/24 23:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*	*05/08/24 17:00*	*05/08/24 23:48*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*05/08/24 17:00*	*05/08/24 23:48*	*1*
Toluene-d8 (Surr)	*94*		*71 - 125*	*05/08/24 17:00*	*05/08/24 23:48*	*1*

Client Sample ID: SB-09-4.5-5.0-050724

Date Collected: 05/07/24 14:10
Date Received: 05/08/24 10:00

Lab Sample ID: 480-219611-3

Matrix: Solid
Percent Solids: 93.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	41	U	41	11	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,1,2,2-Tetrachloroethane	41	U	41	6.7	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	41	U	41	21	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,1,2-Trichloroethane	41	U	41	8.7	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,1-Dichloroethane	41	U	41	13	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,1-Dichloroethene	41	U	41	14	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,2,4-Trichlorobenzene	41	U	41	16	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,2-Dibromo-3-Chloropropane	41	U	41	21	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,2-Dichlorobenzene	41	U	41	11	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,2-Dichloroethane	41	U	41	17	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,2-Dichloropropane	41	U	41	6.7	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,3-Dichlorobenzene	41	U	41	11	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,4-Dichlorobenzene	41	U	41	5.8	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
2-Butanone (MEK)	210	U	210	120	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
2-Hexanone	210	U	210	85	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
4-Methyl-2-pentanone (MIBK)	210	U	210	13	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Acetone	210	U	210	170	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Benzene	41	U	41	7.9	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Bromoform	41	U	41	21	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Bromomethane	41	U	41	9.1	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Carbon disulfide	41	U	41	19	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Carbon tetrachloride	41	U	41	11	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Chlorobenzene	41	U	41	5.5	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Dibromochloromethane	41	U	41	20	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Chloroethane	41	U	41	8.6	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Chloroform	41	U	41	28	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Chloromethane	41	U	41	9.9	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
cis-1,2-Dichloroethene	41	U	41	11	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Cyclohexane	41	U	41	9.2	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Bromodichloromethane	41	U	41	8.3	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Dichlorodifluoromethane	41	U	41	18	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Ethylbenzene	41	U	41	12	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
1,2-Dibromoethane	41	U	41	7.2	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Isopropylbenzene	41	U	41	6.2	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Methyl acetate	210	U	210	20	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Methyl tert-butyl ether	41	U	41	16	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Methylcyclohexane	41	U	41	19	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Methylene Chloride	41	U	41	8.2	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
m,p-Xylene	83	U	83	23	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
o-Xylene	41	U	41	5.4	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Tetrachloroethene	**420**		41	5.6	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Toluene	41	U	41	11	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
trans-1,2-Dichloroethene	41	U	41	9.8	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
trans-1,3-Dichloropropene	41	U	41	4.1	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Trichloroethene	41	U	41	12	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Trichlorofluoromethane	41	U	41	19	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Vinyl chloride	41	U	41	14	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
Xylenes, Total	83	U	83	23	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1
cis-1,3-Dichloropropene	41	U	41	9.9	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1

Client Sample ID: SB-09-4.5-5.0-050724

Lab Sample ID: 480-219611-3
Date Collected: 05/07/24 14:10
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 93.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	41	U	41	10	ug/Kg	☼	05/09/24 11:13	05/09/24 17:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*05/09/24 11:13*	*05/09/24 17:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*05/09/24 11:13*	*05/09/24 17:29*	*1*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*05/09/24 11:13*	*05/09/24 17:29*	*1*
Toluene-d8 (Surr)	*102*		*50 - 149*	*05/09/24 11:13*	*05/09/24 17:29*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 140*	*05/09/24 11:13*	*05/09/24 17:29*	*1*

Client Sample ID: SB-09-11.2-11.7-050724

Lab Sample ID: 480-219611-4
Date Collected: 05/07/24 14:25
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 73.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	61	U	61	17	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,1,2,2-Tetrachloroethane	61	U	61	10	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	61	U	61	31	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,1,2-Trichloroethane	61	U	61	13	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,1-Dichloroethane	61	U	61	19	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,1-Dichloroethene	61	U	61	21	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,2,4-Trichlorobenzene	61	U	61	23	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,2-Dibromo-3-Chloropropane	61	U	61	31	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,2-Dichlorobenzene	61	U	61	16	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,2-Dichloroethane	61	U	61	25	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,2-Dichloropropane	61	U	61	10	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,3-Dichlorobenzene	61	U	61	16	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,4-Dichlorobenzene	61	U	61	8.6	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
2-Butanone (MEK)	310	U	310	180	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
2-Hexanone	310	U	310	130	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
4-Methyl-2-pentanone (MIBK)	310	U	310	20	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Acetone	310	U	310	250	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Benzene	61	U	61	12	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Bromoform	61	U	61	31	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Bromomethane	61	U	61	14	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Carbon disulfide	61	U	61	28	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Carbon tetrachloride	61	U	61	16	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Chlorobenzene	61	U	61	8.1	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Dibromochloromethane	61	U	61	30	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Chloroethane	61	U	61	13	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Chloroform	61	U	61	42	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Chloromethane	61	U	61	15	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
cis-1,2-Dichloroethene	61	U	61	17	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Cyclohexane	61	U	61	14	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Bromodichloromethane	61	U	61	12	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Dichlorodifluoromethane	61	U	61	27	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Ethylbenzene	61	U	61	18	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
1,2-Dibromoethane	61	U	61	11	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1

Client Sample ID: SB-09-11.2-11.7-050724
Lab Sample ID: 480-219611-4
Date Collected: 05/07/24 14:25
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 73.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	61	U	61	9.2	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Methyl acetate	310	U	310	29	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Methyl tert-butyl ether	61	U	61	23	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Methylcyclohexane	61	U	61	29	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Methylene Chloride	61	U	61	12	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
m,p-Xylene	120	U	120	34	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
o-Xylene	61	U	61	8.0	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Tetrachloroethene	**520**		61	8.3	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Toluene	61	U	61	16	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
trans-1,2-Dichloroethene	61	U	61	14	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
trans-1,3-Dichloropropene	61	U	61	6.0	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Trichloroethene	61	U	61	17	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Trichlorofluoromethane	61	U	61	29	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Vinyl chloride	61	U	61	21	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Xylenes, Total	120	U	120	34	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
cis-1,3-Dichloropropene	61	U	61	15	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1
Styrene	61	U	61	15	ug/Kg	☼	05/09/24 11:13	05/09/24 17:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*05/09/24 11:13*	*05/09/24 17:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*05/09/24 11:13*	*05/09/24 17:52*	*1*
4-Bromofluorobenzene (Surr)	*107*		*49 - 148*	*05/09/24 11:13*	*05/09/24 17:52*	*1*
Toluene-d8 (Surr)	*110*		*50 - 149*	*05/09/24 11:13*	*05/09/24 17:52*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*	*05/09/24 11:13*	*05/09/24 17:52*	*1*

Client Sample ID: SB-09-21.0-21.5-050824
Lab Sample ID: 480-219687-1
Date Collected: 05/08/24 08:55
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 76.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	67	U	67	19	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,1,2,2-Tetrachloroethane	67	U	67	11	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	67	U	67	34	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,1,2-Trichloroethane	67	U	67	14	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,1-Dichloroethane	67	U	67	21	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,1-Dichloroethene	67	U	67	23	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,2,4-Trichlorobenzene	67	U	67	26	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,2-Dibromo-3-Chloropropane	67	U	67	34	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,2-Dichlorobenzene	67	U	67	17	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,2-Dichloroethane	67	U	67	28	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,2-Dichloropropane	67	U	67	11	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,3-Dichlorobenzene	67	U	67	18	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,4-Dichlorobenzene	67	U	67	9.4	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
2-Butanone (MEK)	340	U	340	200	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
2-Hexanone	340	U	340	140	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
4-Methyl-2-pentanone (MIBK)	340	U	340	22	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Acetone	340	U	340	280	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1

Client Sample ID: SB-09-21.0-21.5-050824
Date Collected: 05/08/24 08:55
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-1
Matrix: Solid
Percent Solids: 76.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	67	U	67	13	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Bromoform	67	U	67	34	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Bromomethane	67	U	67	15	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Carbon disulfide	67	U	67	31	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Carbon tetrachloride	67	U	67	17	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Chlorobenzene	67	U	67	8.9	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Dibromochloromethane	67	U	67	33	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Chloroethane	67	U	67	14	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Chloroform	67	U	67	46	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Chloromethane	67	U	67	16	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
cis-1,2-Dichloroethene	67	U	67	19	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Cyclohexane	67	U	67	15	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Bromodichloromethane	67	U	67	13	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Dichlorodifluoromethane	67	U	67	29	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Ethylbenzene	67	U	67	20	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
1,2-Dibromoethane	67	U	67	12	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Isopropylbenzene	67	U	67	10	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Methyl acetate	340	U	340	32	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Methyl tert-butyl ether	67	U	67	25	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Methylcyclohexane	67	U	67	32	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Methylene Chloride	67	U	67	13	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
m,p-Xylene	130	U	130	37	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
o-Xylene	67	U	67	8.8	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Tetrachloroethene	**710**		67	9.1	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Toluene	67	U	67	18	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
trans-1,2-Dichloroethene	67	U	67	16	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
trans-1,3-Dichloropropene	67	U	67	6.6	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Trichloroethene	67	U	67	19	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Trichlorofluoromethane	67	U	67	32	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Vinyl chloride	67	U	67	23	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Xylenes, Total	130	U	130	37	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
cis-1,3-Dichloropropene	67	U	67	16	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1
Styrene	67	U	67	16	ug/Kg	☼	05/13/24 08:59	05/13/24 14:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Column Bleed	*840*	*T H J*	*ug/Kg*	☼	*9.15*	*N/A*	*05/13/24 08:59*	*05/13/24 14:12*	*1*
Unknown	*630*	*T H J*	*ug/Kg*	☼	*10.98*	*N/A*	*05/13/24 08:59*	*05/13/24 14:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*53 - 146*	*05/13/24 08:59*	*05/13/24 14:12*	*1*
4-Bromofluorobenzene (Surr)	*109*		*49 - 148*	*05/13/24 08:59*	*05/13/24 14:12*	*1*
Toluene-d8 (Surr)	*115*		*50 - 149*	*05/13/24 08:59*	*05/13/24 14:12*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*05/13/24 08:59*	*05/13/24 14:12*	*1*

Client Sample ID: SB-09-33.5-34.0-050824
Date Collected: 05/08/24 09:40
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-2
Matrix: Solid
Percent Solids: 73.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.2	U	4.2	0.31	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,1,2,2-Tetrachloroethane	4.2	U	4.2	0.68	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.2	U	4.2	0.96	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,1,2-Trichloroethane	4.2	U	4.2	0.55	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,1-Dichloroethane	4.2	U	4.2	0.51	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,1-Dichloroethene	4.2	U	4.2	0.52	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,2,4-Trichlorobenzene	4.2	U	4.2	0.26	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,2-Dibromo-3-Chloropropane	4.2	U	4.2	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,2-Dibromoethane	4.2	U	4.2	0.54	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,2-Dichlorobenzene	4.2	U	4.2	0.33	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,2-Dichloroethane	4.2	U	4.2	0.21	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,2-Dichloropropane	4.2	U	4.2	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,3-Dichlorobenzene	4.2	U	4.2	0.22	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
1,4-Dichlorobenzene	4.2	U	4.2	0.59	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
2-Butanone (MEK)	21	U	21	1.5	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Acetone	**4.0**	**J *+**	21	3.5	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Benzene	4.2	U	4.2	0.21	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Bromodichloromethane	4.2	U	4.2	0.56	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Bromoform	4.2	U	4.2	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Bromomethane	4.2	U	4.2	0.38	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Carbon disulfide	4.2	U	4.2	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Carbon tetrachloride	4.2	U	4.2	0.41	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Chlorobenzene	4.2	U	4.2	0.56	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Chloroethane	4.2	U	4.2	0.95	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Chloroform	4.2	U	4.2	0.26	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Chloromethane	4.2	U	4.2	0.25	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
cis-1,2-Dichloroethene	4.2	U	4.2	0.54	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
cis-1,3-Dichloropropene	4.2	U	4.2	0.61	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Cyclohexane	4.2	U	4.2	0.59	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Dibromochloromethane	4.2	U	4.2	0.54	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Dichlorodifluoromethane	4.2	U	4.2	0.35	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Ethylbenzene	4.2	U	4.2	0.29	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Isopropylbenzene	4.2	U	4.2	0.64	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Methyl acetate	21	U	21	2.5	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Methyl tert-butyl ether	4.2	U	4.2	0.41	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Methylcyclohexane	4.2	U	4.2	0.64	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Methylene Chloride	4.2	U	4.2	1.9	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Styrene	4.2	U	4.2	0.21	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Tetrachloroethene	4.2	U	4.2	0.57	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Toluene	4.2	U	4.2	0.32	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
trans-1,2-Dichloroethene	4.2	U	4.2	0.43	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
trans-1,3-Dichloropropene	4.2	U	4.2	1.9	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Trichloroethene	4.2	U	4.2	0.93	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Trichlorofluoromethane	4.2	U	4.2	0.40	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Vinyl chloride	4.2	U	4.2	0.51	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
Xylenes, Total	8.4	U	8.4	0.71	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1
m,p-Xylene	8.4	U	8.4	0.71	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1

Client Sample ID: SB-09-33.5-34.0-050824

Date Collected: 05/08/24 09:40
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-2

Matrix: Solid
Percent Solids: 73.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	4.2	U	4.2	0.55	ug/Kg	☼	05/09/24 13:00	05/11/24 10:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
column bleed	*4.6*	*T J*	*ug/Kg*	☼	*9.59*	*N/A*	*05/09/24 13:00*	*05/11/24 10:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*05/09/24 13:00*	*05/11/24 10:53*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*	*05/09/24 13:00*	*05/11/24 10:53*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*05/09/24 13:00*	*05/11/24 10:53*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*05/09/24 13:00*	*05/11/24 10:53*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	140	U	140	75	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2,4,5-Trichlorophenol	230	U	230	62	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2,4,6-Trichlorophenol	230	U	230	46	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2,4-Dichlorophenol	230	U	230	24	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2,4-Dimethylphenol	230	U	230	56	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2,4-Dinitrophenol	2300	U	2300	1100	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2,4-Dinitrotoluene	230	U	230	48	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2,6-Dinitrotoluene	230	U	230	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2-Chloronaphthalene	230	U	230	38	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2-Chlorophenol	450	U	450	42	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2-Methylnaphthalene	230	U	230	46	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2-Methylphenol	230	U	230	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2-Nitroaniline	450	U	450	34	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
2-Nitrophenol	230	U	230	65	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
3,3'-Dichlorobenzidine	450	U	450	270	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
3-Nitroaniline	450	U	450	64	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
4,6-Dinitro-2-methylphenol	450	U	450	230	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
4-Bromophenyl phenyl ether	230	U	230	33	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
4-Chloro-3-methylphenol	230	U	230	57	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
4-Chloroaniline	230	U	230	57	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
4-Chlorophenyl phenyl ether	230	U	230	29	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
4-Methylphenol	450	U	450	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
4-Nitroaniline	450	U	450	120	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
4-Nitrophenol	450	U	450	160	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Acenaphthene	230	U	230	34	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Acenaphthylene	230	U	230	30	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Acetophenone	230	U	230	31	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Anthracene	230	U	230	57	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Atrazine	230	U	230	80	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Benzaldehyde	230	U	230	180	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Benzo[a]anthracene	230	U	230	23	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Benzo[a]pyrene	230	U	230	34	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Benzo[b]fluoranthene	230	U	230	37	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Benzo[g,h,i]perylene	230	U	230	24	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Benzo[k]fluoranthene	230	U	230	30	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Biphenyl	230	U	230	34	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
bis (2-chloroisopropyl) ether	230	U	230	46	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1

Client Sample ID: SB-09-33.5-34.0-050824

Date Collected: 05/08/24 09:40
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-2

Matrix: Solid
Percent Solids: 73.1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	230	U	230	49	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Bis(2-chloroethyl)ether	230	U	230	30	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Bis(2-ethylhexyl) phthalate	230	U	230	79	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Butyl benzyl phthalate	230	U	230	38	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Caprolactam	230	U	230	69	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Carbazole	230	U	230	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Chrysene	230	U	230	52	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Dibenz(a,h)anthracene	230	U	230	41	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Dibenzofuran	230	U	230	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Diethyl phthalate	230	U	230	30	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Dimethyl phthalate	230	U	230	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Di-n-butyl phthalate	230	U	230	39	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Di-n-octyl phthalate	230	U	230	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Fluoranthene	230	U	230	24	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Fluorene	230	U	230	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Hexachlorobenzene	230	U	230	31	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Hexachlorobutadiene	230	U	230	34	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Hexachlorocyclopentadiene	230	U	230	31	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Hexachloroethane	230	U	230	30	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Indeno[1,2,3-cd]pyrene	230	U	230	29	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Isophorone	230	U	230	49	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Naphthalene	230	U	230	30	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Nitrobenzene	230	U	230	26	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
N-Nitrosodi-n-propylamine	230	U	230	39	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
N-Nitrosodiphenylamine	230	U	230	190	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Pentachlorophenol	450	U	450	230	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Phenanthrene	230	U	230	34	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Phenol	230	U	230	35	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1
Pyrene	230	U	230	27	ug/Kg	☼	05/09/24 16:25	05/10/24 21:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, 2,5-dimethyl-	*620*	*T J N*	*ug/Kg*	☼	*1.77*	*625-86-5*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
Unknown	*700*	*T J*	*ug/Kg*	☼	*2.05*	*N/A*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
Unknown	*4500*	*T J*	*ug/Kg*	☼	*3.61*	*N/A*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
Unknown	*230*	*T J*	*ug/Kg*	☼	*3.86*	*N/A*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
Unknown	*190*	*T J*	*ug/Kg*	☼	*3.90*	*N/A*	*05/09/24 16:25*	*05/10/24 21:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*26 - 143*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
2-Fluorobiphenyl	*98*		*50 - 121*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
2-Fluorophenol	*83*		*36 - 120*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
Nitrobenzene-d5	*87*		*40 - 121*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
Phenol-d5	*84*		*41 - 120*	*05/09/24 16:25*	*05/10/24 21:13*	*1*
p-Terphenyl-d14	*114*		*46 - 143*	*05/09/24 16:25*	*05/10/24 21:13*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.3	U	2.3	0.44	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
4,4'-DDE	2.3	U	2.3	0.47	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
4,4'-DDT	2.3	U	2.3	0.53	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1

Client Sample ID: SB-09-33.5-34.0-050824
Date Collected: 05/08/24 09:40
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-2
Matrix: Solid
Percent Solids: 73.1

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	2.3	U	2.3	0.55	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
alpha-BHC	2.3	U	2.3	0.40	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
beta-BHC	2.3	U	2.3	0.40	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
cis-Chlordane	2.3	U	2.3	1.1	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
delta-BHC	2.3	U	2.3	0.42	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Dieldrin	2.3	U	2.3	0.54	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Endosulfan I	2.3	U	2.3	0.43	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Endosulfan II	2.3	U	2.3	0.40	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Endosulfan sulfate	2.3	U	2.3	0.42	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Endrin	2.3	U	2.3	0.44	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Endrin aldehyde	2.3	U	2.3	0.57	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Endrin ketone	2.3	U	2.3	0.55	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
gamma-BHC (Lindane)	2.3	U	2.3	0.41	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Heptachlor	2.3	U	2.3	0.49	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Heptachlor epoxide	2.3	U	2.3	0.58	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Methoxychlor	2.3	U	2.3	0.46	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
Toxaphene	23	U	23	13	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1
trans-Chlordane	2.3	U	2.3	0.71	ug/Kg	☼	05/10/24 08:08	05/13/24 12:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*45 - 120*	*05/10/24 08:08*	*05/13/24 12:21*	*1*
DCB Decachlorobiphenyl	*95*		*45 - 120*	*05/10/24 08:08*	*05/13/24 12:21*	*1*
Tetrachloro-m-xylene	*62*		*30 - 124*	*05/10/24 08:08*	*05/13/24 12:21*	*1*
Tetrachloro-m-xylene	*71*		*30 - 124*	*05/10/24 08:08*	*05/13/24 12:21*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.24	U	0.24	0.047	mg/Kg	☼	05/09/24 16:28	05/14/24 00:29	1
PCB-1221	0.24	U	0.24	0.047	mg/Kg	☼	05/09/24 16:28	05/14/24 00:29	1
PCB-1232	0.24	U	0.24	0.047	mg/Kg	☼	05/09/24 16:28	05/14/24 00:29	1
PCB-1242	0.24	U	0.24	0.047	mg/Kg	☼	05/09/24 16:28	05/14/24 00:29	1
PCB-1248	0.24	U	0.24	0.047	mg/Kg	☼	05/09/24 16:28	05/14/24 00:29	1
PCB-1254	0.24	U	0.24	0.11	mg/Kg	☼	05/09/24 16:28	05/14/24 00:29	1
PCB-1260	0.24	U	0.24	0.11	mg/Kg	☼	05/09/24 16:28	05/14/24 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*123*		*65 - 174*	*05/09/24 16:28*	*05/14/24 00:29*	*1*
DCB Decachlorobiphenyl	*123*		*65 - 174*	*05/09/24 16:28*	*05/14/24 00:29*	*1*
Tetrachloro-m-xylene	*115*		*60 - 154*	*05/09/24 16:28*	*05/14/24 00:29*	*1*
Tetrachloro-m-xylene	*105*		*60 - 154*	*05/09/24 16:28*	*05/14/24 00:29*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.99	U	0.99	0.046	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluoropentanoic acid (PFPeA)	0.50	U	0.50	0.026	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorohexanoic acid (PFHxA)	0.25	U	0.25	0.026	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluoroheptanoic acid (PFHpA)	0.25	U	0.25	0.027	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorooctanoic acid (PFOA)	0.25	U	0.25	0.052	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorononanoic acid (PFNA)	0.25	U	0.25	0.015	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorodecanoic acid (PFDA)	0.25	U	0.25	0.093	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1

Client Sample ID: SB-09-33.5-34.0-050824
Date Collected: 05/08/24 09:40
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-2
Matrix: Solid
Percent Solids: 73.1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	0.25	U	0.25	0.035	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorododecanoic acid (PFDoA)	0.25	U	0.25	0.070	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorotridecanoic acid (PFTriA)	0.25	U	0.25	0.035	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorotetradecanoic acid (PFTeDA)	0.25	U	0.25	0.021	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorobutanesulfonic acid (PFBS)	0.25	U	0.25	0.017	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluoropentanesulfonic acid (PFPeS)	0.25	U	0.25	0.016	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorohexanesulfonic acid (PFHxS)	0.25	U	0.25	0.025	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluoroheptanesulfonic acid (PFHpS)	0.25	U	0.25	0.035	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorooctanesulfonic acid (PFOS)	0.25	U	0.25	0.070	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorononanesulfonic acid (PFNS)	0.25	U	0.25	0.035	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorodecanesulfonic acid (PFDS)	0.25	U	0.25	0.025	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorododecanesulfonic acid (PFDoS)	0.25	U	0.25	0.021	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
4:2 FTS	0.99	U	0.99	0.096	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
6:2 FTS	0.99	U	0.99	0.60	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
8:2 FTS	0.99	U	0.99	0.14	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
Perfluorooctanesulfonamide (PFOSA)	0.25	U	0.25	0.015	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
NMeFOSA	0.25	U	0.25	0.030	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
NEtFOSA	0.25	U	0.25	0.039	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
NMeFOSAA	0.25	U	0.25	0.031	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
NEtFOSAA	0.25	U	0.25	0.030	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
NMeFOSE	2.5	U	2.5	0.12	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
NEtFOSE	2.5	U	2.5	0.14	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
HFPO-DA (GenX)	0.99	U	0.99	0.12	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.99	U	0.99	0.10	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
PFMBA	0.50	U	0.50	0.024	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
NFDHA	0.50	U	0.50	0.060	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
PFMPA	0.50	U	0.50	0.11	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
9Cl-PF3ONS	0.99	U	0.99	0.063	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
11Cl-PF3OUdS	0.99	U	0.99	0.15	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
PFEESA	0.50	U	0.50	0.050	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
3:3 FTCA	1.2	U	1.2	0.22	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
5:3 FTCA	6.2	U	6.2	0.45	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1
7:3 FTCA	6.2	U	6.2	0.38	ug/Kg	☼	05/17/24 07:11	05/20/24 22:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C5 PFPeA	*85*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C5 PFHxA	*83*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C4 PFHpA	*85*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C8 PFOA	*88*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C9 PFNA	*88*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C6 PFDA	*85*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C7 PFUnA	*82*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C2 PFDoA	*70*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C2 PFTeDA	*66*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C3 PFBS	*88*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C3 PFHxS	*85*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*

Client Sample ID: SB-09-33.5-34.0-050824

Date Collected: 05/08/24 09:40
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-2

Matrix: Solid
Percent Solids: 73.1

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 PFOS	*87*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C8 FOSA	*71*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
d3-NMeFOSAA	*85*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
d5-NEtFOSAA	*74*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
M2-4:2 FTS	*101*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
M2-6:2 FTS	*95*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
M2-8:2 FTS	*104*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
13C3 HFPO-DA	*80*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
d7-N-MeFOSE-M	*43*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
d9-N-EtFOSE-M	*46*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
d5-NEtPFOSA	*43*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*
d3-NMePFOSA	*45*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:21*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3530**		13.4	5.9	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Antimony	20.1	U	20.1	0.54	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Arsenic	**1.9**	**J**	2.7	0.54	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Barium	**13.4**		0.67	0.15	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Beryllium	**0.19**	**J**	0.27	0.038	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Cadmium	**0.071**	**J B**	0.27	0.040	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Calcium	**15200**	**B**	67.1	4.4	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Chromium	**4.5**		0.67	0.27	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Cobalt	**2.7**		0.67	0.067	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Copper	**6.0**		1.3	0.28	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Iron	**6750**		13.4	4.7	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Lead	**2.2**		1.3	0.32	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Magnesium	**3750**		26.8	1.2	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Manganese	**171**	**B**	0.27	0.043	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Nickel	**5.8**	**J**	6.7	0.31	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Potassium	**923**		40.3	26.8	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Selenium	**0.58**	**J**	5.4	0.54	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Silver	0.81	U	0.81	0.27	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Sodium	**148**	**J**	188	17.4	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Thallium	8.1	U	8.1	0.40	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Vanadium	**7.9**		0.67	0.15	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1
Zinc	**15.7**		2.7	0.86	mg/Kg	☼	05/10/24 16:08	05/13/24 14:35	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0064**	**J**	0.026	0.0061	mg/Kg	☼	05/10/24 09:21	05/10/24 12:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	1.2	U	1.2	0.56	mg/Kg	☼	05/21/24 13:50	05/21/24 16:47	1

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

Client Sample ID: SB-11-4.5-5.0-050824
Date Collected: 05/08/24 12:35
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-3
Matrix: Solid
Percent Solids: 85.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	44	U	44	12	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,1,2,2-Tetrachloroethane	44	U	44	7.2	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	44	U	44	22	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,1,2-Trichloroethane	44	U	44	9.3	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,1-Dichloroethane	44	U	44	14	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,1-Dichloroethene	44	U	44	15	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,2,4-Trichlorobenzene	44	U	44	17	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,2-Dibromo-3-Chloropropane	44	U	44	22	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,2-Dichlorobenzene	44	U	44	11	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,2-Dichloroethane	44	U	44	18	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,2-Dichloropropane	44	U	44	7.2	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,3-Dichlorobenzene	44	U	44	12	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,4-Dichlorobenzene	44	U	44	6.2	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
2-Butanone (MEK)	220	U	220	130	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
2-Hexanone	220	U	220	91	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
4-Methyl-2-pentanone (MIBK)	220	U	220	14	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Acetone	220	U	220	180	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Benzene	44	U	44	8.4	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Bromoform	44	U	44	22	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Bromomethane	44	U	44	9.8	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Carbon disulfide	44	U	44	20	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Carbon tetrachloride	44	U	44	11	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Chlorobenzene	44	U	44	5.9	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Dibromochloromethane	44	U	44	21	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Chloroethane	44	U	44	9.2	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Chloroform	44	U	44	30	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Chloromethane	44	U	44	11	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
cis-1,2-Dichloroethene	44	U	44	12	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Cyclohexane	44	U	44	9.9	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Bromodichloromethane	44	U	44	8.9	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Dichlorodifluoromethane	44	U	44	19	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Ethylbenzene	44	U	44	13	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
1,2-Dibromoethane	44	U	44	7.8	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Isopropylbenzene	44	U	44	6.7	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Methyl acetate	220	U	220	21	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Methyl tert-butyl ether	44	U	44	17	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Methylcyclohexane	44	U	44	21	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Methylene Chloride	44	U	44	8.8	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
m,p-Xylene	89	U	89	25	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
o-Xylene	44	U	44	5.8	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Tetrachloroethene	**180**		44	6.0	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Toluene	44	U	44	12	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
trans-1,2-Dichloroethene	44	U	44	10	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
trans-1,3-Dichloropropene	44	U	44	4.4	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Trichloroethene	44	U	44	12	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Trichlorofluoromethane	44	U	44	21	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Vinyl chloride	44	U	44	15	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
Xylenes, Total	89	U	89	25	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1
cis-1,3-Dichloropropene	44	U	44	11	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1

Client Sample ID: SB-11-4.5-5.0-050824
Lab Sample ID: 480-219687-3
Date Collected: 05/08/24 12:35
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 85.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	44	U	44	11	ug/Kg	☼	05/13/24 08:59	05/13/24 14:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*	*H*	*ug/Kg*	☼		*N/A*	*05/13/24 08:59*	*05/13/24 14:36*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*53 - 146*	*05/13/24 08:59*	*05/13/24 14:36*	*1*
4-Bromofluorobenzene (Surr)	*111*		*49 - 148*	*05/13/24 08:59*	*05/13/24 14:36*	*1*
Toluene-d8 (Surr)	*113*		*50 - 149*	*05/13/24 08:59*	*05/13/24 14:36*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*05/13/24 08:59*	*05/13/24 14:36*	*1*

Client Sample ID: SB-11-9.5-10.0-050824
Lab Sample ID: 480-219687-4
Date Collected: 05/08/24 12:55
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 79.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	110	U	110	30	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,1,2,2-Tetrachloroethane	110	U	110	17	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,1,2-Trichloro-1,2,2-trifluoroethane	110	U	110	54	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,1,2-Trichloroethane	110	U	110	22	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,1-Dichloroethane	110	U	110	33	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,1-Dichloroethene	110	U	110	37	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,2,4-Trichlorobenzene	110	U	110	41	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,2-Dibromo-3-Chloropropane	110	U	110	54	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,2-Dichlorobenzene	110	U	110	27	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,2-Dichloroethane	110	U	110	44	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,2-Dichloropropane	110	U	110	17	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,3-Dichlorobenzene	110	U	110	29	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,4-Dichlorobenzene	110	U	110	15	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
2-Butanone (MEK)	540	U	540	320	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
2-Hexanone	540	U	540	220	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
4-Methyl-2-pentanone (MIBK)	540	U	540	34	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Acetone	540	U	540	440	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Benzene	110	U	110	20	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Bromoform	110	U	110	54	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Bromomethane	110	U	110	24	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Carbon disulfide	110	U	110	49	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Carbon tetrachloride	110	U	110	27	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Chlorobenzene	110	U	110	14	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Dibromochloromethane	110	U	110	52	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Chloroethane	110	U	110	22	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Chloroform	110	U	110	73	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Chloromethane	110	U	110	25	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
cis-1,2-Dichloroethene	**44**	**J**	110	30	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Cyclohexane	110	U	110	24	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Bromodichloromethane	110	U	110	21	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Dichlorodifluoromethane	110	U	110	47	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Ethylbenzene	110	U	110	31	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
1,2-Dibromoethane	110	U	110	19	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2

Client Sample ID: SB-11-9.5-10.0-050824
Lab Sample ID: 480-219687-4
Date Collected: 05/08/24 12:55
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 79.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	110	U	110	16	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Methyl acetate	540	U	540	51	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Methyl tert-butyl ether	110	U	110	40	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Methylcyclohexane	110	U	110	50	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Methylene Chloride	110	U	110	21	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
m,p-Xylene	210	U	210	59	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
o-Xylene	110	U	110	14	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Tetrachloroethene	**2500**		110	14	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Toluene	110	U	110	29	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
trans-1,2-Dichloroethene	110	U	110	25	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
trans-1,3-Dichloropropene	110	U	110	11	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Trichloroethene	110	U	110	30	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Trichlorofluoromethane	110	U	110	50	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Vinyl chloride	110	U	110	36	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Xylenes, Total	210	U	210	59	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
cis-1,3-Dichloropropene	110	U	110	26	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2
Styrene	110	U	110	26	ug/Kg	☼	05/13/24 08:59	05/13/24 14:59	2

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Column bleed	*920*	*T H J*	*ug/Kg*	☼	*9.14*	*N/A*	*05/13/24 08:59*	*05/13/24 14:59*	*2*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*05/13/24 08:59*	*05/13/24 14:59*	*2*
4-Bromofluorobenzene (Surr)	*107*		*49 - 148*	*05/13/24 08:59*	*05/13/24 14:59*	*2*
Toluene-d8 (Surr)	*109*		*50 - 149*	*05/13/24 08:59*	*05/13/24 14:59*	*2*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*05/13/24 08:59*	*05/13/24 14:59*	*2*

Client Sample ID: SB-11-20.5-21-0-050824
Lab Sample ID: 480-219687-5
Date Collected: 05/08/24 13:15
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 65.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.9	U	4.9	0.35	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,1,2,2-Tetrachloroethane	4.9	U	4.9	0.79	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	4.9	1.1	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,1,2-Trichloroethane	4.9	U	4.9	0.63	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,1-Dichloroethane	4.9	U	4.9	0.60	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,1-Dichloroethene	4.9	U	4.9	0.60	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,2,4-Trichlorobenzene	4.9	U	4.9	0.30	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,2-Dibromo-3-Chloropropane	4.9	U	4.9	2.4	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,2-Dibromoethane	4.9	U	4.9	0.63	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,2-Dichlorobenzene	4.9	U	4.9	0.38	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,2-Dichloroethane	4.9	U	4.9	0.24	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,2-Dichloropropane	4.9	U	4.9	2.4	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,3-Dichlorobenzene	4.9	U	4.9	0.25	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
1,4-Dichlorobenzene	4.9	U	4.9	0.68	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
2-Butanone (MEK)	24	U	24	1.8	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1

Client Sample ID: SB-11-20.5-21-0-050824

Lab Sample ID: 480-219687-5

Date Collected: 05/08/24 13:15
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 65.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	24	U *+	24	4.1	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Benzene	4.9	U	4.9	0.24	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Bromodichloromethane	4.9	U	4.9	0.65	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Bromoform	4.9	U	4.9	2.4	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Bromomethane	4.9	U	4.9	0.44	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Carbon disulfide	4.9	U	4.9	2.4	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Carbon tetrachloride	4.9	U	4.9	0.47	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Chlorobenzene	4.9	U	4.9	0.64	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Chloroethane	4.9	U	4.9	1.1	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Chloroform	4.9	U	4.9	0.30	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Chloromethane	4.9	U	4.9	0.29	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
cis-1,2-Dichloroethene	4.9	U	4.9	0.62	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
cis-1,3-Dichloropropene	4.9	U	4.9	0.70	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Cyclohexane	4.9	U	4.9	0.68	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Dibromochloromethane	4.9	U	4.9	0.62	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Dichlorodifluoromethane	4.9	U	4.9	0.40	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Ethylbenzene	4.9	U	4.9	0.34	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Isopropylbenzene	4.9	U	4.9	0.74	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Methyl acetate	24	U	24	2.9	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Methyl tert-butyl ether	4.9	U	4.9	0.48	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Methylcyclohexane	4.9	U	4.9	0.74	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Methylene Chloride	4.9	U	4.9	2.2	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Styrene	4.9	U	4.9	0.24	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Tetrachloroethene	**6.0**		4.9	0.65	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Toluene	4.9	U	4.9	0.37	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
trans-1,2-Dichloroethene	4.9	U	4.9	0.50	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
trans-1,3-Dichloropropene	4.9	U	4.9	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Trichloroethene	4.9	U	4.9	1.1	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Trichlorofluoromethane	4.9	U	4.9	0.46	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Vinyl chloride	4.9	U	4.9	0.60	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
Xylenes, Total	9.8	U	9.8	0.82	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
m,p-Xylene	9.8	U	9.8	0.82	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1
o-Xylene	4.9	U	4.9	0.64	ug/Kg	☼	05/09/24 13:00	05/11/24 11:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*	☼		*N/A*	*05/09/24 13:00*	*05/11/24 11:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*	*05/09/24 13:00*	*05/11/24 11:17*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 126*	*05/09/24 13:00*	*05/11/24 11:17*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*05/09/24 13:00*	*05/11/24 11:17*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*05/09/24 13:00*	*05/11/24 11:17*	*1*

Client Sample ID: SB-11-44.5-45.0-050824

Lab Sample ID: 480-219687-6

Date Collected: 05/08/24 15:05
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 64.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.3	U F1	5.3	0.38	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

Client Sample ID: SB-11-44.5-45.0-050824
Date Collected: 05/08/24 15:05
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-6
Matrix: Solid
Percent Solids: 64.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	5.3	U *3 F1 F2	5.3	0.85	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U F1	5.3	1.2	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,1,2-Trichloroethane	5.3	U F1	5.3	0.68	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,1-Dichloroethane	5.3	U F1	5.3	0.64	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,1-Dichloroethene	5.3	U F1	5.3	0.64	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,2,4-Trichlorobenzene	5.3	U *3 F1	5.3	0.32	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,2-Dibromo-3-Chloropropane	5.3	U *3 F1 F2	5.3	2.6	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,2-Dibromoethane	5.3	U F1 F2	5.3	0.68	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,2-Dichlorobenzene	5.3	U *3 F1 F2	5.3	0.41	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,2-Dichloroethane	5.3	U F1	5.3	0.26	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,2-Dichloropropane	5.3	U F1	5.3	2.6	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,3-Dichlorobenzene	5.3	U *3 F1 F2	5.3	0.27	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
1,4-Dichlorobenzene	5.3	U *3 F1 F2	5.3	0.74	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
2-Butanone (MEK)	26	U F1 F2	26	1.9	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
2-Hexanone	26	U F1 F2	26	2.6	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
4-Methyl-2-pentanone (MIBK)	26	U F1	26	1.7	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Acetone	**5.1**	**J *+ F1 F2**	26	4.4	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Benzene	5.3	U F1	5.3	0.26	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Bromodichloromethane	5.3	U F1	5.3	0.71	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Bromoform	5.3	U F1 F2	5.3	2.6	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Bromomethane	5.3	U	5.3	0.47	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Carbon disulfide	5.3	U F1	5.3	2.6	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Carbon tetrachloride	5.3	U F1	5.3	0.51	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Chlorobenzene	5.3	U F1	5.3	0.70	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Chloroethane	5.3	U F1	5.3	1.2	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Chloroform	5.3	U F1	5.3	0.33	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Chloromethane	5.3	U	5.3	0.32	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
cis-1,2-Dichloroethene	5.3	U F1	5.3	0.67	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
cis-1,3-Dichloropropene	5.3	U F1	5.3	0.76	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Cyclohexane	5.3	U F1	5.3	0.74	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Dibromochloromethane	5.3	U F1 F2	5.3	0.67	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Dichlorodifluoromethane	5.3	U F1	5.3	0.44	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Ethylbenzene	5.3	U F1	5.3	0.36	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Isopropylbenzene	5.3	U *3 F1 F2	5.3	0.79	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Methyl acetate	26	U F1 F2	26	3.2	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Methyl tert-butyl ether	5.3	U	5.3	0.52	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Methylcyclohexane	5.3	U F1	5.3	0.80	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Methylene Chloride	5.3	U	5.3	2.4	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Styrene	5.3	U F1	5.3	0.26	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Tetrachloroethene	5.3	U F1	5.3	0.71	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Toluene	5.3	U F1	5.3	0.40	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
trans-1,2-Dichloroethene	5.3	U F1	5.3	0.54	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
trans-1,3-Dichloropropene	5.3	U F1 F2	5.3	2.3	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Trichloroethene	5.3	U F1	5.3	1.2	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Trichlorofluoromethane	5.3	U F1	5.3	0.50	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Vinyl chloride	5.3	U F1	5.3	0.64	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
Xylenes, Total	11	U F1	11	0.89	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
m,p-Xylene	11	U F1	11	0.89	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1
o-Xylene	5.3	U F1	5.3	0.69	ug/Kg	☼	05/09/24 13:00	05/11/24 11:42	1

Client Sample ID: SB-11-44.5-45.0-050824
Lab Sample ID: 480-219687-6

Date Collected: 05/08/24 15:05
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 64.3

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
column bleed	19	T J	ug/Kg	☼	9.59	N/A	05/09/24 13:00	05/11/24 11:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126	05/09/24 13:00	05/11/24 11:42	1
4-Bromofluorobenzene (Surr)	82		72 - 126	05/09/24 13:00	05/11/24 11:42	1
Dibromofluoromethane (Surr)	104		60 - 140	05/09/24 13:00	05/11/24 11:42	1
Toluene-d8 (Surr)	98		71 - 125	05/09/24 13:00	05/11/24 11:42	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	150	U	150	85	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2,4,5-Trichlorophenol	260	U	260	71	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2,4,6-Trichlorophenol	260	U	260	53	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2,4-Dichlorophenol	260	U	260	28	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2,4-Dimethylphenol	260	U	260	63	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2,4-Dinitrophenol	2600	U	2600	1200	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2,4-Dinitrotoluene	260	U	260	54	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2,6-Dinitrotoluene	260	U	260	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2-Chloronaphthalene	260	U	260	43	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2-Chlorophenol	510	U	510	48	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2-Methylnaphthalene	260	U	260	53	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2-Methylphenol	260	U	260	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2-Nitroaniline	510	U	510	39	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
2-Nitrophenol	260	U	260	74	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
3,3'-Dichlorobenzidine	510	U	510	310	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
3-Nitroaniline	510	U	510	73	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
4,6-Dinitro-2-methylphenol	510	U	510	260	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
4-Bromophenyl phenyl ether	260	U	260	37	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
4-Chloro-3-methylphenol	260	U	260	65	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
4-Chloroaniline	260	U	260	65	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
4-Chlorophenyl phenyl ether	260	U	260	33	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
4-Methylphenol	510	U	510	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
4-Nitroaniline	510	U	510	140	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
4-Nitrophenol	510	U	510	180	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Acenaphthene	260	U	260	39	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Acenaphthylene	260	U	260	34	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Acetophenone	260	U	260	36	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Anthracene	260	U	260	65	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Atrazine	260	U	260	91	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Benzaldehyde	260	U	260	210	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Benzo[a]anthracene	260	U	260	26	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Benzo[a]pyrene	260	U	260	39	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Benzo[b]fluoranthene	260	U	260	42	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Benzo[g,h,i]perylene	260	U	260	28	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Benzo[k]fluoranthene	260	U	260	34	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Biphenyl	260	U	260	39	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
bis (2-chloroisopropyl) ether	260	U	260	53	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Bis(2-chloroethoxy)methane	260	U	260	56	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Bis(2-chloroethyl)ether	260	U	260	34	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Bis(2-ethylhexyl) phthalate	260	U	260	90	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1

Client Sample ID: SB-11-44.5-45.0-050824
Date Collected: 05/08/24 15:05
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-6
Matrix: Solid
Percent Solids: 64.3

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	260	U	260	43	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Caprolactam	260	U	260	79	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Carbazole	260	U	260	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Chrysene	260	U	260	59	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Dibenz(a,h)anthracene	260	U	260	46	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Dibenzofuran	260	U	260	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Diethyl phthalate	260	U	260	34	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Dimethyl phthalate	260	U	260	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Di-n-butyl phthalate	260	U	260	45	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Di-n-octyl phthalate	260	U	260	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Fluoranthene	260	U	260	28	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Fluorene	260	U	260	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Hexachlorobenzene	260	U	260	36	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Hexachlorobutadiene	260	U	260	39	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Hexachlorocyclopentadiene	260	U	260	36	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Hexachloroethane	260	U	260	34	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Indeno[1,2,3-cd]pyrene	260	U	260	33	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Isophorone	260	U	260	56	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Naphthalene	260	U	260	34	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Nitrobenzene	260	U	260	29	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
N-Nitrosodi-n-propylamine	260	U	260	45	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
N-Nitrosodiphenylamine	260	U	260	210	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Pentachlorophenol	510	U	510	260	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Phenanthrene	260	U	260	39	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Phenol	260	U	260	40	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1
Pyrene	260	U	260	31	ug/Kg	☼	05/09/24 16:25	05/10/24 20:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, 2,5-dimethyl-	*750*	*T J N*	*ug/Kg*	☼	*1.76*	*625-86-5*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
Unknown	*920*	*T J*	*ug/Kg*	☼	*2.06*	*N/A*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
Unknown	*5300*	*T J*	*ug/Kg*	☼	*3.60*	*N/A*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
Unknown	*270*	*T J*	*ug/Kg*	☼	*3.86*	*N/A*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
Heptane, 3,4-dimethyl-	*230*	*T J N*	*ug/Kg*	☼	*3.89*	*922-28-1*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
Octane, 4-methyl-	*230*	*T J N*	*ug/Kg*	☼	*3.96*	*2216-34-4*	*05/09/24 16:25*	*05/10/24 20:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*26 - 143*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
2-Fluorobiphenyl	*95*		*50 - 121*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
2-Fluorophenol	*79*		*36 - 120*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
Nitrobenzene-d5	*87*		*40 - 121*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
Phenol-d5	*78*		*41 - 120*	*05/09/24 16:25*	*05/10/24 20:45*	*1*
p-Terphenyl-d14	*105*		*46 - 143*	*05/09/24 16:25*	*05/10/24 20:45*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.6	U	2.6	0.50	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
4,4'-DDE	2.6	U	2.6	0.54	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
4,4'-DDT	2.6	U	2.6	0.60	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Aldrin	2.6	U	2.6	0.63	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
alpha-BHC	2.6	U	2.6	0.46	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1

Client Sample ID: SB-11-44.5-45.0-050824

Date Collected: 05/08/24 15:05
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-6

Matrix: Solid
Percent Solids: 64.3

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	2.6	U	2.6	0.46	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
cis-Chlordane	2.6	U	2.6	1.3	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
delta-BHC	2.6	U	2.6	0.48	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Dieldrin	2.6	U F2	2.6	0.62	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Endosulfan I	2.6	U	2.6	0.50	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Endosulfan II	2.6	U	2.6	0.46	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Endosulfan sulfate	2.6	U	2.6	0.48	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Endrin	2.6	U	2.6	0.51	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Endrin aldehyde	2.6	U	2.6	0.66	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Endrin ketone	2.6	U	2.6	0.63	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
gamma-BHC (Lindane)	2.6	U	2.6	0.47	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Heptachlor	2.6	U	2.6	0.56	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Heptachlor epoxide	2.6	U	2.6	0.67	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Methoxychlor	2.6	U	2.6	0.53	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
Toxaphene	26	U	26	15	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1
trans-Chlordane	2.6	U	2.6	0.82	ug/Kg	☼	05/10/24 08:08	05/13/24 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*45 - 120*	*05/10/24 08:08*	*05/13/24 12:01*	*1*
DCB Decachlorobiphenyl	*105*		*45 - 120*	*05/10/24 08:08*	*05/13/24 12:01*	*1*
Tetrachloro-m-xylene	*74*		*30 - 124*	*05/10/24 08:08*	*05/13/24 12:01*	*1*
Tetrachloro-m-xylene	*76*		*30 - 124*	*05/10/24 08:08*	*05/13/24 12:01*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.30	U	0.30	0.059	mg/Kg	☼	05/09/24 16:28	05/14/24 00:12	1
PCB-1221	0.30	U	0.30	0.059	mg/Kg	☼	05/09/24 16:28	05/14/24 00:12	1
PCB-1232	0.30	U	0.30	0.059	mg/Kg	☼	05/09/24 16:28	05/14/24 00:12	1
PCB-1242	0.30	U	0.30	0.059	mg/Kg	☼	05/09/24 16:28	05/14/24 00:12	1
PCB-1248	0.30	U	0.30	0.059	mg/Kg	☼	05/09/24 16:28	05/14/24 00:12	1
PCB-1254	0.30	U	0.30	0.14	mg/Kg	☼	05/09/24 16:28	05/14/24 00:12	1
PCB-1260	0.30	U	0.30	0.14	mg/Kg	☼	05/09/24 16:28	05/14/24 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*118*		*65 - 174*	*05/09/24 16:28*	*05/14/24 00:12*	*1*
DCB Decachlorobiphenyl	*123*		*65 - 174*	*05/09/24 16:28*	*05/14/24 00:12*	*1*
Tetrachloro-m-xylene	*111*		*60 - 154*	*05/09/24 16:28*	*05/14/24 00:12*	*1*
Tetrachloro-m-xylene	*105*		*60 - 154*	*05/09/24 16:28*	*05/14/24 00:12*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1.2	U	1.2	0.054	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluoropentanoic acid (PFPeA)	0.59	U	0.59	0.031	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorohexanoic acid (PFHxA)	0.29	U	0.29	0.031	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluoroheptanoic acid (PFHpA)	0.29	U	0.29	0.032	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorooctanoic acid (PFOA)	0.29	U	0.29	0.062	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorononanoic acid (PFNA)	0.29	U	0.29	0.018	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorodecanoic acid (PFDA)	0.29	U	0.29	0.11	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluoroundecanoic acid (PFUnA)	0.29	U	0.29	0.041	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorododecanoic acid (PFDoA)	0.29	U	0.29	0.082	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1

Client Sample ID: SB-11-44.5-45.0-050824
Lab Sample ID: 480-219687-6
Date Collected: 05/08/24 15:05
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 64.3

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotridecanoic acid (PFTriA)	0.29	U	0.29	0.041	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorotetradecanoic acid (PFTeDA)	0.29	U	0.29	0.025	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorobutanesulfonic acid (PFBS)	0.29	U	0.29	0.021	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluoropentanesulfonic acid (PFPeS)	0.29	U	0.29	0.019	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorohexanesulfonic acid (PFHxS)	0.29	U	0.29	0.029	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluoroheptanesulfonic acid (PFHpS)	0.29	U	0.29	0.041	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorooctanesulfonic acid (PFOS)	0.29	U	0.29	0.082	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorononanesulfonic acid (PFNS)	0.29	U	0.29	0.041	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorodecanesulfonic acid (PFDS)	0.29	U	0.29	0.029	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorododecanesulfonic acid (PFDoS)	0.29	U	0.29	0.025	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
4:2 FTS	1.2	U	1.2	0.11	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
6:2 FTS	1.2	U	1.2	0.71	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
8:2 FTS	1.2	U	1.2	0.17	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
Perfluorooctanesulfonamide (PFOSA)	0.29	U	0.29	0.018	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
NMeFOSA	0.29	U	0.29	0.035	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
NEtFOSA	0.29	U	0.29	0.046	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
NMeFOSAA	0.29	U	0.29	0.037	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
NEtFOSAA	0.29	U	0.29	0.035	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
NMeFOSE	2.9	U	2.9	0.15	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
NEtFOSE	2.9	U	2.9	0.16	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
HFPO-DA (GenX)	1.2	U	1.2	0.14	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.2	U	1.2	0.12	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
PFMBA	0.59	U	0.59	0.028	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
NFDHA	0.59	U	0.59	0.070	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
PFMPA	0.59	U	0.59	0.13	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
9Cl-PF3ONS	1.2	U	1.2	0.075	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
11Cl-PF3OUdS	1.2	U	1.2	0.18	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
PFEESA	0.59	U	0.59	0.059	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
3:3 FTCA	1.5	U	1.5	0.26	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
5:3 FTCA	7.3	U	7.3	0.54	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1
7:3 FTCA	7.3	U	7.3	0.45	ug/Kg	☼	05/17/24 07:11	05/20/24 22:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*68*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C5 PFPeA	*68*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C5 PFHxA	*71*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C4 PFHpA	*67*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C8 PFOA	*71*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C9 PFNA	*70*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C6 PFDA	*70*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C7 PFUnA	*68*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C2 PFDoA	*53*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C2 PFTeDA	*55*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C3 PFBS	*77*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C3 PFHxS	*79*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C8 PFOS	*72*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C8 FOSA	*58*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*

Client Sample ID: SB-11-44.5-45.0-050824

Lab Sample ID: 480-219687-6

Date Collected: 05/08/24 15:05
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 64.3

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
d3-NMeFOSAA	*72*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
d5-NEtFOSAA	*72*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
M2-4:2 FTS	*93*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
M2-6:2 FTS	*91*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
M2-8:2 FTS	*92*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
13C3 HFPO-DA	*64*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
d7-N-MeFOSE-M	*42*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
d9-N-EtFOSE-M	*42*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
d5-NEtPFOSA	*42*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*
d3-NMePFOSA	*43*		*20 - 150*	*05/17/24 07:11*	*05/20/24 22:41*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**26900**		15.6	6.9	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Antimony	23.4	U F1	23.4	0.62	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Arsenic	**5.1**		3.1	0.62	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Barium	**213**		0.78	0.17	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Beryllium	**1.4**		0.31	0.044	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Cadmium	**0.21**	**J B**	0.31	0.047	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Calcium	**32200**	**B F1**	78.1	5.2	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Chromium	**27.3**		0.78	0.31	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Cobalt	**17.4**		0.78	0.078	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Copper	**25.6**		1.6	0.33	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Iron	**26700**		15.6	5.5	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Lead	**13.0**		1.6	0.37	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Magnesium	**11600**	**F1**	31.2	1.4	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Manganese	**630**	**B F1**	0.31	0.050	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Nickel	**34.9**		7.8	0.36	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Potassium	**6490**		46.9	31.2	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Selenium	6.2	U	6.2	0.62	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Silver	**0.31**	**J**	0.94	0.31	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Sodium	**578**	**F1**	219	20.3	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Thallium	9.4	U	9.4	0.47	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Vanadium	**44.5**		0.78	0.17	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1
Zinc	**77.3**	**F1**	3.1	1.0	mg/Kg	☼	05/10/24 16:08	05/13/24 14:37	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.028**	**J**	0.031	0.0071	mg/Kg	☼	05/10/24 09:21	05/10/24 12:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	1.5	U F1	1.5	0.72	mg/Kg	☼	05/14/24 13:15	05/14/24 15:48	1

Client Sample ID: DUP-01-050824

Lab Sample ID: 480-219687-7

Date Collected: 05/08/24 00:00
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 75.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1	U	4.1	0.30	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1

Client Sample ID: DUP-01-050824

Date Collected: 05/08/24 00:00
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-7

Matrix: Solid
Percent Solids: 75.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	4.1	U	4.1	0.67	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U	4.1	0.94	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,1,2-Trichloroethane	4.1	U	4.1	0.54	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,1-Dichloroethane	4.1	U	4.1	0.51	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,1-Dichloroethene	4.1	U	4.1	0.51	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,2,4-Trichlorobenzene	4.1	U	4.1	0.25	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,2-Dibromo-3-Chloropropane	4.1	U	4.1	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,2-Dibromoethane	4.1	U	4.1	0.53	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,2-Dichlorobenzene	4.1	U	4.1	0.32	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,2-Dichloroethane	4.1	U	4.1	0.21	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,2-Dichloropropane	4.1	U	4.1	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,3-Dichlorobenzene	4.1	U	4.1	0.21	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
1,4-Dichlorobenzene	4.1	U	4.1	0.58	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
2-Butanone (MEK)	21	U	21	1.5	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Acetone	21	U *+	21	3.5	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Benzene	4.1	U	4.1	0.20	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Bromodichloromethane	4.1	U	4.1	0.55	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Bromoform	4.1	U	4.1	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Bromomethane	4.1	U	4.1	0.37	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Carbon disulfide	4.1	U	4.1	2.1	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Carbon tetrachloride	4.1	U	4.1	0.40	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Chlorobenzene	4.1	U	4.1	0.55	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Chloroethane	4.1	U	4.1	0.94	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Chloroform	4.1	U	4.1	0.26	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Chloromethane	4.1	U	4.1	0.25	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
cis-1,2-Dichloroethene	4.1	U	4.1	0.53	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
cis-1,3-Dichloropropene	4.1	U	4.1	0.60	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Cyclohexane	4.1	U	4.1	0.58	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Dibromochloromethane	4.1	U	4.1	0.53	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Dichlorodifluoromethane	4.1	U	4.1	0.34	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Ethylbenzene	4.1	U	4.1	0.29	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Isopropylbenzene	4.1	U	4.1	0.62	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Methyl acetate	21	U	21	2.5	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Methyl tert-butyl ether	4.1	U	4.1	0.41	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Methylcyclohexane	4.1	U	4.1	0.63	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Methylene Chloride	4.1	U	4.1	1.9	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Styrene	4.1	U	4.1	0.21	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Tetrachloroethene	4.1	U	4.1	0.56	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Toluene	4.1	U	4.1	0.31	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
trans-1,2-Dichloroethene	4.1	U	4.1	0.43	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
trans-1,3-Dichloropropene	4.1	U	4.1	1.8	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Trichloroethene	4.1	U	4.1	0.91	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Trichlorofluoromethane	4.1	U	4.1	0.39	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Vinyl chloride	4.1	U	4.1	0.51	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
Xylenes, Total	8.3	U	8.3	0.70	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
m,p-Xylene	8.3	U	8.3	0.70	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1
o-Xylene	4.1	U	4.1	0.54	ug/Kg	☼	05/09/24 13:00	05/11/24 12:05	1

Client Sample ID: DUP-01-050824
Date Collected: 05/08/24 00:00
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-7
Matrix: Solid
Percent Solids: 75.2

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼		N/A	05/09/24 13:00	05/11/24 12:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		64 - 126	05/09/24 13:00	05/11/24 12:05	1
4-Bromofluorobenzene (Surr)	93		72 - 126	05/09/24 13:00	05/11/24 12:05	1
Dibromofluoromethane (Surr)	102		60 - 140	05/09/24 13:00	05/11/24 12:05	1
Toluene-d8 (Surr)	94		71 - 125	05/09/24 13:00	05/11/24 12:05	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	130	U	130	72	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2,4,5-Trichlorophenol	220	U	220	60	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2,4,6-Trichlorophenol	220	U	220	44	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2,4-Dichlorophenol	220	U	220	23	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2,4-Dimethylphenol	220	U	220	53	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2,4-Dinitrophenol	2200	U	2200	1000	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2,4-Dinitrotoluene	220	U	220	46	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2,6-Dinitrotoluene	220	U	220	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2-Chloronaphthalene	220	U	220	36	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2-Chlorophenol	430	U	430	40	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2-Methylnaphthalene	220	U	220	44	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2-Methylphenol	220	U	220	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2-Nitroaniline	430	U	430	33	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
2-Nitrophenol	220	U	220	62	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
3,3'-Dichlorobenzidine	430	U	430	260	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
3-Nitroaniline	430	U	430	61	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
4,6-Dinitro-2-methylphenol	430	U	430	220	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
4-Bromophenyl phenyl ether	220	U	220	31	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
4-Chloro-3-methylphenol	220	U	220	55	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
4-Chloroaniline	220	U	220	55	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
4-Chlorophenyl phenyl ether	220	U	220	27	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
4-Methylphenol	430	U	430	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
4-Nitroaniline	430	U	430	120	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
4-Nitrophenol	430	U	430	150	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Acenaphthene	220	U	220	33	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Acenaphthylene	220	U	220	29	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Acetophenone	220	U	220	30	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Anthracene	220	U	220	55	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Atrazine	220	U	220	77	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Benzaldehyde	220	U	220	180	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Benzo[a]anthracene	220	U	220	22	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Benzo[a]pyrene	220	U	220	33	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Benzo[b]fluoranthene	220	U	220	35	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Benzo[g,h,i]perylene	220	U	220	23	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Benzo[k]fluoranthene	220	U	220	29	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Biphenyl	220	U	220	33	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
bis (2-chloroisopropyl) ether	220	U	220	44	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Bis(2-chloroethoxy)methane	220	U	220	47	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Bis(2-chloroethyl)ether	220	U	220	29	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Bis(2-ethylhexyl) phthalate	220	U	220	75	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1

Client Sample ID: DUP-01-050824

Date Collected: 05/08/24 00:00
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-7

Matrix: Solid
Percent Solids: 75.2

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	220	U	220	36	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Caprolactam	220	U	220	66	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Carbazole	220	U	220	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Chrysene	220	U	220	49	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Dibenz(a,h)anthracene	220	U	220	39	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Dibenzofuran	220	U	220	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Diethyl phthalate	220	U	220	29	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Dimethyl phthalate	220	U	220	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Di-n-butyl phthalate	220	U	220	38	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Di-n-octyl phthalate	220	U	220	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Fluoranthene	220	U	220	23	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Fluorene	220	U	220	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Hexachlorobenzene	220	U	220	30	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Hexachlorobutadiene	220	U	220	33	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Hexachlorocyclopentadiene	220	U	220	30	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Hexachloroethane	220	U	220	29	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Indeno[1,2,3-cd]pyrene	220	U	220	27	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Isophorone	220	U	220	47	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Naphthalene	220	U	220	29	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Nitrobenzene	220	U	220	25	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
N-Nitrosodi-n-propylamine	220	U	220	38	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
N-Nitrosodiphenylamine	220	U	220	180	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Pentachlorophenol	430	U	430	220	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Phenanthrene	220	U	220	33	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Phenol	220	U	220	34	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1
Pyrene	220	U	220	26	ug/Kg	☼	05/09/24 16:25	05/13/24 12:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, 2,5-dimethyl-	*480*	*T J N*	*ug/Kg*	☼	*1.75*	*625-86-5*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
Unknown	*860*	*T J*	*ug/Kg*	☼	*2.06*	*N/A*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
Methylene Chloride	*500*	*T J N*	*ug/Kg*	☼	*2.13*	*75-09-2*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
Unknown	*3700*	*T J*	*ug/Kg*	☼	*3.60*	*N/A*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
Unknown	*170*	*T J*	*ug/Kg*	☼	*3.85*	*N/A*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
Ethanethioic acid, S-[8-(diethylphosphono)octyl] ester	*320*	*T J N*	*ug/Kg*	☼	*5.42*	*129065-11-8*	*05/09/24 16:25*	*05/13/24 12:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*26 - 143*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
2-Fluorobiphenyl	*81*		*50 - 121*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
2-Fluorophenol	*66*		*36 - 120*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
Nitrobenzene-d5	*72*		*40 - 121*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
Phenol-d5	*69*		*41 - 120*	*05/09/24 16:25*	*05/13/24 12:06*	*1*
p-Terphenyl-d14	*87*		*46 - 143*	*05/09/24 16:25*	*05/13/24 12:06*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.2	U	2.2	0.42	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
4,4'-DDE	2.2	U	2.2	0.46	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
4,4'-DDT	2.2	U	2.2	0.51	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Aldrin	2.2	U	2.2	0.54	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1

Client Sample ID: DUP-01-050824

Date Collected: 05/08/24 00:00
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-7

Matrix: Solid
Percent Solids: 75.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	2.2	U	2.2	0.39	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
beta-BHC	2.2	U	2.2	0.39	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
cis-Chlordane	2.2	U	2.2	1.1	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
delta-BHC	2.2	U	2.2	0.40	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Dieldrin	2.2	U	2.2	0.52	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Endosulfan I	2.2	U	2.2	0.42	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Endosulfan II	2.2	U	2.2	0.39	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Endosulfan sulfate	2.2	U	2.2	0.41	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Endrin	2.2	U	2.2	0.43	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Endrin aldehyde	2.2	U	2.2	0.56	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Endrin ketone	2.2	U	2.2	0.54	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
gamma-BHC (Lindane)	2.2	U	2.2	0.40	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Heptachlor	2.2	U	2.2	0.47	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Heptachlor epoxide	2.2	U	2.2	0.56	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Methoxychlor	2.2	U	2.2	0.44	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
Toxaphene	22	U	22	13	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1
trans-Chlordane	2.2	U	2.2	0.69	ug/Kg	☼	05/10/24 08:08	05/13/24 12:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*45 - 120*	*05/10/24 08:08*	*05/13/24 12:41*	*1*
DCB Decachlorobiphenyl	*99*		*45 - 120*	*05/10/24 08:08*	*05/13/24 12:41*	*1*
Tetrachloro-m-xylene	*74*		*30 - 124*	*05/10/24 08:08*	*05/13/24 12:41*	*1*
Tetrachloro-m-xylene	*71*		*30 - 124*	*05/10/24 08:08*	*05/13/24 12:41*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.28	U	0.28	0.055	mg/Kg	☼	05/09/24 16:28	05/14/24 00:47	1
PCB-1221	0.28	U	0.28	0.055	mg/Kg	☼	05/09/24 16:28	05/14/24 00:47	1
PCB-1232	0.28	U	0.28	0.055	mg/Kg	☼	05/09/24 16:28	05/14/24 00:47	1
PCB-1242	0.28	U	0.28	0.055	mg/Kg	☼	05/09/24 16:28	05/14/24 00:47	1
PCB-1248	0.28	U	0.28	0.055	mg/Kg	☼	05/09/24 16:28	05/14/24 00:47	1
PCB-1254	0.28	U	0.28	0.13	mg/Kg	☼	05/09/24 16:28	05/14/24 00:47	1
PCB-1260	0.28	U	0.28	0.13	mg/Kg	☼	05/09/24 16:28	05/14/24 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*121*		*65 - 174*	*05/09/24 16:28*	*05/14/24 00:47*	*1*
DCB Decachlorobiphenyl	*118*		*65 - 174*	*05/09/24 16:28*	*05/14/24 00:47*	*1*
Tetrachloro-m-xylene	*110*		*60 - 154*	*05/09/24 16:28*	*05/14/24 00:47*	*1*
Tetrachloro-m-xylene	*103*		*60 - 154*	*05/09/24 16:28*	*05/14/24 00:47*	*1*

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.98	U	0.98	0.046	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluoropentanoic acid (PFPeA)	0.49	U	0.49	0.026	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorohexanoic acid (PFHxA)	0.25	U	0.25	0.026	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluoroheptanoic acid (PFHpA)	0.25	U	0.25	0.027	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorooctanoic acid (PFOA)	0.25	U	0.25	0.052	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorononanoic acid (PFNA)	0.25	U	0.25	0.015	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorodecanoic acid (PFDA)	0.25	U	0.25	0.092	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluoroundecanoic acid (PFUnA)	0.25	U	0.25	0.034	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1

Client Sample ID: DUP-01-050824

Date Collected: 05/08/24 00:00
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-7

Matrix: Solid
Percent Solids: 75.2

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	0.25	U	0.25	0.069	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorotridecanoic acid (PFTriA)	0.25	U	0.25	0.034	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorotetradecanoic acid (PFTeDA)	0.25	U	0.25	0.021	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorobutanesulfonic acid (PFBS)	0.25	U	0.25	0.017	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluoropentanesulfonic acid (PFPeS)	0.25	U	0.25	0.016	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorohexanesulfonic acid (PFHxS)	0.25	U	0.25	0.025	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluoroheptanesulfonic acid (PFHpS)	0.25	U	0.25	0.034	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorooctanesulfonic acid (PFOS)	**0.19**	**J**	0.25	0.069	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorononanesulfonic acid (PFNS)	0.25	U	0.25	0.034	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorodecanesulfonic acid (PFDS)	0.25	U	0.25	0.025	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorododecanesulfonic acid (PFDoS)	0.25	U	0.25	0.021	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
4:2 FTS	0.98	U	0.98	0.095	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
6:2 FTS	0.98	U	0.98	0.60	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
8:2 FTS	0.98	U	0.98	0.14	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
Perfluorooctanesulfonamide (PFOSA)	0.25	U	0.25	0.015	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
NMeFOSA	0.25	U	0.25	0.030	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
NEtFOSA	0.25	U	0.25	0.038	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
NMeFOSAA	0.25	U	0.25	0.031	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
NEtFOSAA	0.25	U	0.25	0.030	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
NMeFOSE	2.5	U	2.5	0.12	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
NEtFOSE	2.5	U	2.5	0.14	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
HFPO-DA (GenX)	0.98	U	0.98	0.12	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.98	U	0.98	0.10	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
PFMBA	0.49	U	0.49	0.023	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
NFDHA	0.49	U	0.49	0.059	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
PFMPA	0.49	U	0.49	0.11	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
9Cl-PF3ONS	0.98	U	0.98	0.063	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
11Cl-PF3OUdS	0.98	U	0.98	0.15	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
PFEESA	0.49	U	0.49	0.049	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
3:3 FTCA	1.2	U	1.2	0.22	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
5:3 FTCA	6.2	U	6.2	0.45	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1
7:3 FTCA	6.2	U	6.2	0.38	ug/Kg	☼	05/17/24 07:11	05/20/24 23:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*39*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C5 PFPeA	*85*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C5 PFHxA	*84*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C4 PFHpA	*85*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C8 PFOA	*89*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C9 PFNA	*82*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C6 PFDA	*89*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C7 PFUnA	*76*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C2 PFDoA	*58*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C2 PFTeDA	*63*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C3 PFBS	*89*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*
13C3 PFHxS	*88*		*20 - 150*	*05/17/24 07:11*	*05/20/24 23:39*	*1*

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

Client Sample ID: DUP-01-050824
Date Collected: 05/08/24 00:00
Date Received: 05/09/24 10:00

Lab Sample ID: 480-219687-7
Matrix: Solid
Percent Solids: 75.2

Method: EPA Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	78		20 - 150	05/17/24 07:11	05/20/24 23:39	1
13C8 FOSA	71		20 - 150	05/17/24 07:11	05/20/24 23:39	1
d3-NMeFOSAA	81		20 - 150	05/17/24 07:11	05/20/24 23:39	1
d5-NEtFOSAA	75		20 - 150	05/17/24 07:11	05/20/24 23:39	1
M2-4:2 FTS	101		20 - 150	05/17/24 07:11	05/20/24 23:39	1
M2-6:2 FTS	98		20 - 150	05/17/24 07:11	05/20/24 23:39	1
M2-8:2 FTS	99		20 - 150	05/17/24 07:11	05/20/24 23:39	1
13C3 HFPO-DA	85		20 - 150	05/17/24 07:11	05/20/24 23:39	1
d7-N-MeFOSE-M	46		20 - 150	05/17/24 07:11	05/20/24 23:39	1
d9-N-EtFOSE-M	45		20 - 150	05/17/24 07:11	05/20/24 23:39	1
d5-NEtPFOSA	45		20 - 150	05/17/24 07:11	05/20/24 23:39	1
d3-NMePFOSA	47		20 - 150	05/17/24 07:11	05/20/24 23:39	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4010**		13.2	5.8	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Antimony	19.8	U	19.8	0.53	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Arsenic	**1.2**	**J**	2.6	0.53	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Barium	**15.0**		0.66	0.15	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Beryllium	**0.20**	**J**	0.26	0.037	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Cadmium	**0.13**	**J B**	0.26	0.040	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Calcium	**16600**	**B**	65.9	4.4	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Chromium	**5.0**		0.66	0.26	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Cobalt	**2.7**		0.66	0.066	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Copper	**6.3**		1.3	0.28	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Iron	**6820**		13.2	4.6	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Lead	**2.1**		1.3	0.32	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Magnesium	**4180**		26.4	1.2	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Manganese	**172**	**B**	0.26	0.042	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Nickel	**6.2**	**J**	6.6	0.30	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Potassium	**1060**		39.6	26.4	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Selenium	5.3	U	5.3	0.53	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Silver	0.79	U	0.79	0.26	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Sodium	**160**	**J**	185	17.1	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Thallium	7.9	U	7.9	0.40	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Vanadium	**8.2**		0.66	0.15	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1
Zinc	**17.6**		2.6	0.84	mg/Kg	☼	05/10/24 16:08	05/13/24 14:52	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026	U	0.026	0.0061	mg/Kg	☼	05/10/24 09:21	05/10/24 12:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	1.3	U	1.3	0.63	mg/Kg	☼	05/21/24 13:50	05/21/24 16:49	1

Surrogate Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(60-140)	(71-125)
480-219561-1	SB-01-6.5-7.0-050624	106	103	106	94
480-219561-2	SB-01-40.0-40.5-050624	109	91	108	100
480-219611-1	SB-07-21.0-21.5-050724	103	103	106	93
480-219611-2	SB-07-45.0-45.5-050724	102	100	100	94
480-219687-2	SB-09-33.5-34.0-050824	101	100	101	96
480-219687-5	SB-11-20.5-21-0-050824	102	96	101	95
480-219687-6	SB-11-44.5-45.0-050824	107	82	104	98
480-219687-6 MS	SB-11-44.5-45.0-050824	91	89	101	102
480-219687-6 MSD	SB-11-44.5-45.0-050824	93	82	102	101
480-219687-7	DUP-01-050824	98	93	102	94
LCS 480-711075/1-A	Lab Control Sample	103	99	105	95
LCS 480-711242/1-A	Lab Control Sample	101	99	100	94
LCS 480-711626/1-A	Lab Control Sample	98	93	99	95
MB 480-711075/2-A	Method Blank	105	100	105	94
MB 480-711242/2-A	Method Blank	104	105	107	93
MB 480-711626/2-A	Method Blank	100	97	99	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-219611-3	SB-09-4.5-5.0-050724	98	101	96	102
480-219611-4	SB-09-11.2-11.7-050724	104	107	98	110
480-219687-1	SB-09-21.0-21.5-050824	111	109	107	115
480-219687-3	SB-11-4.5-5.0-050824	111	111	102	113
480-219687-4	SB-11-9.5-10.0-050824	105	107	103	109
LCS 480-711336/1-A	Lab Control Sample	100	102	100	99
LCS 480-711745/1-A	Lab Control Sample	108	113	107	110
MB 480-711336/3-A	Method Blank	100	102	97	101
MB 480-711745/3-A	Method Blank	114	112	107	112

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219561-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site
SDG: 480-219561-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(26-143)	(50-121)	(36-120)	(40-121)	(41-120)	(46-143)
480-219611-1	SB-07-21.0-21.5-050724	86	92	81	86	83	106
480-219687-2	SB-09-33.5-34.0-050824	86	98	83	87	84	114
480-219687-6	SB-11-44.5-45.0-050824	86	95	79	87	78	105
480-219687-6 MS	SB-11-44.5-45.0-050824	91	88	73	79	78	91
480-219687-6 MSD	SB-11-44.5-45.0-050824	95	95	84	82	85	105
480-219687-7	DUP-01-050824	76	81	66	72	69	87
LCS 480-711214/2-A	Lab Control Sample	91	93	80	86	83	95
LCS 480-711416/2-A	Lab Control Sample	93	89	82	82	84	102
MB 480-711214/1-A	Method Blank	70	83	77	77	78	94
MB 480-711416/1-A	Method Blank	81	91	80	84	82	101

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(45-120)	(45-120)	(30-124)	(30-124)
480-219611-1	SB-07-21.0-21.5-050724	71	83	65	67
480-219687-2	SB-09-33.5-34.0-050824	82	95	62	71
480-219687-6	SB-11-44.5-45.0-050824	94	105	74	76
480-219687-6 MS	SB-11-44.5-45.0-050824	92	104	77	78
480-219687-6 MSD	SB-11-44.5-45.0-050824	83	97	64	73
480-219687-7	DUP-01-050824	88	99	74	71
LCS 480-711277/2-A	Lab Control Sample	89	107	84	89
LCS 480-711473/2-A	Lab Control Sample	80	92	68	69
LCSD 480-711277/3-A	Lab Control Sample Dup	84	100	76	78
MB 480-711277/1-A	Method Blank	94	111	91	89
MB 480-711473/1-A	Method Blank	90	96	76	79

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(65-174)	(65-174)	(60-154)	(60-154)
480-219611-1	SB-07-21.0-21.5-050724	104	102	101	94
480-219687-2	SB-09-33.5-34.0-050824	123	123	115	105
480-219687-6	SB-11-44.5-45.0-050824	118	123	111	105
480-219687-6 MS	SB-11-44.5-45.0-050824	133	137	126	117
480-219687-6 MSD	SB-11-44.5-45.0-050824	129	134	125	116

Surrogate Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-219561-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site
SDG: 480-219561-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (65-174)	DCBP2 (65-174)	TCX1 (60-154)	TCX2 (60-154)
480-219687-7	DUP-01-050824	121	118	110	103
LCS 480-711224/2-A	Lab Control Sample	134	135	133	125
LCS 480-711419/2-A	Lab Control Sample	143	148	139	124
MB 480-711224/1-A	Method Blank	116	115	118	107
MB 480-711419/1-A	Method Blank	124	125	120	111

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Isotope Dilution Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Solid **Prep Type: Total/NA**

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (20-150)	PFPeA (20-150)	13C5PHA (20-150)	C4PFHA (20-150)	C8PFOA (20-150)	C9PFNA (20-150)	C6PFDA (20-150)	13C7PUA (20-150)
480-219611-1	SB-07-21.0-21.5-050724	67	93	85	84	79	84	87	80
480-219687-2	SB-09-33.5-34.0-050824	80	85	83	85	88	88	85	82
480-219687-6	SB-11-44.5-45.0-050824	68	68	71	67	71	70	70	68
480-219687-6 MS	SB-11-44.5-45.0-050824	74	82	79	78	86	73	70	64
480-219687-6 MSD	SB-11-44.5-45.0-050824	70	73	73	71	81	74	62	67
480-219687-7	DUP-01-050824	39	85	84	85	89	82	89	76
LCS 280-653714/3-A	Lab Control Sample	50	84	82	84	88	85	84	76
LCS 280-653716/3-A	Lab Control Sample	23	84	81	79	86	76	77	82
LLCS 280-653714/2-A	Lab Control Sample	71	87	84	91	87	84	87	80
LLCS 280-653716/2-A	Lab Control Sample	82	80	83	77	83	76	74	71
MB 280-653714/1-A	Method Blank	39	85	87	87	89	82	79	79
MB 280-653716/1-A	Method Blank	36	88	79	88	88	81	82	72

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDoA (20-150)	PFTDA (20-150)	C3PFBS (20-150)	C3PFHS (20-150)	C8PFOS (20-150)	PFOSA (20-150)	d3NMFOS (20-150)	d5NEFOS (20-150)
480-219611-1	SB-07-21.0-21.5-050724	55	66	87	91	79	66	80	81
480-219687-2	SB-09-33.5-34.0-050824	70	66	88	85	87	71	85	74
480-219687-6	SB-11-44.5-45.0-050824	53	55	77	79	72	58	72	72
480-219687-6 MS	SB-11-44.5-45.0-050824	54	51	81	82	73	58	67	62
480-219687-6 MSD	SB-11-44.5-45.0-050824	56	49	80	79	72	63	68	63
480-219687-7	DUP-01-050824	58	63	89	88	78	71	81	75
LCS 280-653714/3-A	Lab Control Sample	69	80	84	86	82	74	83	70
LCS 280-653716/3-A	Lab Control Sample	62	59	77	78	73	65	73	76
LLCS 280-653714/2-A	Lab Control Sample	73	59	85	85	86	76	87	79
LLCS 280-653716/2-A	Lab Control Sample	51	44	82	93	73	64	78	62
MB 280-653714/1-A	Method Blank	70	56	86	88	82	74	78	68
MB 280-653716/1-A	Method Blank	59	52	88	83	76	69	82	82

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M242FTS (20-150)	M262FTS (20-150)	M282FTS (20-150)	HFPODA (20-150)	NMFM (20-150)	NEFM (20-150)	d5NPFSA (20-150)	d3NMFSA (20-150)
480-219611-1	SB-07-21.0-21.5-050724	101	104	103	86	45	48	44	43
480-219687-2	SB-09-33.5-34.0-050824	101	95	104	80	43	46	43	45
480-219687-6	SB-11-44.5-45.0-050824	93	91	92	64	42	42	42	43
480-219687-6 MS	SB-11-44.5-45.0-050824	90	88	99	81	37	40	40	40
480-219687-6 MSD	SB-11-44.5-45.0-050824	87	94	96	78	40	42	39	42
480-219687-7	DUP-01-050824	101	98	99	85	46	45	45	47
LCS 280-653714/3-A	Lab Control Sample	89	92	99	81	58	61	53	55
LCS 280-653716/3-A	Lab Control Sample	86	87	85	71	41	45	44	46
LLCS 280-653714/2-A	Lab Control Sample	101	93	96	92	50	55	50	50
LLCS 280-653716/2-A	Lab Control Sample	93	99	93	80	37	40	36	37
MB 280-653714/1-A	Method Blank	94	96	99	91	46	43	44	47
MB 280-653716/1-A	Method Blank	110	100	103	93	45	41	40	45

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA

Isotope Dilution Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-711075/2-A
Matrix: Solid
Analysis Batch: 711076

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711075

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
2-Hexanone	25	U	25	2.5	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Acetone	25	U	25	4.2	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Benzene	5.0	U	5.0	0.25	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Chloroform	0.353	J	5.0	0.31	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Methyl acetate	25	U	25	3.0	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Toluene	5.0	U	5.0	0.38	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Styrene	5.0	U	5.0	0.25	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
Xylenes, Total	10	U	10	0.84	ug/Kg		05/07/24 17:36	05/07/24 21:09	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-711075/2-A
Matrix: Solid
Analysis Batch: 711076

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711075

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	10	U	10	0.84	ug/Kg		05/07/24 17:36	05/07/24 21:09	1
o-Xylene	5.0	U	5.0	0.65	ug/Kg		05/07/24 17:36	05/07/24 21:09	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*			*N/A*	*05/07/24 17:36*	*05/07/24 21:09*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*05/07/24 17:36*	*05/07/24 21:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*72 - 126*	*05/07/24 17:36*	*05/07/24 21:09*	*1*
Toluene-d8 (Surr)	*94*		*71 - 125*	*05/07/24 17:36*	*05/07/24 21:09*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*	*05/07/24 17:36*	*05/07/24 21:09*	*1*

Lab Sample ID: LCS 480-711075/1-A
Matrix: Solid
Analysis Batch: 711076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711075

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	47.4		ug/Kg		95	77 - 121
1,1,2,2-Tetrachloroethane	50.0	47.0		ug/Kg		94	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.1		ug/Kg		102	60 - 140
1,1,2-Trichloroethane	50.0	47.2		ug/Kg		94	78 - 122
1,1-Dichloroethane	50.0	53.2		ug/Kg		106	73 - 126
1,1-Dichloroethene	50.0	50.9		ug/Kg		102	59 - 125
1,2,4-Trichlorobenzene	50.0	46.4		ug/Kg		93	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	37.8		ug/Kg		76	63 - 124
1,2-Dichlorobenzene	50.0	45.0		ug/Kg		90	75 - 120
1,2-Dichloroethane	50.0	54.0		ug/Kg		108	77 - 122
1,2-Dichloropropane	50.0	54.0		ug/Kg		108	75 - 124
1,3-Dichlorobenzene	50.0	44.8		ug/Kg		90	74 - 120
1,4-Dichlorobenzene	50.0	44.6		ug/Kg		89	73 - 120
2-Butanone (MEK)	250	323		ug/Kg		129	70 - 134
2-Hexanone	250	263		ug/Kg		105	59 - 130
4-Methyl-2-pentanone (MIBK)	250	268		ug/Kg		107	65 - 133
Acetone	250	368	*+	ug/Kg		147	61 - 137
Benzene	50.0	52.0		ug/Kg		104	79 - 127
Bromoform	50.0	38.1		ug/Kg		76	68 - 126
Bromomethane	50.0	47.8		ug/Kg		96	37 - 149
Carbon disulfide	50.0	51.2		ug/Kg		102	64 - 131
Carbon tetrachloride	50.0	42.1		ug/Kg		84	75 - 135
Chlorobenzene	50.0	46.2		ug/Kg		92	76 - 124
Chloroethane	50.0	54.2		ug/Kg		108	69 - 135
Chloroform	50.0	51.1		ug/Kg		102	80 - 120
Chloromethane	50.0	49.8		ug/Kg		100	63 - 127
cis-1,2-Dichloroethene	50.0	50.3		ug/Kg		101	81 - 120
Bromodichloromethane	50.0	49.4		ug/Kg		99	80 - 122
Cyclohexane	50.0	52.9		ug/Kg		106	65 - 120
Dibromochloromethane	50.0	41.3		ug/Kg		83	76 - 125

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-711075/1-A
Matrix: Solid
Analysis Batch: 711076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711075

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane	50.0	43.7		ug/Kg		87	78 - 120
Dichlorodifluoromethane	50.0	42.9		ug/Kg		86	57 - 142
Ethylbenzene	50.0	47.1		ug/Kg		94	80 - 120
Isopropylbenzene	50.0	47.6		ug/Kg		95	72 - 120
Methyl acetate	100	115		ug/Kg		115	55 - 136
Methyl tert-butyl ether	50.0	51.8		ug/Kg		104	63 - 125
Methylcyclohexane	50.0	52.7		ug/Kg		105	60 - 140
Methylene Chloride	50.0	53.1		ug/Kg		106	61 - 127
Tetrachloroethene	50.0	46.3		ug/Kg		93	74 - 122
Toluene	50.0	46.5		ug/Kg		93	74 - 128
trans-1,2-Dichloroethene	50.0	51.0		ug/Kg		102	78 - 126
trans-1,3-Dichloropropene	50.0	42.2		ug/Kg		84	73 - 123
Trichloroethene	50.0	52.1		ug/Kg		104	77 - 129
Trichlorofluoromethane	50.0	54.6		ug/Kg		109	65 - 146
cis-1,3-Dichloropropene	50.0	49.6		ug/Kg		99	80 - 120
Vinyl chloride	50.0	50.2		ug/Kg		100	61 - 133
Styrene	50.0	46.5		ug/Kg		93	80 - 120
Xylenes, Total	100	93.3		ug/Kg		93	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*
Toluene-d8 (Surr)	*95*		*71 - 125*
Dibromofluoromethane (Surr)	*105*		*60 - 140*

Lab Sample ID: MB 480-711242/2-A
Matrix: Solid
Analysis Batch: 711243

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711242

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
2-Hexanone	25	U	25	2.5	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Acetone	25	U	25	4.2	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Benzene	5.0	U	5.0	0.25	ug/Kg		05/08/24 17:40	05/08/24 21:33	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-711242/2-A
Matrix: Solid
Analysis Batch: 711243

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711242

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	5.0	U	5.0	2.5	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Chloroform	0.326	J	5.0	0.31	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Methyl acetate	25	U	25	3.0	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Toluene	5.0	U	5.0	0.38	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Styrene	5.0	U	5.0	0.25	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
Xylenes, Total	10	U	10	0.84	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
m,p-Xylene	10	U	10	0.84	ug/Kg		05/08/24 17:40	05/08/24 21:33	1
o-Xylene	5.0	U	5.0	0.65	ug/Kg		05/08/24 17:40	05/08/24 21:33	1

Tentatively Identified Compound	*Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*			*N/A*	*05/08/24 17:40*	*05/08/24 21:33*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*05/08/24 17:40*	*05/08/24 21:33*	*1*
4-Bromofluorobenzene (Surr)	*105*		*72 - 126*	*05/08/24 17:40*	*05/08/24 21:33*	*1*
Toluene-d8 (Surr)	*93*		*71 - 125*	*05/08/24 17:40*	*05/08/24 21:33*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*05/08/24 17:40*	*05/08/24 21:33*	*1*

Lab Sample ID: LCS 480-711242/1-A
Matrix: Solid
Analysis Batch: 711243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711242

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	43.9		ug/Kg		88	77 - 121

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-711242/1-A
Matrix: Solid
Analysis Batch: 711243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711242

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	50.0	44.4		ug/Kg		89	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.3		ug/Kg		93	60 - 140
1,1,2-Trichloroethane	50.0	46.4		ug/Kg		93	78 - 122
1,1-Dichloroethane	50.0	47.6		ug/Kg		95	73 - 126
1,1-Dichloroethene	50.0	45.6		ug/Kg		91	59 - 125
1,2,4-Trichlorobenzene	50.0	39.8		ug/Kg		80	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	34.3		ug/Kg		69	63 - 124
1,2-Dichlorobenzene	50.0	41.5		ug/Kg		83	75 - 120
1,2-Dichloroethane	50.0	52.1		ug/Kg		104	77 - 122
1,2-Dichloropropane	50.0	50.7		ug/Kg		101	75 - 124
1,3-Dichlorobenzene	50.0	41.3		ug/Kg		83	74 - 120
1,4-Dichlorobenzene	50.0	41.2		ug/Kg		82	73 - 120
2-Butanone (MEK)	250	228		ug/Kg		91	70 - 134
2-Hexanone	250	253		ug/Kg		101	59 - 130
4-Methyl-2-pentanone (MIBK)	250	240		ug/Kg		96	65 - 133
Acetone	250	265		ug/Kg		106	61 - 137
Benzene	50.0	48.9		ug/Kg		98	79 - 127
Bromoform	50.0	36.9		ug/Kg		74	68 - 126
Bromomethane	50.0	48.1		ug/Kg		96	37 - 149
Carbon disulfide	50.0	45.1		ug/Kg		90	64 - 131
Carbon tetrachloride	50.0	39.1		ug/Kg		78	75 - 135
Chlorobenzene	50.0	43.6		ug/Kg		87	76 - 124
Chloroethane	50.0	50.0		ug/Kg		100	69 - 135
Chloroform	50.0	47.3		ug/Kg		95	80 - 120
Chloromethane	50.0	44.2		ug/Kg		88	63 - 127
cis-1,2-Dichloroethene	50.0	47.2		ug/Kg		94	81 - 120
Bromodichloromethane	50.0	48.3		ug/Kg		97	80 - 122
Cyclohexane	50.0	47.6		ug/Kg		95	65 - 120
Dibromochloromethane	50.0	40.2		ug/Kg		80	76 - 125
1,2-Dibromoethane	50.0	44.1		ug/Kg		88	78 - 120
Dichlorodifluoromethane	50.0	37.3		ug/Kg		75	57 - 142
Ethylbenzene	50.0	43.1		ug/Kg		86	80 - 120
Isopropylbenzene	50.0	43.8		ug/Kg		88	72 - 120
Methyl acetate	100	80.7		ug/Kg		81	55 - 136
Methyl tert-butyl ether	50.0	44.5		ug/Kg		89	63 - 125
Methylcyclohexane	50.0	46.1		ug/Kg		92	60 - 140
Methylene Chloride	50.0	55.5		ug/Kg		111	61 - 127
Tetrachloroethene	50.0	42.0		ug/Kg		84	74 - 122
Toluene	50.0	43.1		ug/Kg		86	74 - 128
trans-1,2-Dichloroethene	50.0	45.9		ug/Kg		92	78 - 126
trans-1,3-Dichloropropene	50.0	43.1		ug/Kg		86	73 - 123
Trichloroethene	50.0	49.5		ug/Kg		99	77 - 129
Trichlorofluoromethane	50.0	49.7		ug/Kg		99	65 - 146
cis-1,3-Dichloropropene	50.0	50.9		ug/Kg		102	80 - 120
Vinyl chloride	50.0	45.8		ug/Kg		92	61 - 133
Styrene	50.0	43.5		ug/Kg		87	80 - 120
Xylenes, Total	100	83.6		ug/Kg		84	70 - 130

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-711242/1-A
Matrix: Solid
Analysis Batch: 711243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711242

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*
Toluene-d8 (Surr)	*94*		*71 - 125*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

Lab Sample ID: MB 480-711336/3-A
Matrix: Solid
Analysis Batch: 711284

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711336

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	100	U	100	28	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
1,1,2,2-Tetrachloroethane	100	U	100	16	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	100	U	100	50	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
1,1,2-Trichloroethane	100	U	100	21	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
1,1-Dichloroethane	100	U	100	31	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
1,1-Dichloroethene	100	U	100	35	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
1,2,4-Trichlorobenzene	100	U	100	38	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
1,2-Dibromo-3-Chloropropane	100	U	100	50	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
1,2-Dichlorobenzene	100	U	100	26	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
1,2-Dichloroethane	100	U	100	41	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
1,2-Dichloropropane	100	U	100	16	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
1,3-Dichlorobenzene	100	U	100	27	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
1,4-Dichlorobenzene	100	U	100	14	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
2-Butanone (MEK)	500	U	500	300	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
2-Hexanone	500	U	500	210	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
4-Methyl-2-pentanone (MIBK)	500	U	500	32	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Acetone	500	U	500	410	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Benzene	100	U	100	19	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Bromoform	100	U	100	50	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Bromomethane	100	U	100	22	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Carbon disulfide	100	U	100	46	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Carbon tetrachloride	100	U	100	26	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Chlorobenzene	100	U	100	13	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Chloroethane	100	U	100	21	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Chloroform	100	U	100	69	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Chloromethane	100	U	100	24	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
cis-1,2-Dichloroethene	100	U	100	28	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Bromodichloromethane	100	U	100	20	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Cyclohexane	100	U	100	22	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Dibromochloromethane	100	U	100	48	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
1,2-Dibromoethane	100	U	100	18	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Dichlorodifluoromethane	100	U	100	44	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Ethylbenzene	100	U	100	29	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Isopropylbenzene	100	U	100	15	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Methyl acetate	500	U	500	48	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Methyl tert-butyl ether	100	U	100	38	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Methylcyclohexane	100	U	100	47	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Methylene Chloride	100	U	100	20	ug/Kg		05/09/24 11:13	05/09/24 14:28	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-711336/3-A
Matrix: Solid
Analysis Batch: 711284

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711336

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	100	U	100	13	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Toluene	100	U	100	27	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
trans-1,2-Dichloroethene	100	U	100	24	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
trans-1,3-Dichloropropene	100	U	100	9.8	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Trichloroethene	100	U	100	28	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Trichlorofluoromethane	100	U	100	47	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
cis-1,3-Dichloropropene	100	U	100	24	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Vinyl chloride	100	U	100	34	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Styrene	100	U	100	24	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
Xylenes, Total	200	U	200	55	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
m,p-Xylene	200	U	200	55	ug/Kg		05/09/24 11:13	05/09/24 14:28	1
o-Xylene	100	U	100	13	ug/Kg		05/09/24 11:13	05/09/24 14:28	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*			*N/A*	*05/09/24 11:13*	*05/09/24 14:28*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*05/09/24 11:13*	*05/09/24 14:28*	*1*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*05/09/24 11:13*	*05/09/24 14:28*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*05/09/24 11:13*	*05/09/24 14:28*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*05/09/24 11:13*	*05/09/24 14:28*	*1*

Lab Sample ID: LCS 480-711336/1-A
Matrix: Solid
Analysis Batch: 711284

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711336

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2500	2390		ug/Kg		96	68 - 130
1,1,2,2-Tetrachloroethane	2500	2130		ug/Kg		85	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2220		ug/Kg		89	10 - 179
1,1,2-Trichloroethane	2500	2290		ug/Kg		92	80 - 120
1,1-Dichloroethane	2500	2250		ug/Kg		90	78 - 121
1,1-Dichloroethene	2500	2190		ug/Kg		88	48 - 133
1,2,4-Trichlorobenzene	2500	2130		ug/Kg		85	70 - 140
1,2-Dibromo-3-Chloropropane	2500	1940		ug/Kg		78	56 - 122
1,2-Dichlorobenzene	2500	2300		ug/Kg		92	78 - 125
1,2-Dichloroethane	2500	2270		ug/Kg		91	74 - 127
1,2-Dichloropropane	2500	2320		ug/Kg		93	80 - 120
1,3-Dichlorobenzene	2500	2380		ug/Kg		95	80 - 120
1,4-Dichlorobenzene	2500	2280		ug/Kg		91	80 - 120
2-Butanone (MEK)	12500	11700		ug/Kg		94	54 - 149
2-Hexanone	12500	10600		ug/Kg		85	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	9590		ug/Kg		77	74 - 120
Acetone	12500	10900		ug/Kg		87	47 - 141
Benzene	2500	2340		ug/Kg		93	77 - 125
Bromoform	2500	2270		ug/Kg		91	48 - 125
Bromomethane	2500	2020		ug/Kg		81	39 - 149

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-711336/1-A
Matrix: Solid
Analysis Batch: 711284

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711336

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	2500	2190		ug/Kg		88	40 - 136
Carbon tetrachloride	2500	2410		ug/Kg		96	54 - 135
Chlorobenzene	2500	2350		ug/Kg		94	76 - 126
Chloroethane	2500	1390		ug/Kg		56	23 - 150
Chloroform	2500	2130		ug/Kg		85	78 - 120
Chloromethane	2500	1920		ug/Kg		77	61 - 124
cis-1,2-Dichloroethene	2500	2140		ug/Kg		85	79 - 124
Bromodichloromethane	2500	2330		ug/Kg		93	71 - 121
Cyclohexane	2500	2160		ug/Kg		86	49 - 129
Dibromochloromethane	2500	2330		ug/Kg		93	64 - 120
1,2-Dibromoethane	2500	2340		ug/Kg		94	80 - 120
Dichlorodifluoromethane	2500	1890		ug/Kg		76	10 - 150
Ethylbenzene	2500	2400		ug/Kg		96	78 - 124
Isopropylbenzene	2500	2500		ug/Kg		100	76 - 120
Methyl acetate	5000	3820		ug/Kg		76	71 - 123
Methyl tert-butyl ether	2500	2140		ug/Kg		86	67 - 137
Methylcyclohexane	2500	2340		ug/Kg		94	50 - 130
Methylene Chloride	2500	2340		ug/Kg		94	75 - 118
Tetrachloroethene	2500	2420		ug/Kg		97	73 - 133
Toluene	2500	2260		ug/Kg		90	75 - 124
trans-1,2-Dichloroethene	2500	2220		ug/Kg		89	74 - 129
trans-1,3-Dichloropropene	2500	2370		ug/Kg		95	73 - 120
Trichloroethene	2500	2320		ug/Kg		93	75 - 131
Trichlorofluoromethane	2500	2180		ug/Kg		87	29 - 158
cis-1,3-Dichloropropene	2500	2480		ug/Kg		99	75 - 121
Vinyl chloride	2500	2250		ug/Kg		90	59 - 124
Styrene	2500	2280		ug/Kg		91	80 - 120
Xylenes, Total	5000	4680		ug/Kg		94	78 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*
Toluene-d8 (Surr)	*99*		*50 - 149*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

Lab Sample ID: MB 480-711626/2-A
Matrix: Solid
Analysis Batch: 711627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711626

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		05/11/24 06:44	05/11/24 10:10	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-711626/2-A
Matrix: Solid
Analysis Batch: 711627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711626

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
2-Hexanone	25	U	25	2.5	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Acetone	25	U	25	4.2	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Benzene	5.0	U	5.0	0.25	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Methyl acetate	25	U	25	3.0	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Toluene	5.0	U	5.0	0.38	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Styrene	5.0	U	5.0	0.25	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
Xylenes, Total	10	U	10	0.84	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
m,p-Xylene	10	U	10	0.84	ug/Kg		05/11/24 06:44	05/11/24 10:10	1
o-Xylene	5.0	U	5.0	0.65	ug/Kg		05/11/24 06:44	05/11/24 10:10	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*			*N/A*	*05/11/24 06:44*	*05/11/24 10:10*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 126*	*05/11/24 06:44*	*05/11/24 10:10*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-711626/2-A
Matrix: Solid
Analysis Batch: 711627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711626

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*97*		*72 - 126*	*05/11/24 06:44*	*05/11/24 10:10*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*05/11/24 06:44*	*05/11/24 10:10*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*	*05/11/24 06:44*	*05/11/24 10:10*	*1*

Lab Sample ID: LCS 480-711626/1-A
Matrix: Solid
Analysis Batch: 711627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	50.0	47.8		ug/Kg		96	77 - 121
1,1,2,2-Tetrachloroethane	50.0	56.7		ug/Kg		113	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.4		ug/Kg		97	60 - 140
1,1,2-Trichloroethane	50.0	54.1		ug/Kg		108	78 - 122
1,1-Dichloroethane	50.0	52.5		ug/Kg		105	73 - 126
1,1-Dichloroethene	50.0	49.6		ug/Kg		99	59 - 125
1,2,4-Trichlorobenzene	50.0	53.0		ug/Kg		106	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	45.9		ug/Kg		92	63 - 124
1,2-Dichlorobenzene	50.0	52.7		ug/Kg		105	75 - 120
1,2-Dichloroethane	50.0	54.9		ug/Kg		110	77 - 122
1,2-Dichloropropane	50.0	54.1		ug/Kg		108	75 - 124
1,3-Dichlorobenzene	50.0	51.9		ug/Kg		104	74 - 120
1,4-Dichlorobenzene	50.0	51.1		ug/Kg		102	73 - 120
2-Butanone (MEK)	250	326		ug/Kg		131	70 - 134
2-Hexanone	250	297		ug/Kg		119	59 - 130
4-Methyl-2-pentanone (MIBK)	250	309		ug/Kg		123	65 - 133
Acetone	250	357	*+	ug/Kg		143	61 - 137
Benzene	50.0	52.0		ug/Kg		104	79 - 127
Bromoform	50.0	43.3		ug/Kg		87	68 - 126
Bromomethane	50.0	43.8		ug/Kg		88	37 - 149
Carbon disulfide	50.0	50.9		ug/Kg		102	64 - 131
Carbon tetrachloride	50.0	41.4		ug/Kg		83	75 - 135
Chlorobenzene	50.0	51.5		ug/Kg		103	76 - 124
Chloroethane	50.0	46.8		ug/Kg		94	69 - 135
Chloroform	50.0	51.6		ug/Kg		103	80 - 120
Chloromethane	50.0	41.8		ug/Kg		84	63 - 127
cis-1,2-Dichloroethene	50.0	51.6		ug/Kg		103	81 - 120
Bromodichloromethane	50.0	50.4		ug/Kg		101	80 - 122
Cyclohexane	50.0	52.4		ug/Kg		105	65 - 120
Dibromochloromethane	50.0	46.5		ug/Kg		93	76 - 125
1,2-Dibromoethane	50.0	49.4		ug/Kg		99	78 - 120
Dichlorodifluoromethane	50.0	35.2		ug/Kg		70	57 - 142
Ethylbenzene	50.0	52.1		ug/Kg		104	80 - 120
Isopropylbenzene	50.0	56.2		ug/Kg		112	72 - 120
Methyl acetate	100	118		ug/Kg		118	55 - 136
Methyl tert-butyl ether	50.0	52.1		ug/Kg		104	63 - 125
Methylcyclohexane	50.0	51.4		ug/Kg		103	60 - 140
Methylene Chloride	50.0	52.1		ug/Kg		104	61 - 127
Tetrachloroethene	50.0	49.1		ug/Kg		98	74 - 122

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-711626/1-A
Matrix: Solid
Analysis Batch: 711627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711626

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	50.0	51.5		ug/Kg		103	74 - 128
trans-1,2-Dichloroethene	50.0	50.5		ug/Kg		101	78 - 126
trans-1,3-Dichloropropene	50.0	47.5		ug/Kg		95	73 - 123
Trichloroethene	50.0	51.9		ug/Kg		104	77 - 129
Trichlorofluoromethane	50.0	48.8		ug/Kg		98	65 - 146
cis-1,3-Dichloropropene	50.0	49.7		ug/Kg		99	80 - 120
Vinyl chloride	50.0	46.0		ug/Kg		92	61 - 133
Styrene	50.0	51.9		ug/Kg		104	80 - 120
Xylenes, Total	100	103		ug/Kg		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*
4-Bromofluorobenzene (Surr)	*93*		*72 - 126*
Toluene-d8 (Surr)	*95*		*71 - 125*
Dibromofluoromethane (Surr)	*99*		*60 - 140*

Lab Sample ID: 480-219687-6 MS
Matrix: Solid
Analysis Batch: 711627

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	5.3	U F1	49.6	27.4	F1	ug/Kg	☼	55	77 - 121
1,1,2,2-Tetrachloroethane	5.3	U *3 F1 F2	49.6	21.7	F1	ug/Kg	☼	44	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U F1	49.6	28.4	F1	ug/Kg	☼	57	60 - 140
1,1,2-Trichloroethane	5.3	U F1	49.6	23.5	F1	ug/Kg	☼	47	78 - 122
1,1-Dichloroethane	5.3	U F1	49.6	31.0	F1	ug/Kg	☼	63	73 - 126
1,1-Dichloroethene	5.3	U F1	49.6	26.2	F1	ug/Kg	☼	53	59 - 125
1,2,4-Trichlorobenzene	5.3	U *3 F1	49.6	4.02	J F1	ug/Kg	☼	8	64 - 120
1,2-Dibromo-3-Chloropropane	5.3	U *3 F1 F2	49.6	10.3	F1	ug/Kg	☼	21	63 - 124
1,2-Dibromoethane	5.3	U F1 F2	49.6	14.4	F1	ug/Kg	☼	29	78 - 120
1,2-Dichlorobenzene	5.3	U *3 F1 F2	49.6	12.7	F1	ug/Kg	☼	26	75 - 120
1,2-Dichloroethane	5.3	U F1	49.6	24.8	F1	ug/Kg	☼	50	77 - 122
1,2-Dichloropropane	5.3	U F1	49.6	26.8	F1	ug/Kg	☼	54	75 - 124
1,3-Dichlorobenzene	5.3	U *3 F1 F2	49.6	10.6	F1	ug/Kg	☼	21	74 - 120
1,4-Dichlorobenzene	5.3	U *3 F1 F2	49.6	10.3	F1	ug/Kg	☼	21	73 - 120
2-Butanone (MEK)	26	U F1 F2	248	114	F1	ug/Kg	☼	46	70 - 134
2-Hexanone	26	U F1 F2	248	80.1	F1	ug/Kg	☼	32	59 - 130
4-Methyl-2-pentanone (MIBK)	26	U F1	248	120	F1	ug/Kg	☼	49	65 - 133
Acetone	5.1	J *+ F1 F2	248	127	F1	ug/Kg	☼	49	61 - 137
Benzene	5.3	U F1	49.6	25.7	F1	ug/Kg	☼	52	79 - 127
Bromodichloromethane	5.3	U F1	49.6	23.1	F1	ug/Kg	☼	47	80 - 122
Bromoform	5.3	U F1 F2	49.6	13.6	F1	ug/Kg	☼	27	68 - 126
Bromomethane	5.3	U	49.6	33.3		ug/Kg	☼	67	37 - 149
Carbon disulfide	5.3	U F1	49.6	21.1	F1	ug/Kg	☼	43	64 - 131

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-219687-6 MS
Matrix: Solid
Analysis Batch: 711627

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711626

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	5.3	U F1	49.6	21.4	F1	ug/Kg	☼	43	75 - 135
Chlorobenzene	5.3	U F1	49.6	17.6	F1	ug/Kg	☼	36	76 - 124
Chloroethane	5.3	U F1	49.6	33.3	F1	ug/Kg	☼	67	69 - 135
Chloroform	5.3	U F1	49.6	30.2	F1	ug/Kg	☼	61	80 - 120
Chloromethane	5.3	U	49.6	34.7		ug/Kg	☼	70	63 - 127
cis-1,2-Dichloroethene	5.3	U F1	49.6	24.6	F1	ug/Kg	☼	50	80 - 120
cis-1,3-Dichloropropene	5.3	U F1	49.6	15.7	F1	ug/Kg	☼	32	80 - 120
Cyclohexane	5.3	U F1	49.6	25.7	F1	ug/Kg	☼	52	65 - 120
Dibromochloromethane	5.3	U F1 F2	49.6	18.0	F1	ug/Kg	☼	36	76 - 125
Dichlorodifluoromethane	5.3	U F1	49.6	24.5	F1	ug/Kg	☼	49	57 - 142
Ethylbenzene	5.3	U F1	49.6	19.2	F1	ug/Kg	☼	39	80 - 120
Isopropylbenzene	5.3	U *3 F1 F2	49.6	24.0	F1	ug/Kg	☼	48	72 - 120
Methyl acetate	26	U F1 F2	99.2	45.9	F1	ug/Kg	☼	46	55 - 136
Methyl tert-butyl ether	5.3	U	49.6	35.6		ug/Kg	☼	72	63 - 125
Methylcyclohexane	5.3	U F1	49.6	20.8	F1	ug/Kg	☼	42	60 - 140
Methylene Chloride	5.3	U	49.6	30.8		ug/Kg	☼	62	61 - 127
Styrene	5.3	U F1	49.6	13.8	F1	ug/Kg	☼	28	80 - 120
Tetrachloroethene	5.3	U F1	49.6	20.3	F1	ug/Kg	☼	41	74 - 122
Toluene	5.3	U F1	49.6	22.3	F1	ug/Kg	☼	45	74 - 128
trans-1,2-Dichloroethene	5.3	U F1	49.6	21.1	F1	ug/Kg	☼	43	78 - 126
Trichloroethene	5.3	U F1	49.6	20.3	F1	ug/Kg	☼	41	77 - 129
Trichlorofluoromethane	5.3	U F1	49.6	29.4	F1	ug/Kg	☼	59	65 - 146
Vinyl chloride	5.3	U F1	49.6	29.5	F1	ug/Kg	☼	60	61 - 133
Xylenes, Total	11	U F1	99.2	37.0	F1	ug/Kg	☼	37	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*64 - 126*
4-Bromofluorobenzene (Surr)	*89*		*72 - 126*
Dibromofluoromethane (Surr)	*101*		*60 - 140*
Toluene-d8 (Surr)	*102*		*71 - 125*

Lab Sample ID: 480-219687-6 MSD
Matrix: Solid
Analysis Batch: 711627

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711626

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	5.3	U F1	50.9	31.2	F1	ug/Kg	☼	61	77 - 121	13	30
1,1,2,2-Tetrachloroethane	5.3	U *3 F1 F2	50.9	38.2	F1 F2 *3	ug/Kg	☼	75	80 - 120	55	30
1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U F1	50.9	30.8		ug/Kg	☼	61	60 - 140	8	30
1,1,2-Trichloroethane	5.3	U F1	50.9	31.8	F1	ug/Kg	☼	62	78 - 122	30	30
1,1-Dichloroethane	5.3	U F1	50.9	36.5	F1	ug/Kg	☼	72	73 - 126	16	30
1,1-Dichloroethene	5.3	U F1	50.9	29.7	F1	ug/Kg	☼	58	59 - 125	13	30
1,2,4-Trichlorobenzene	5.3	U *3 F1	50.9	4.30	J F1 *3	ug/Kg	☼	8	64 - 120	7	30
1,2-Dibromo-3-Chloropropane	5.3	U *3 F1 F2	50.9	18.6	F1 F2 *3	ug/Kg	☼	37	63 - 124	58	30
1,2-Dibromoethane	5.3	U F1 F2	50.9	20.8	F1 F2	ug/Kg	☼	41	78 - 120	36	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-219687-6 MSD
Matrix: Solid
Analysis Batch: 711627

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711626

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichlorobenzene	5.3	U *3 F1 F2	50.9	18.0	F1 F2 *3	ug/Kg	☼	35	75 - 120	34	30
1,2-Dichloroethane	5.3	U F1	50.9	31.5	F1	ug/Kg	☼	62	77 - 122	24	30
1,2-Dichloropropane	5.3	U F1	50.9	33.0	F1	ug/Kg	☼	65	75 - 124	21	30
1,3-Dichlorobenzene	5.3	U *3 F1 F2	50.9	15.3	F1 F2 *3	ug/Kg	☼	30	74 - 120	36	30
1,4-Dichlorobenzene	5.3	U *3 F1 F2	50.9	14.6	F1 F2 *3	ug/Kg	☼	29	73 - 120	35	30
2-Butanone (MEK)	26	U F1 F2	255	162	F1 F2	ug/Kg	☼	63	70 - 134	35	30
2-Hexanone	26	U F1 F2	255	116	F1 F2	ug/Kg	☼	46	59 - 130	37	30
4-Methyl-2-pentanone (MIBK)	26	U F1	255	155	F1	ug/Kg	☼	61	65 - 133	25	30
Acetone	5.1	J *+ F1 F2	255	203	F2	ug/Kg	☼	78	61 - 137	46	30
Benzene	5.3	U F1	50.9	31.4	F1	ug/Kg	☼	62	79 - 127	20	30
Bromodichloromethane	5.3	U F1	50.9	29.4	F1	ug/Kg	☼	58	80 - 122	24	30
Bromoform	5.3	U F1 F2	50.9	18.7	F1 F2	ug/Kg	☼	37	68 - 126	31	30
Bromomethane	5.3	U	50.9	35.4		ug/Kg	☼	70	37 - 149	6	30
Carbon disulfide	5.3	U F1	50.9	24.7	F1	ug/Kg	☼	48	64 - 131	15	30
Carbon tetrachloride	5.3	U F1	50.9	24.9	F1	ug/Kg	☼	49	75 - 135	15	30
Chlorobenzene	5.3	U F1	50.9	22.6	F1	ug/Kg	☼	44	76 - 124	25	30
Chloroethane	5.3	U F1	50.9	35.2		ug/Kg	☼	69	69 - 135	5	30
Chloroform	5.3	U F1	50.9	34.8	F1	ug/Kg	☼	68	80 - 120	14	30
Chloromethane	5.3	U	50.9	34.8		ug/Kg	☼	68	63 - 127	0	30
cis-1,2-Dichloroethene	5.3	U F1	50.9	29.6	F1	ug/Kg	☼	58	80 - 120	18	30
cis-1,3-Dichloropropene	5.3	U F1	50.9	20.6	F1	ug/Kg	☼	40	80 - 120	27	30
Cyclohexane	5.3	U F1	50.9	29.1	F1	ug/Kg	☼	57	65 - 120	12	30
Dibromochloromethane	5.3	U F1 F2	50.9	25.1	F1 F2	ug/Kg	☼	49	76 - 125	33	30
Dichlorodifluoromethane	5.3	U F1	50.9	26.1	F1	ug/Kg	☼	51	57 - 142	6	30
Ethylbenzene	5.3	U F1	50.9	24.0	F1	ug/Kg	☼	47	80 - 120	22	30
Isopropylbenzene	5.3	U *3 F1 F2	50.9	37.0	F2 *3	ug/Kg	☼	73	72 - 120	43	30
Methyl acetate	26	U F1 F2	102	64.2	F2	ug/Kg	☼	63	55 - 136	33	30
Methyl tert-butyl ether	5.3	U	50.9	39.5		ug/Kg	☼	78	63 - 125	10	30
Methylcyclohexane	5.3	U F1	50.9	24.1	F1	ug/Kg	☼	47	60 - 140	15	30
Methylene Chloride	5.3	U	50.9	36.1		ug/Kg	☼	71	61 - 127	16	30
Styrene	5.3	U F1	50.9	16.9	F1	ug/Kg	☼	33	80 - 120	20	30
Tetrachloroethene	5.3	U F1	50.9	24.8	F1	ug/Kg	☼	49	74 - 122	20	30
Toluene	5.3	U F1	50.9	27.9	F1	ug/Kg	☼	55	74 - 128	22	30
trans-1,2-Dichloroethene	5.3	U F1	50.9	25.4	F1	ug/Kg	☼	50	78 - 126	18	30
Trichloroethene	5.3	U F1	50.9	25.5	F1	ug/Kg	☼	50	77 - 129	23	30
Trichlorofluoromethane	5.3	U F1	50.9	31.8	F1	ug/Kg	☼	62	65 - 146	8	30
Vinyl chloride	5.3	U F1	50.9	31.7		ug/Kg	☼	62	61 - 133	7	30
Xylenes, Total	11	U F1	102	45.6	F1	ug/Kg	☼	45	70 - 130	21	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*64 - 126*
4-Bromofluorobenzene (Surr)	*82*		*72 - 126*
Dibromofluoromethane (Surr)	*102*		*60 - 140*
Toluene-d8 (Surr)	*101*		*71 - 125*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-711745/3-A
Matrix: Solid
Analysis Batch: 711731

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711745

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	100	U	100	28	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
1,1,2,2-Tetrachloroethane	100	U	100	16	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	100	U	100	50	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
1,1,2-Trichloroethane	100	U	100	21	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
1,1-Dichloroethane	100	U	100	31	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
1,1-Dichloroethene	100	U	100	35	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
1,2,4-Trichlorobenzene	100	U	100	38	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
1,2-Dibromo-3-Chloropropane	100	U	100	50	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
1,2-Dichlorobenzene	100	U	100	26	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
1,2-Dichloroethane	100	U	100	41	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
1,2-Dichloropropane	100	U	100	16	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
1,3-Dichlorobenzene	100	U	100	27	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
1,4-Dichlorobenzene	100	U	100	14	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
2-Butanone (MEK)	500	U	500	300	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
2-Hexanone	500	U	500	210	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
4-Methyl-2-pentanone (MIBK)	500	U	500	32	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Acetone	500	U	500	410	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Benzene	100	U	100	19	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Bromoform	100	U	100	50	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Bromomethane	100	U	100	22	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Carbon disulfide	100	U	100	46	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Carbon tetrachloride	100	U	100	26	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Chlorobenzene	100	U	100	13	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Chloroethane	100	U	100	21	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Chloroform	100	U	100	69	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Chloromethane	100	U	100	24	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
cis-1,2-Dichloroethene	100	U	100	28	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Bromodichloromethane	100	U	100	20	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Cyclohexane	100	U	100	22	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Dibromochloromethane	100	U	100	48	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
1,2-Dibromoethane	100	U	100	18	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Dichlorodifluoromethane	100	U	100	44	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Ethylbenzene	100	U	100	29	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Isopropylbenzene	100	U	100	15	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Methyl acetate	500	U	500	48	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Methyl tert-butyl ether	100	U	100	38	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Methylcyclohexane	100	U	100	47	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Methylene Chloride	100	U	100	20	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Tetrachloroethene	100	U	100	13	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Toluene	100	U	100	27	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
trans-1,2-Dichloroethene	100	U	100	24	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
trans-1,3-Dichloropropene	100	U	100	9.8	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Trichloroethene	100	U	100	28	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Trichlorofluoromethane	100	U	100	47	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
cis-1,3-Dichloropropene	100	U	100	24	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Vinyl chloride	100	U	100	34	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Styrene	100	U	100	24	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
Xylenes, Total	200	U	200	55	ug/Kg		05/13/24 08:59	05/13/24 12:42	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-711745/3-A
Matrix: Solid
Analysis Batch: 711731

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711745

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m,p-Xylene	200	U	200	55	ug/Kg		05/13/24 08:59	05/13/24 12:42	1
o-Xylene	100	U	100	13	ug/Kg		05/13/24 08:59	05/13/24 12:42	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/Kg*			*N/A*	*05/13/24 08:59*	*05/13/24 12:42*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*53 - 146*	*05/13/24 08:59*	*05/13/24 12:42*	*1*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*	*05/13/24 08:59*	*05/13/24 12:42*	*1*
Toluene-d8 (Surr)	*112*		*50 - 149*	*05/13/24 08:59*	*05/13/24 12:42*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*05/13/24 08:59*	*05/13/24 12:42*	*1*

Lab Sample ID: LCS 480-711745/1-A
Matrix: Solid
Analysis Batch: 711731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711745

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2500	2540		ug/Kg		102	68 - 130
1,1,2,2-Tetrachloroethane	2500	2480		ug/Kg		99	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2110		ug/Kg		84	10 - 179
1,1,2-Trichloroethane	2500	2640		ug/Kg		105	80 - 120
1,1-Dichloroethane	2500	2360		ug/Kg		94	78 - 121
1,1-Dichloroethene	2500	2210		ug/Kg		89	48 - 133
1,2,4-Trichlorobenzene	2500	2330		ug/Kg		93	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2230		ug/Kg		89	56 - 122
1,2-Dichlorobenzene	2500	2570		ug/Kg		103	78 - 125
1,2-Dichloroethane	2500	2510		ug/Kg		100	74 - 127
1,2-Dichloropropane	2500	2620		ug/Kg		105	80 - 120
1,3-Dichlorobenzene	2500	2650		ug/Kg		106	80 - 120
1,4-Dichlorobenzene	2500	2640		ug/Kg		105	80 - 120
2-Butanone (MEK)	12500	13500		ug/Kg		108	54 - 149
2-Hexanone	12500	12900		ug/Kg		103	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	11300		ug/Kg		90	74 - 120
Acetone	12500	7740		ug/Kg		62	47 - 141
Benzene	2500	2600		ug/Kg		104	77 - 125
Bromoform	2500	2620		ug/Kg		105	48 - 125
Bromomethane	2500	1990		ug/Kg		80	39 - 149
Carbon disulfide	2500	2070		ug/Kg		83	40 - 136
Carbon tetrachloride	2500	2570		ug/Kg		103	54 - 135
Chlorobenzene	2500	2720		ug/Kg		109	76 - 126
Chloroethane	2500	1980		ug/Kg		79	23 - 150
Chloroform	2500	2260		ug/Kg		91	78 - 120
Chloromethane	2500	2000		ug/Kg		80	61 - 124
cis-1,2-Dichloroethene	2500	2270		ug/Kg		91	79 - 124
Bromodichloromethane	2500	2600		ug/Kg		104	71 - 121
Cyclohexane	2500	2220		ug/Kg		89	49 - 129
Dibromochloromethane	2500	2710		ug/Kg		108	64 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-711745/1-A
Matrix: Solid
Analysis Batch: 711731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711745

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromoethane	2500	2750		ug/Kg		110	80 - 120
Dichlorodifluoromethane	2500	1790		ug/Kg		71	10 - 150
Ethylbenzene	2500	2720		ug/Kg		109	78 - 124
Isopropylbenzene	2500	2770		ug/Kg		111	76 - 120
Methyl acetate	5000	4910		ug/Kg		98	71 - 123
Methyl tert-butyl ether	2500	2270		ug/Kg		91	67 - 137
Methylcyclohexane	2500	2370		ug/Kg		95	50 - 130
Methylene Chloride	2500	2490		ug/Kg		100	75 - 118
Tetrachloroethene	2500	2770		ug/Kg		111	73 - 133
Toluene	2500	2630		ug/Kg		105	75 - 124
trans-1,2-Dichloroethene	2500	2350		ug/Kg		94	74 - 129
trans-1,3-Dichloropropene	2500	2910		ug/Kg		116	73 - 120
Trichloroethene	2500	2600		ug/Kg		104	75 - 131
Trichlorofluoromethane	2500	2020		ug/Kg		81	29 - 158
cis-1,3-Dichloropropene	2500	2930		ug/Kg		117	75 - 121
Vinyl chloride	2500	2410		ug/Kg		96	59 - 124
Styrene	2500	2630		ug/Kg		105	80 - 120
Xylenes, Total	5000	5220		ug/Kg		104	78 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*53 - 146*
4-Bromofluorobenzene (Surr)	*113*		*49 - 148*
Toluene-d8 (Surr)	*110*		*50 - 149*
Dibromofluoromethane (Surr)	*107*		*60 - 140*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-711214/1-A
Matrix: Solid
Analysis Batch: 711455

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	100	U	100	55	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
2,4,5-Trichlorophenol	170	U	170	46	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
2,4,6-Trichlorophenol	170	U	170	34	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
2,4-Dimethylphenol	170	U	170	41	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
2,4-Dinitrophenol	1700	U	1700	780	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
2,4-Dinitrotoluene	170	U	170	35	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
2-Chloronaphthalene	170	U	170	28	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
2-Chlorophenol	330	U	330	31	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
2-Methylnaphthalene	170	U	170	34	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
2-Methylphenol	170	U	170	20	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
2-Nitroaniline	330	U	330	25	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
2-Nitrophenol	170	U	170	48	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
3,3'-Dichlorobenzidine	330	U	330	200	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
3-Nitroaniline	330	U	330	47	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
4,6-Dinitro-2-methylphenol	330	U	330	170	ug/Kg		05/08/24 16:31	05/10/24 12:58	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-711214/1-A
Matrix: Solid
Analysis Batch: 711455

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	170	U	170	24	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
4-Chloro-3-methylphenol	170	U	170	42	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
4-Chloroaniline	170	U	170	42	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
4-Methylphenol	330	U	330	20	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
4-Nitroaniline	330	U	330	89	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
4-Nitrophenol	330	U	330	120	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Acenaphthene	170	U	170	25	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Acenaphthylene	170	U	170	22	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Acetophenone	170	U	170	23	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Anthracene	170	U	170	42	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Atrazine	170	U	170	59	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Benzaldehyde	170	U	170	140	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Biphenyl	170	U	170	25	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
bis (2-chloroisopropyl) ether	170	U	170	34	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Bis(2-chloroethoxy)methane	170	U	170	36	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Bis(2-ethylhexyl) phthalate	170	U	170	58	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Butyl benzyl phthalate	170	U	170	28	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Caprolactam	170	U	170	51	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Carbazole	170	U	170	20	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Chrysene	170	U	170	38	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Dibenzofuran	170	U	170	20	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Diethyl phthalate	170	U	170	22	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Dimethyl phthalate	170	U	170	20	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Di-n-butyl phthalate	170	U	170	29	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Fluoranthene	170	U	170	18	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Fluorene	170	U	170	20	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Hexachlorobenzene	170	U	170	23	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Hexachlorobutadiene	170	U	170	25	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Hexachlorocyclopentadiene	170	U	170	23	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Hexachloroethane	170	U	170	22	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Isophorone	170	U	170	36	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Naphthalene	170	U	170	22	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Nitrobenzene	170	U	170	19	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
N-Nitrosodi-n-propylamine	170	U	170	29	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
N-Nitrosodiphenylamine	170	U	170	140	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Pentachlorophenol	330	U	330	170	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Phenanthrene	170	U	170	25	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Phenol	170	U	170	26	ug/Kg		05/08/24 16:31	05/10/24 12:58	1
Pyrene	170	U	170	20	ug/Kg		05/08/24 16:31	05/10/24 12:58	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Furan, 2,5-dimethyl-	410	T J N	ug/Kg		1.75	625-86-5	05/08/24 16:31	05/10/24 12:58	1
Unknown	682	T J	ug/Kg		2.06	N/A	05/08/24 16:31	05/10/24 12:58	1
Pyridine	36.9	J	ug/Kg		2.19	110-86-1	05/08/24 16:31	05/10/24 12:58	1
Unknown	3130	T J	ug/Kg		3.60	N/A	05/08/24 16:31	05/10/24 12:58	1
Unknown	153	T J	ug/Kg		3.85	N/A	05/08/24 16:31	05/10/24 12:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	70		26 - 143	05/08/24 16:31	05/10/24 12:58	1
2-Fluorobiphenyl	83		50 - 121	05/08/24 16:31	05/10/24 12:58	1
2-Fluorophenol	77		36 - 120	05/08/24 16:31	05/10/24 12:58	1
Nitrobenzene-d5	77		40 - 121	05/08/24 16:31	05/10/24 12:58	1
Phenol-d5	78		41 - 120	05/08/24 16:31	05/10/24 12:58	1
p-Terphenyl-d14	94		46 - 143	05/08/24 16:31	05/10/24 12:58	1

Lab Sample ID: LCS 480-711214/2-A
Matrix: Solid
Analysis Batch: 711455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1670	869		ug/Kg		52	23 - 120
2,4,5-Trichlorophenol	1670	1550		ug/Kg		93	59 - 126
2,4,6-Trichlorophenol	1670	1540		ug/Kg		92	59 - 123
2,4-Dichlorophenol	1670	1410		ug/Kg		85	61 - 120
2,4-Dimethylphenol	1670	1460		ug/Kg		88	59 - 120
2,4-Dinitrophenol	3330	2100		ug/Kg		63	41 - 146
2,4-Dinitrotoluene	1670	1540		ug/Kg		93	63 - 120
2,6-Dinitrotoluene	1670	1550		ug/Kg		93	66 - 120
2-Chloronaphthalene	1670	1490		ug/Kg		89	57 - 120
2-Chlorophenol	1670	1360		ug/Kg		81	53 - 120
2-Methylnaphthalene	1670	1420		ug/Kg		85	59 - 120
2-Methylphenol	1670	1350		ug/Kg		81	54 - 120
2-Nitroaniline	1670	1510		ug/Kg		90	61 - 120
2-Nitrophenol	1670	1450		ug/Kg		87	56 - 120
3,3'-Dichlorobenzidine	3330	2540		ug/Kg		76	54 - 120
3-Nitroaniline	1670	1240		ug/Kg		74	48 - 120
4,6-Dinitro-2-methylphenol	3330	2700		ug/Kg		81	49 - 122
4-Bromophenyl phenyl ether	1670	1540		ug/Kg		92	58 - 120
4-Chloro-3-methylphenol	1670	1490		ug/Kg		89	61 - 120
4-Chloroaniline	1670	1190		ug/Kg		71	38 - 120
4-Chlorophenyl phenyl ether	1670	1500		ug/Kg		90	63 - 124
4-Methylphenol	1670	1390		ug/Kg		83	55 - 120
4-Nitroaniline	1670	1380		ug/Kg		83	56 - 120
4-Nitrophenol	3330	2670		ug/Kg		80	43 - 147
Acenaphthene	1670	1500		ug/Kg		90	62 - 120
Acenaphthylene	1670	1500		ug/Kg		90	58 - 121
Acetophenone	1670	1400		ug/Kg		84	54 - 120
Anthracene	1670	1500		ug/Kg		90	62 - 120
Atrazine	3330	2920		ug/Kg		88	60 - 127
Benzaldehyde	3330	2550		ug/Kg		76	10 - 150
Benzo[a]anthracene	1670	1530		ug/Kg		92	65 - 120
Benzo[a]pyrene	1670	1590		ug/Kg		95	64 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-711214/2-A
Matrix: Solid
Analysis Batch: 711455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[b]fluoranthene	1670	1620		ug/Kg		97	64 - 120
Benzo[g,h,i]perylene	1670	1410		ug/Kg		85	45 - 145
Benzo[k]fluoranthene	1670	1630		ug/Kg		98	65 - 120
Biphenyl	1670	1520		ug/Kg		91	59 - 120
bis (2-chloroisopropyl) ether	1670	1320		ug/Kg		79	44 - 120
Bis(2-chloroethoxy)methane	1670	1440		ug/Kg		86	55 - 120
Bis(2-chloroethyl)ether	1670	1390		ug/Kg		83	45 - 120
Bis(2-ethylhexyl) phthalate	1670	1520		ug/Kg		91	61 - 133
Butyl benzyl phthalate	1670	1600		ug/Kg		96	61 - 129
Caprolactam	3330	2960		ug/Kg		89	47 - 120
Carbazole	1670	1450		ug/Kg		87	65 - 120
Chrysene	1670	1460		ug/Kg		88	64 - 120
Dibenz(a,h)anthracene	1670	1380		ug/Kg		83	54 - 132
Dibenzofuran	1670	1490		ug/Kg		89	63 - 120
Diethyl phthalate	1670	1520		ug/Kg		91	66 - 120
Dimethyl phthalate	1670	1530		ug/Kg		92	65 - 124
Di-n-butyl phthalate	1670	1480		ug/Kg		89	58 - 130
Di-n-octyl phthalate	1670	1450		ug/Kg		87	57 - 133
Fluoranthene	1670	1410		ug/Kg		85	62 - 120
Fluorene	1670	1480		ug/Kg		89	63 - 120
Hexachlorobenzene	1670	1570		ug/Kg		94	60 - 120
Hexachlorobutadiene	1670	1380		ug/Kg		83	45 - 120
Hexachlorocyclopentadiene	1670	1470		ug/Kg		88	47 - 120
Hexachloroethane	1670	1270		ug/Kg		76	41 - 120
Indeno[1,2,3-cd]pyrene	1670	1440		ug/Kg		86	56 - 134
Isophorone	1670	1500		ug/Kg		90	56 - 120
Naphthalene	1670	1390		ug/Kg		83	55 - 120
Nitrobenzene	1670	1420		ug/Kg		85	54 - 120
N-Nitrosodi-n-propylamine	1670	1440		ug/Kg		87	52 - 120
Pentachlorophenol	3330	1790		ug/Kg		54	10 - 120
Phenanthrene	1670	1490		ug/Kg		89	60 - 120
Phenol	1670	1410		ug/Kg		84	53 - 120
Pyrene	1670	1670		ug/Kg		100	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*91*		*26 - 143*
2-Fluorobiphenyl	*93*		*50 - 121*
2-Fluorophenol	*80*		*36 - 120*
Nitrobenzene-d5	*86*		*40 - 121*
Phenol-d5	*83*		*41 - 120*
p-Terphenyl-d14	*95*		*46 - 143*

Lab Sample ID: MB 480-711416/1-A
Matrix: Solid
Analysis Batch: 711455

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711416

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	98	U	98	54	ug/Kg		05/09/24 16:25	05/10/24 15:58	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-711416/1-A
Matrix: Solid
Analysis Batch: 711455

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711416

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	170	U	170	45	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
2,4,6-Trichlorophenol	170	U	170	33	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
2,4-Dimethylphenol	170	U	170	40	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
2,4-Dinitrophenol	1600	U	1600	770	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
2,4-Dinitrotoluene	170	U	170	34	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
2-Chloronaphthalene	170	U	170	27	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
2-Chlorophenol	320	U	320	30	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
2-Methylnaphthalene	170	U	170	33	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
2-Methylphenol	170	U	170	20	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
2-Nitroaniline	320	U	320	24	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
2-Nitrophenol	170	U	170	47	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
3,3'-Dichlorobenzidine	320	U	320	200	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
3-Nitroaniline	320	U	320	46	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
4,6-Dinitro-2-methylphenol	320	U	320	170	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
4-Bromophenyl phenyl ether	170	U	170	23	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
4-Chloro-3-methylphenol	170	U	170	41	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
4-Chloroaniline	170	U	170	41	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
4-Methylphenol	320	U	320	20	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
4-Nitroaniline	320	U	320	87	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
4-Nitrophenol	320	U	320	120	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Acenaphthene	170	U	170	24	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Acenaphthylene	170	U	170	22	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Acetophenone	170	U	170	22	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Anthracene	170	U	170	41	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Atrazine	170	U	170	58	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Benzaldehyde	170	U	170	130	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Benzo[a]pyrene	170	U	170	24	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Benzo[b]fluoranthene	170	U	170	26	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Biphenyl	170	U	170	24	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
bis (2-chloroisopropyl) ether	170	U	170	33	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Bis(2-chloroethoxy)methane	170	U	170	35	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Bis(2-ethylhexyl) phthalate	170	U	170	57	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Butyl benzyl phthalate	170	U	170	27	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Caprolactam	170	U	170	50	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Carbazole	170	U	170	20	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Chrysene	170	U	170	37	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Dibenz(a,h)anthracene	170	U	170	29	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Dibenzofuran	170	U	170	20	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Diethyl phthalate	170	U	170	22	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Dimethyl phthalate	170	U	170	20	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Di-n-butyl phthalate	170	U	170	28	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		05/09/24 16:25	05/10/24 15:58	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-711416/1-A
Matrix: Solid
Analysis Batch: 711455

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711416

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	170	U	170	18	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Fluorene	170	U	170	20	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Hexachlorobenzene	170	U	170	22	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Hexachlorobutadiene	170	U	170	24	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Hexachlorocyclopentadiene	170	U	170	22	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Hexachloroethane	170	U	170	22	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Isophorone	170	U	170	35	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Naphthalene	170	U	170	22	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Nitrobenzene	170	U	170	19	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
N-Nitrosodi-n-propylamine	170	U	170	28	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
N-Nitrosodiphenylamine	170	U	170	130	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Pentachlorophenol	320	U	320	170	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Phenanthrene	170	U	170	24	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Phenol	170	U	170	25	ug/Kg		05/09/24 16:25	05/10/24 15:58	1
Pyrene	170	U	170	20	ug/Kg		05/09/24 16:25	05/10/24 15:58	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, 2,5-dimethyl-	*422*	*T J N*	*ug/Kg*		*1.76*	*625-86-5*	*05/09/24 16:25*	*05/10/24 15:58*	*1*
Unknown	*506*	*T J*	*ug/Kg*		*2.05*	*N/A*	*05/09/24 16:25*	*05/10/24 15:58*	*1*
Unknown	*3180*	*T J*	*ug/Kg*		*3.60*	*N/A*	*05/09/24 16:25*	*05/10/24 15:58*	*1*
Heptane, 2,3-dimethyl-	*144*	*T J N*	*ug/Kg*		*3.86*	*3074-71-3*	*05/09/24 16:25*	*05/10/24 15:58*	*1*
Heptane, 3,4-dimethyl-	*146*	*T J N*	*ug/Kg*		*3.90*	*922-28-1*	*05/09/24 16:25*	*05/10/24 15:58*	*1*
Ethane, 1,1,2,2-tetrachloro-	*189*	*T J N*	*ug/Kg*		*4.72*	*79-34-5*	*05/09/24 16:25*	*05/10/24 15:58*	*1*
Tritetracontane	*139*	*T J N*	*ug/Kg*		*13.32*	*7098-21-7*	*05/09/24 16:25*	*05/10/24 15:58*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*26 - 143*	*05/09/24 16:25*	*05/10/24 15:58*	*1*
2-Fluorobiphenyl	*91*		*50 - 121*	*05/09/24 16:25*	*05/10/24 15:58*	*1*
2-Fluorophenol	*80*		*36 - 120*	*05/09/24 16:25*	*05/10/24 15:58*	*1*
Nitrobenzene-d5	*84*		*40 - 121*	*05/09/24 16:25*	*05/10/24 15:58*	*1*
Phenol-d5	*82*		*41 - 120*	*05/09/24 16:25*	*05/10/24 15:58*	*1*
p-Terphenyl-d14	*101*		*46 - 143*	*05/09/24 16:25*	*05/10/24 15:58*	*1*

Lab Sample ID: LCS 480-711416/2-A
Matrix: Solid
Analysis Batch: 711455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711416

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	1620	769		ug/Kg		47	23 - 120
2,4,5-Trichlorophenol	1620	1490		ug/Kg		92	59 - 126
2,4,6-Trichlorophenol	1620	1500		ug/Kg		92	59 - 123
2,4-Dichlorophenol	1620	1430		ug/Kg		88	61 - 120
2,4-Dimethylphenol	1620	1230		ug/Kg		76	59 - 120
2,4-Dinitrophenol	3250	2300		ug/Kg		71	41 - 146
2,4-Dinitrotoluene	1620	1490		ug/Kg		92	63 - 120
2,6-Dinitrotoluene	1620	1510		ug/Kg		93	66 - 120
2-Chloronaphthalene	1620	1440		ug/Kg		88	57 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-711416/2-A
Matrix: Solid
Analysis Batch: 711455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711416

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	1620	1350		ug/Kg		83	53 - 120
2-Methylnaphthalene	1620	1400		ug/Kg		86	59 - 120
2-Methylphenol	1620	1320		ug/Kg		81	54 - 120
2-Nitroaniline	1620	1420		ug/Kg		88	61 - 120
2-Nitrophenol	1620	1440		ug/Kg		89	56 - 120
3,3'-Dichlorobenzidine	3250	2750		ug/Kg		85	54 - 120
3-Nitroaniline	1620	1190		ug/Kg		73	48 - 120
4,6-Dinitro-2-methylphenol	3250	2820		ug/Kg		87	49 - 122
4-Bromophenyl phenyl ether	1620	1560		ug/Kg		96	58 - 120
4-Chloro-3-methylphenol	1620	1500		ug/Kg		92	61 - 120
4-Chloroaniline	1620	1150		ug/Kg		71	38 - 120
4-Chlorophenyl phenyl ether	1620	1450		ug/Kg		89	63 - 124
4-Methylphenol	1620	1400		ug/Kg		86	55 - 120
4-Nitroaniline	1620	1320		ug/Kg		81	56 - 120
4-Nitrophenol	3250	2680		ug/Kg		83	43 - 147
Acenaphthene	1620	1470		ug/Kg		90	62 - 120
Acenaphthylene	1620	1420		ug/Kg		87	58 - 121
Acetophenone	1620	1400		ug/Kg		86	54 - 120
Anthracene	1620	1500		ug/Kg		93	62 - 120
Atrazine	3250	2810		ug/Kg		87	60 - 127
Benzaldehyde	3250	2730	E	ug/Kg		84	10 - 150
Benzo[a]anthracene	1620	1570		ug/Kg		97	65 - 120
Benzo[a]pyrene	1620	1590		ug/Kg		98	64 - 120
Benzo[b]fluoranthene	1620	1580		ug/Kg		97	64 - 120
Benzo[g,h,i]perylene	1620	1380		ug/Kg		85	45 - 145
Benzo[k]fluoranthene	1620	1790		ug/Kg		111	65 - 120
Biphenyl	1620	1440		ug/Kg		89	59 - 120
bis (2-chloroisopropyl) ether	1620	1270		ug/Kg		78	44 - 120
Bis(2-chloroethoxy)methane	1620	1390		ug/Kg		85	55 - 120
Bis(2-chloroethyl)ether	1620	1330		ug/Kg		82	45 - 120
Bis(2-ethylhexyl) phthalate	1620	1680		ug/Kg		104	61 - 133
Butyl benzyl phthalate	1620	1700		ug/Kg		105	61 - 129
Caprolactam	3250	2940		ug/Kg		90	47 - 120
Carbazole	1620	1440		ug/Kg		89	65 - 120
Chrysene	1620	1530		ug/Kg		94	64 - 120
Dibenz(a,h)anthracene	1620	1400		ug/Kg		86	54 - 132
Dibenzofuran	1620	1430		ug/Kg		88	63 - 120
Diethyl phthalate	1620	1500		ug/Kg		93	66 - 120
Dimethyl phthalate	1620	1510		ug/Kg		93	65 - 124
Di-n-butyl phthalate	1620	1500		ug/Kg		93	58 - 130
Di-n-octyl phthalate	1620	1590		ug/Kg		98	57 - 133
Fluoranthene	1620	1420		ug/Kg		87	62 - 120
Fluorene	1620	1480		ug/Kg		91	63 - 120
Hexachlorobenzene	1620	1520		ug/Kg		94	60 - 120
Hexachlorobutadiene	1620	1290		ug/Kg		80	45 - 120
Hexachlorocyclopentadiene	1620	1090		ug/Kg		67	47 - 120
Hexachloroethane	1620	1270		ug/Kg		79	41 - 120
Indeno[1,2,3-cd]pyrene	1620	1390		ug/Kg		86	56 - 134
Isophorone	1620	1450		ug/Kg		89	56 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-711416/2-A
Matrix: Solid
Analysis Batch: 711455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711416

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Naphthalene			1620	1350		ug/Kg		83	55 - 120		
Nitrobenzene			1620	1370		ug/Kg		84	54 - 120		
N-Nitrosodi-n-propylamine			1620	1400		ug/Kg		86	52 - 120		
Pentachlorophenol			3250	2000		ug/Kg		62	10 - 120		
Phenanthrene			1620	1500		ug/Kg		93	60 - 120		
Phenol			1620	1380		ug/Kg		85	53 - 120		
Pyrene			1620	1760		ug/Kg		108	61 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*93*		*26 - 143*
2-Fluorobiphenyl	*89*		*50 - 121*
2-Fluorophenol	*82*		*36 - 120*
Nitrobenzene-d5	*82*		*40 - 121*
Phenol-d5	*84*		*41 - 120*
p-Terphenyl-d14	*102*		*46 - 143*

Lab Sample ID: 480-219687-6 MS
Matrix: Solid
Analysis Batch: 711455

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711416

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane	150	U	2570	1280		ug/Kg	☼	50	13 - 120		
2,4,5-Trichlorophenol	260	U	2570	2380		ug/Kg	☼	93	46 - 120		
2,4,6-Trichlorophenol	260	U	2570	2380		ug/Kg	☼	92	41 - 123		
2,4-Dichlorophenol	260	U	2570	2240		ug/Kg	☼	87	45 - 120		
2,4-Dimethylphenol	260	U	2570	1970		ug/Kg	☼	77	52 - 120		
2,4-Dinitrophenol	2600	U	5150	2980		ug/Kg	☼	58	41 - 146		
2,4-Dinitrotoluene	260	U	2570	2420		ug/Kg	☼	94	63 - 125		
2,6-Dinitrotoluene	260	U	2570	2420		ug/Kg	☼	94	66 - 120		
2-Chloronaphthalene	260	U	2570	2360		ug/Kg	☼	92	57 - 120		
2-Chlorophenol	510	U	2570	2100		ug/Kg	☼	81	43 - 120		
2-Methylnaphthalene	260	U	2570	2230		ug/Kg	☼	87	55 - 120		
2-Methylphenol	260	U	2570	2020		ug/Kg	☼	79	48 - 120		
2-Nitroaniline	510	U	2570	2230		ug/Kg	☼	87	61 - 120		
2-Nitrophenol	260	U	2570	2340		ug/Kg	☼	91	37 - 120		
3,3'-Dichlorobenzidine	510	U	5150	4500		ug/Kg	☼	87	37 - 126		
3-Nitroaniline	510	U	2570	1980		ug/Kg	☼	77	48 - 120		
4,6-Dinitro-2-methylphenol	510	U	5150	3970		ug/Kg	☼	77	23 - 149		
4-Bromophenyl phenyl ether	260	U	2570	2390		ug/Kg	☼	93	58 - 120		
4-Chloro-3-methylphenol	260	U	2570	2310		ug/Kg	☼	90	49 - 125		
4-Chloroaniline	260	U	2570	1860		ug/Kg	☼	72	38 - 120		
4-Chlorophenyl phenyl ether	260	U	2570	2320		ug/Kg	☼	90	63 - 124		
4-Methylphenol	510	U	2570	2100		ug/Kg	☼	82	50 - 120		
4-Nitroaniline	510	U	2570	2040		ug/Kg	☼	79	47 - 120		
4-Nitrophenol	510	U	5150	4120		ug/Kg	☼	80	31 - 147		
Acenaphthene	260	U	2570	2310		ug/Kg	☼	90	60 - 120		
Acenaphthylene	260	U	2570	2320		ug/Kg	☼	90	58 - 121		
Acetophenone	260	U	2570	2150		ug/Kg	☼	84	47 - 120		

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-219687-6 MS
Matrix: Solid
Analysis Batch: 711455

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711416

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	260	U	2570	2360		ug/Kg	☼	92	62 - 120
Atrazine	260	U	5150	4460		ug/Kg	☼	87	60 - 150
Benzaldehyde	260	U	5150	4250	E	ug/Kg	☼	83	10 - 150
Benzo[a]anthracene	260	U	2570	2380		ug/Kg	☼	92	65 - 120
Benzo[a]pyrene	260	U	2570	2420		ug/Kg	☼	94	64 - 120
Benzo[b]fluoranthene	260	U	2570	2480		ug/Kg	☼	96	10 - 150
Benzo[g,h,i]perylene	260	U	2570	2500		ug/Kg	☼	97	45 - 145
Benzo[k]fluoranthene	260	U	2570	2560		ug/Kg	☼	99	23 - 150
Biphenyl	260	U	2570	2400		ug/Kg	☼	93	58 - 120
bis (2-chloroisopropyl) ether	260	U	2570	1880		ug/Kg	☼	73	31 - 120
Bis(2-chloroethoxy)methane	260	U	2570	2190		ug/Kg	☼	85	52 - 120
Bis(2-chloroethyl)ether	260	U	2570	2120		ug/Kg	☼	82	45 - 120
Bis(2-ethylhexyl) phthalate	260	U	2570	2480		ug/Kg	☼	96	61 - 133
Butyl benzyl phthalate	260	U	2570	2580		ug/Kg	☼	100	61 - 120
Caprolactam	260	U	5150	4470		ug/Kg	☼	87	37 - 133
Carbazole	260	U	2570	2330		ug/Kg	☼	90	59 - 120
Chrysene	260	U	2570	2400		ug/Kg	☼	93	64 - 120
Dibenz(a,h)anthracene	260	U	2570	2370		ug/Kg	☼	92	54 - 132
Dibenzofuran	260	U	2570	2300		ug/Kg	☼	89	62 - 120
Diethyl phthalate	260	U	2570	2330		ug/Kg	☼	91	66 - 120
Dimethyl phthalate	260	U	2570	2340		ug/Kg	☼	91	65 - 124
Di-n-butyl phthalate	260	U	2570	2340		ug/Kg	☼	91	58 - 130
Di-n-octyl phthalate	260	U	2570	2500		ug/Kg	☼	97	57 - 133
Fluoranthene	260	U	2570	2330		ug/Kg	☼	90	62 - 120
Fluorene	260	U	2570	2290		ug/Kg	☼	89	63 - 120
Hexachlorobenzene	260	U	2570	2450		ug/Kg	☼	95	60 - 120
Hexachlorobutadiene	260	U	2570	2250		ug/Kg	☼	88	45 - 120
Hexachlorocyclopentadiene	260	U	2570	1780		ug/Kg	☼	69	31 - 120
Hexachloroethane	260	U	2570	1960		ug/Kg	☼	76	21 - 120
Indeno[1,2,3-cd]pyrene	260	U	2570	2410		ug/Kg	☼	94	56 - 134
Isophorone	260	U	2570	2280		ug/Kg	☼	89	56 - 120
Naphthalene	260	U	2570	2210		ug/Kg	☼	86	46 - 120
Nitrobenzene	260	U	2570	2210		ug/Kg	☼	86	49 - 120
N-Nitrosodi-n-propylamine	260	U	2570	2090		ug/Kg	☼	81	46 - 120
Pentachlorophenol	510	U	5150	3180		ug/Kg	☼	62	10 - 136
Phenanthrene	260	U	2570	2380		ug/Kg	☼	92	60 - 122
Phenol	260	U	2570	2100		ug/Kg	☼	82	50 - 120
Pyrene	260	U	2570	2580		ug/Kg	☼	100	61 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*91*		*26 - 143*
2-Fluorobiphenyl	*88*		*50 - 121*
2-Fluorophenol	*73*		*36 - 120*
Nitrobenzene-d5	*79*		*40 - 121*
Phenol-d5	*78*		*41 - 120*
p-Terphenyl-d14	*91*		*46 - 143*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-219687-6 MSD
Matrix: Solid
Analysis Batch: 711455

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711416

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	150	U	2580	1270		ug/Kg	☼	49	13 - 120	1	50
2,4,5-Trichlorophenol	260	U	2580	2460		ug/Kg	☼	95	46 - 120	3	18
2,4,6-Trichlorophenol	260	U	2580	2500		ug/Kg	☼	97	41 - 123	5	19
2,4-Dichlorophenol	260	U	2580	2280		ug/Kg	☼	89	45 - 120	2	19
2,4-Dimethylphenol	260	U	2580	2020		ug/Kg	☼	78	52 - 120	2	42
2,4-Dinitrophenol	2600	U	5150	2820		ug/Kg	☼	55	41 - 146	5	22
2,4-Dinitrotoluene	260	U	2580	2370		ug/Kg	☼	92	63 - 125	2	20
2,6-Dinitrotoluene	260	U	2580	2490		ug/Kg	☼	97	66 - 120	3	15
2-Chloronaphthalene	260	U	2580	2370		ug/Kg	☼	92	57 - 120	1	21
2-Chlorophenol	510	U	2580	2130		ug/Kg	☼	83	43 - 120	2	25
2-Methylnaphthalene	260	U	2580	2230		ug/Kg	☼	87	55 - 120	0	21
2-Methylphenol	260	U	2580	2140		ug/Kg	☼	83	48 - 120	6	27
2-Nitroaniline	510	U	2580	2210		ug/Kg	☼	86	61 - 120	1	15
2-Nitrophenol	260	U	2580	2350		ug/Kg	☼	91	37 - 120	1	18
3,3'-Dichlorobenzidine	510	U	5150	4970		ug/Kg	☼	97	37 - 126	10	25
3-Nitroaniline	510	U	2580	2040		ug/Kg	☼	79	48 - 120	3	19
4,6-Dinitro-2-methylphenol	510	U	5150	4270		ug/Kg	☼	83	23 - 149	7	15
4-Bromophenyl phenyl ether	260	U	2580	2510		ug/Kg	☼	98	58 - 120	5	15
4-Chloro-3-methylphenol	260	U	2580	2280		ug/Kg	☼	89	49 - 125	1	27
4-Chloroaniline	260	U	2580	1880		ug/Kg	☼	73	38 - 120	1	22
4-Chlorophenyl phenyl ether	260	U	2580	2320		ug/Kg	☼	90	63 - 124	0	16
4-Methylphenol	510	U	2580	2220		ug/Kg	☼	86	50 - 120	6	24
4-Nitroaniline	510	U	2580	2100		ug/Kg	☼	82	47 - 120	3	24
4-Nitrophenol	510	U	5150	4160		ug/Kg	☼	81	31 - 147	1	25
Acenaphthene	260	U	2580	2320		ug/Kg	☼	90	60 - 120	1	35
Acenaphthylene	260	U	2580	2310		ug/Kg	☼	89	58 - 121	1	18
Acetophenone	260	U	2580	2230		ug/Kg	☼	86	47 - 120	3	20
Anthracene	260	U	2580	2460		ug/Kg	☼	96	62 - 120	4	15
Atrazine	260	U	5150	4470		ug/Kg	☼	87	60 - 150	0	20
Benzaldehyde	260	U	5150	4360	E	ug/Kg	☼	85	10 - 150	2	20
Benzo[a]anthracene	260	U	2580	2600		ug/Kg	☼	101	65 - 120	9	15
Benzo[a]pyrene	260	U	2580	2630		ug/Kg	☼	102	64 - 120	8	15
Benzo[b]fluoranthene	260	U	2580	2570		ug/Kg	☼	100	10 - 150	4	15
Benzo[g,h,i]perylene	260	U	2580	2860		ug/Kg	☼	111	45 - 145	13	15
Benzo[k]fluoranthene	260	U	2580	2530		ug/Kg	☼	98	23 - 150	1	22
Biphenyl	260	U	2580	2400		ug/Kg	☼	93	58 - 120	0	20
bis (2-chloroisopropyl) ether	260	U	2580	1910		ug/Kg	☼	74	31 - 120	2	24
Bis(2-chloroethoxy)methane	260	U	2580	2180		ug/Kg	☼	85	52 - 120	0	17
Bis(2-chloroethyl)ether	260	U	2580	2120		ug/Kg	☼	82	45 - 120	0	21
Bis(2-ethylhexyl) phthalate	260	U	2580	2590		ug/Kg	☼	101	61 - 133	5	15
Butyl benzyl phthalate	260	U	2580	2750		ug/Kg	☼	107	61 - 120	6	16
Caprolactam	260	U	5150	4610		ug/Kg	☼	89	37 - 133	3	20
Carbazole	260	U	2580	2340		ug/Kg	☼	91	59 - 120	1	20
Chrysene	260	U	2580	2540		ug/Kg	☼	99	64 - 120	6	15
Dibenz(a,h)anthracene	260	U	2580	2690		ug/Kg	☼	105	54 - 132	13	15
Dibenzofuran	260	U	2580	2370		ug/Kg	☼	92	62 - 120	3	15
Diethyl phthalate	260	U	2580	2390		ug/Kg	☼	93	66 - 120	2	15
Dimethyl phthalate	260	U	2580	2430		ug/Kg	☼	94	65 - 124	4	15

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-219687-6 MSD
Matrix: Solid
Analysis Batch: 711455

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711416

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Di-n-butyl phthalate	260	U	2580	2420		ug/Kg	☼	94	58 - 130	3	15
Di-n-octyl phthalate	260	U	2580	2500		ug/Kg	☼	97	57 - 133	0	16
Fluoranthene	260	U	2580	2310		ug/Kg	☼	90	62 - 120	1	15
Fluorene	260	U	2580	2330		ug/Kg	☼	90	63 - 120	2	15
Hexachlorobenzene	260	U	2580	2560		ug/Kg	☼	100	60 - 120	5	15
Hexachlorobutadiene	260	U	2580	2200		ug/Kg	☼	85	45 - 120	2	44
Hexachlorocyclopentadiene	260	U	2580	1710		ug/Kg	☼	66	31 - 120	4	49
Hexachloroethane	260	U	2580	2020		ug/Kg	☼	78	21 - 120	3	46
Indeno[1,2,3-cd]pyrene	260	U	2580	2800		ug/Kg	☼	109	56 - 134	15	15
Isophorone	260	U	2580	2300		ug/Kg	☼	89	56 - 120	1	17
Naphthalene	260	U	2580	2160		ug/Kg	☼	84	46 - 120	2	29
Nitrobenzene	260	U	2580	2150		ug/Kg	☼	83	49 - 120	3	24
N-Nitrosodi-n-propylamine	260	U	2580	2200		ug/Kg	☼	86	46 - 120	5	31
Pentachlorophenol	510	U	5150	3220		ug/Kg	☼	63	10 - 136	1	35
Phenanthrene	260	U	2580	2450		ug/Kg	☼	95	60 - 122	3	15
Phenol	260	U	2580	2210		ug/Kg	☼	86	50 - 120	5	35
Pyrene	260	U	2580	2780		ug/Kg	☼	108	61 - 133	8	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*95*		*26 - 143*
2-Fluorobiphenyl	*95*		*50 - 121*
2-Fluorophenol	*84*		*36 - 120*
Nitrobenzene-d5	*82*		*40 - 121*
Phenol-d5	*85*		*41 - 120*
p-Terphenyl-d14	*105*		*46 - 143*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-711277/1-A
Matrix: Solid
Analysis Batch: 711518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.7	U	1.7	0.32	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
4,4'-DDE	1.7	U	1.7	0.35	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
4,4'-DDT	1.7	U	1.7	0.39	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
Aldrin	1.7	U	1.7	0.41	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
alpha-BHC	1.7	U	1.7	0.30	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
beta-BHC	1.7	U	1.7	0.30	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
cis-Chlordane	1.7	U	1.7	0.83	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
delta-BHC	1.7	U	1.7	0.31	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
Dieldrin	1.7	U	1.7	0.40	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
Endosulfan I	1.7	U	1.7	0.32	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
Endosulfan II	1.7	U	1.7	0.30	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
Endosulfan sulfate	1.7	U	1.7	0.31	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
Endrin	1.7	U	1.7	0.33	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
Endrin aldehyde	1.7	U	1.7	0.43	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
Endrin ketone	1.7	U	1.7	0.41	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
gamma-BHC (Lindane)	1.7	U	1.7	0.31	ug/Kg		05/09/24 08:12	05/10/24 17:26	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-711277/1-A
Matrix: Solid
Analysis Batch: 711518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	1.7	U	1.7	0.36	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
Heptachlor epoxide	1.7	U	1.7	0.43	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
Methoxychlor	1.7	U	1.7	0.34	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
Toxaphene	17	U	17	9.7	ug/Kg		05/09/24 08:12	05/10/24 17:26	1
trans-Chlordane	1.7	U	1.7	0.53	ug/Kg		05/09/24 08:12	05/10/24 17:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*45 - 120*	*05/09/24 08:12*	*05/10/24 17:26*	*1*
DCB Decachlorobiphenyl	*111*		*45 - 120*	*05/09/24 08:12*	*05/10/24 17:26*	*1*
Tetrachloro-m-xylene	*91*		*30 - 124*	*05/09/24 08:12*	*05/10/24 17:26*	*1*
Tetrachloro-m-xylene	*89*		*30 - 124*	*05/09/24 08:12*	*05/10/24 17:26*	*1*

Lab Sample ID: LCS 480-711277/2-A
Matrix: Solid
Analysis Batch: 711518

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	16.7	17.5		ug/Kg		105	56 - 120
4,4'-DDE	16.7	16.3		ug/Kg		98	44 - 120
4,4'-DDT	16.7	18.6		ug/Kg		112	38 - 120
Aldrin	16.7	16.7		ug/Kg		100	38 - 120
alpha-BHC	16.7	11.3		ug/Kg		68	39 - 120
beta-BHC	16.7	14.8		ug/Kg		89	40 - 120
cis-Chlordane	16.7	14.0		ug/Kg		84	47 - 120
delta-BHC	16.7	14.8		ug/Kg		89	45 - 120
Dieldrin	16.7	18.5		ug/Kg		111	58 - 120
Endosulfan I	16.7	16.3		ug/Kg		98	49 - 120
Endosulfan II	16.7	19.2		ug/Kg		115	55 - 120
Endosulfan sulfate	16.7	19.0		ug/Kg		114	49 - 124
Endrin	16.7	17.7		ug/Kg		106	58 - 120
Endrin aldehyde	16.7	15.1		ug/Kg		91	37 - 121
Endrin ketone	16.7	19.1		ug/Kg		115	46 - 123
gamma-BHC (Lindane)	16.7	13.9		ug/Kg		83	50 - 120
Heptachlor	16.7	18.0		ug/Kg		108	50 - 120
Heptachlor epoxide	16.7	19.2		ug/Kg		115	50 - 120
Methoxychlor	16.7	21.1		ug/Kg		127	58 - 133
trans-Chlordane	16.7	15.9		ug/Kg		95	48 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*89*		*45 - 120*
DCB Decachlorobiphenyl	*107*		*45 - 120*
Tetrachloro-m-xylene	*84*		*30 - 124*
Tetrachloro-m-xylene	*89*		*30 - 124*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 480-711277/3-A
Matrix: Solid
Analysis Batch: 711518

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 711277

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			16.7	16.0		ug/Kg		96	56 - 120	9	18
4,4'-DDE			16.7	15.0		ug/Kg		90	44 - 120	8	16
4,4'-DDT			16.7	17.4		ug/Kg		105	38 - 120	6	17
Aldrin			16.7	15.2		ug/Kg		91	38 - 120	9	24
alpha-BHC			16.7	10.3		ug/Kg		62	39 - 120	10	19
beta-BHC			16.7	13.8		ug/Kg		83	40 - 120	7	17
cis-Chlordane			16.7	12.5		ug/Kg		75	47 - 120	11	13
delta-BHC			16.7	13.5		ug/Kg		81	45 - 120	9	14
Dieldrin			16.7	16.6		ug/Kg		99	58 - 120	11	13
Endosulfan I			16.7	15.1		ug/Kg		90	49 - 120	8	16
Endosulfan II			16.7	18.0		ug/Kg		108	55 - 120	6	17
Endosulfan sulfate			16.7	17.5		ug/Kg		105	49 - 124	8	14
Endrin			16.7	16.2		ug/Kg		97	58 - 120	9	19
Endrin aldehyde			16.7	13.9		ug/Kg		83	37 - 121	9	23
Endrin ketone			16.7	17.3		ug/Kg		104	46 - 123	10	14
gamma-BHC (Lindane)			16.7	12.8		ug/Kg		77	50 - 120	8	20
Heptachlor			16.7	16.5		ug/Kg		99	50 - 120	9	16
Heptachlor epoxide			16.7	17.5		ug/Kg		105	50 - 120	9	17
Methoxychlor			16.7	19.5		ug/Kg		117	58 - 133	8	14
trans-Chlordane			16.7	14.7		ug/Kg		88	48 - 120	8	14

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*84*		*45 - 120*
DCB Decachlorobiphenyl	*100*		*45 - 120*
Tetrachloro-m-xylene	*76*		*30 - 124*
Tetrachloro-m-xylene	*78*		*30 - 124*

Lab Sample ID: MB 480-711473/1-A
Matrix: Solid
Analysis Batch: 711724

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711473

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.7	U	1.7	0.32	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
4,4'-DDE	1.7	U	1.7	0.35	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
4,4'-DDT	1.7	U	1.7	0.39	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
Aldrin	1.7	U	1.7	0.41	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
alpha-BHC	1.7	U	1.7	0.30	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
beta-BHC	1.7	U	1.7	0.30	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
cis-Chlordane	1.7	U	1.7	0.83	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
delta-BHC	1.7	U	1.7	0.31	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
Dieldrin	1.7	U	1.7	0.40	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
Endosulfan I	1.7	U	1.7	0.32	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
Endosulfan II	1.7	U	1.7	0.30	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
Endosulfan sulfate	1.7	U	1.7	0.31	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
Endrin	1.7	U	1.7	0.33	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
Endrin aldehyde	1.7	U	1.7	0.43	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
Endrin ketone	1.7	U	1.7	0.41	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
gamma-BHC (Lindane)	1.7	U	1.7	0.31	ug/Kg		05/10/24 08:08	05/13/24 10:22	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-711473/1-A
Matrix: Solid
Analysis Batch: 711724

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711473

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	1.7	U	1.7	0.36	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
Heptachlor epoxide	1.7	U	1.7	0.43	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
Methoxychlor	1.7	U	1.7	0.34	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
Toxaphene	17	U	17	9.7	ug/Kg		05/10/24 08:08	05/13/24 10:22	1
trans-Chlordane	1.7	U	1.7	0.53	ug/Kg		05/10/24 08:08	05/13/24 10:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*45 - 120*	*05/10/24 08:08*	*05/13/24 10:22*	*1*
DCB Decachlorobiphenyl	*96*		*45 - 120*	*05/10/24 08:08*	*05/13/24 10:22*	*1*
Tetrachloro-m-xylene	*76*		*30 - 124*	*05/10/24 08:08*	*05/13/24 10:22*	*1*
Tetrachloro-m-xylene	*79*		*30 - 124*	*05/10/24 08:08*	*05/13/24 10:22*	*1*

Lab Sample ID: LCS 480-711473/2-A
Matrix: Solid
Analysis Batch: 711724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711473

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	16.7	15.1		ug/Kg		90	56 - 120
4,4'-DDE	16.7	12.9		ug/Kg		78	44 - 120
4,4'-DDT	16.7	16.3		ug/Kg		98	38 - 120
Aldrin	16.7	12.5		ug/Kg		75	38 - 120
alpha-BHC	16.7	9.24		ug/Kg		55	39 - 120
beta-BHC	16.7	12.7		ug/Kg		76	40 - 120
cis-Chlordane	16.7	11.1		ug/Kg		67	47 - 120
delta-BHC	16.7	11.9		ug/Kg		71	45 - 120
Dieldrin	16.7	14.8		ug/Kg		89	58 - 120
Endosulfan I	16.7	13.3		ug/Kg		80	49 - 120
Endosulfan II	16.7	16.3		ug/Kg		98	55 - 120
Endosulfan sulfate	16.7	16.2		ug/Kg		97	49 - 124
Endrin	16.7	14.5		ug/Kg		87	58 - 120
Endrin aldehyde	16.7	10.9		ug/Kg		66	37 - 121
Endrin ketone	16.7	16.6		ug/Kg		99	46 - 123
gamma-BHC (Lindane)	16.7	11.2		ug/Kg		67	50 - 120
Heptachlor	16.7	13.9		ug/Kg		83	50 - 120
Heptachlor epoxide	16.7	15.3		ug/Kg		92	50 - 120
Methoxychlor	16.7	18.7		ug/Kg		112	58 - 133
trans-Chlordane	16.7	13.3		ug/Kg		80	48 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*80*		*45 - 120*
DCB Decachlorobiphenyl	*92*		*45 - 120*
Tetrachloro-m-xylene	*68*		*30 - 124*
Tetrachloro-m-xylene	*69*		*30 - 124*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-219687-6 MS
Matrix: Solid
Analysis Batch: 711724

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711473

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	2.6	U	25.5	24.9		ug/Kg	☼	98	37 - 126
4,4'-DDE	2.6	U	25.5	22.7		ug/Kg	☼	89	34 - 120
4,4'-DDT	2.6	U	25.5	27.9		ug/Kg	☼	109	43 - 123
Aldrin	2.6	U	25.5	23.1		ug/Kg	☼	91	37 - 125
alpha-BHC	2.6	U	25.5	16.4		ug/Kg	☼	64	39 - 120
beta-BHC	2.6	U	25.5	21.0		ug/Kg	☼	82	36 - 120
cis-Chlordane	2.6	U	25.5	19.3		ug/Kg	☼	76	35 - 120
delta-BHC	2.6	U	25.5	20.5		ug/Kg	☼	81	34 - 120
Dieldrin	2.6	U F2	25.5	26.1		ug/Kg	☼	102	45 - 120
Endosulfan I	2.6	U	25.5	22.8		ug/Kg	☼	90	39 - 120
Endosulfan II	2.6	U	25.5	27.4		ug/Kg	☼	108	34 - 126
Endosulfan sulfate	2.6	U	25.5	27.3		ug/Kg	☼	107	27 - 130
Endrin	2.6	U	25.5	24.7		ug/Kg	☼	97	47 - 121
Endrin aldehyde	2.6	U	25.5	20.3		ug/Kg	☼	80	33 - 123
Endrin ketone	2.6	U	25.5	28.2		ug/Kg	☼	111	43 - 126
gamma-BHC (Lindane)	2.6	U	25.5	19.4		ug/Kg	☼	76	50 - 120
Heptachlor	2.6	U	25.5	24.8		ug/Kg	☼	97	42 - 120
Heptachlor epoxide	2.6	U	25.5	26.8		ug/Kg	☼	105	40 - 120
Methoxychlor	2.6	U	25.5	29.9		ug/Kg	☼	117	44 - 150
trans-Chlordane	2.6	U	25.5	22.2		ug/Kg	☼	87	31 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*92*		*45 - 120*
DCB Decachlorobiphenyl	*104*		*45 - 120*
Tetrachloro-m-xylene	*77*		*30 - 124*
Tetrachloro-m-xylene	*78*		*30 - 124*

Lab Sample ID: 480-219687-6 MSD
Matrix: Solid
Analysis Batch: 711724

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711473

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	2.6	U	25.5	22.7		ug/Kg	☼	89	37 - 126	9	21
4,4'-DDE	2.6	U	25.5	20.4		ug/Kg	☼	80	34 - 120	10	18
4,4'-DDT	2.6	U	25.5	25.2		ug/Kg	☼	99	43 - 123	10	25
Aldrin	2.6	U	25.5	20.6		ug/Kg	☼	81	37 - 125	11	12
alpha-BHC	2.6	U	25.5	14.8		ug/Kg	☼	58	39 - 120	10	15
beta-BHC	2.6	U	25.5	18.9		ug/Kg	☼	74	36 - 120	10	19
cis-Chlordane	2.6	U	25.5	17.3		ug/Kg	☼	68	35 - 120	11	23
delta-BHC	2.6	U	25.5	18.9		ug/Kg	☼	74	34 - 120	8	14
Dieldrin	2.6	U F2	25.5	22.9	F2	ug/Kg	☼	90	45 - 120	13	12
Endosulfan I	2.6	U	25.5	20.7		ug/Kg	☼	81	39 - 120	10	18
Endosulfan II	2.6	U	25.5	24.7		ug/Kg	☼	97	34 - 126	10	26
Endosulfan sulfate	2.6	U	25.5	24.4		ug/Kg	☼	96	27 - 130	11	35
Endrin	2.6	U	25.5	22.7		ug/Kg	☼	89	47 - 121	9	20
Endrin aldehyde	2.6	U	25.5	17.5		ug/Kg	☼	69	33 - 123	15	47
Endrin ketone	2.6	U	25.5	25.8		ug/Kg	☼	101	43 - 126	9	37
gamma-BHC (Lindane)	2.6	U	25.5	17.5		ug/Kg	☼	68	50 - 120	10	12

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-219687-6 MSD
Matrix: Solid
Analysis Batch: 711724

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711473

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Heptachlor	2.6	U	25.5	22.3		ug/Kg	☼	87	42 - 120	11	22
Heptachlor epoxide	2.6	U	25.5	24.4		ug/Kg	☼	96	40 - 120	9	15
Methoxychlor	2.6	U	25.5	27.5		ug/Kg	☼	108	44 - 150	8	24
trans-Chlordane	2.6	U	25.5	20.2		ug/Kg	☼	79	31 - 120	9	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*45 - 120*
DCB Decachlorobiphenyl	*97*		*45 - 120*
Tetrachloro-m-xylene	*64*		*30 - 124*
Tetrachloro-m-xylene	*73*		*30 - 124*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-711224/1-A
Matrix: Solid
Analysis Batch: 711366

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711224

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.25	0.049	mg/Kg		05/08/24 16:44	05/09/24 20:43	1
PCB-1221	0.25	U	0.25	0.049	mg/Kg		05/08/24 16:44	05/09/24 20:43	1
PCB-1232	0.25	U	0.25	0.049	mg/Kg		05/08/24 16:44	05/09/24 20:43	1
PCB-1242	0.25	U	0.25	0.049	mg/Kg		05/08/24 16:44	05/09/24 20:43	1
PCB-1248	0.25	U	0.25	0.049	mg/Kg		05/08/24 16:44	05/09/24 20:43	1
PCB-1254	0.25	U	0.25	0.12	mg/Kg		05/08/24 16:44	05/09/24 20:43	1
PCB-1260	0.25	U	0.25	0.12	mg/Kg		05/08/24 16:44	05/09/24 20:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*116*		*65 - 174*	*05/08/24 16:44*	*05/09/24 20:43*	*1*
DCB Decachlorobiphenyl	*115*		*65 - 174*	*05/08/24 16:44*	*05/09/24 20:43*	*1*
Tetrachloro-m-xylene	*118*		*60 - 154*	*05/08/24 16:44*	*05/09/24 20:43*	*1*
Tetrachloro-m-xylene	*107*		*60 - 154*	*05/08/24 16:44*	*05/09/24 20:43*	*1*

Lab Sample ID: LCS 480-711224/2-A
Matrix: Solid
Analysis Batch: 711366

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711224

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2.50	3.16		mg/Kg		126	51 - 185		
PCB-1260			2.50	3.14		mg/Kg		126	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*134*		*65 - 174*
DCB Decachlorobiphenyl	*135*		*65 - 174*
Tetrachloro-m-xylene	*133*		*60 - 154*
Tetrachloro-m-xylene	*125*		*60 - 154*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-711419/1-A
Matrix: Solid
Analysis Batch: 711826

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711419

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.22	U	0.22	0.044	mg/Kg		05/09/24 16:28	05/13/24 22:26	1
PCB-1221	0.22	U	0.22	0.044	mg/Kg		05/09/24 16:28	05/13/24 22:26	1
PCB-1232	0.22	U	0.22	0.044	mg/Kg		05/09/24 16:28	05/13/24 22:26	1
PCB-1242	0.22	U	0.22	0.044	mg/Kg		05/09/24 16:28	05/13/24 22:26	1
PCB-1248	0.22	U	0.22	0.044	mg/Kg		05/09/24 16:28	05/13/24 22:26	1
PCB-1254	0.22	U	0.22	0.10	mg/Kg		05/09/24 16:28	05/13/24 22:26	1
PCB-1260	0.22	U	0.22	0.10	mg/Kg		05/09/24 16:28	05/13/24 22:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*124*		*65 - 174*	*05/09/24 16:28*	*05/13/24 22:26*	*1*
DCB Decachlorobiphenyl	*125*		*65 - 174*	*05/09/24 16:28*	*05/13/24 22:26*	*1*
Tetrachloro-m-xylene	*120*		*60 - 154*	*05/09/24 16:28*	*05/13/24 22:26*	*1*
Tetrachloro-m-xylene	*111*		*60 - 154*	*05/09/24 16:28*	*05/13/24 22:26*	*1*

Lab Sample ID: LCS 480-711419/2-A
Matrix: Solid
Analysis Batch: 711826

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711419

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1.92	2.54		mg/Kg		132	51 - 185		
PCB-1260			1.92	2.67		mg/Kg		139	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*143*		*65 - 174*
DCB Decachlorobiphenyl	*148*		*65 - 174*
Tetrachloro-m-xylene	*139*		*60 - 154*
Tetrachloro-m-xylene	*124*		*60 - 154*

Lab Sample ID: 480-219687-6 MS
Matrix: Solid
Analysis Batch: 711826

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711419

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	0.30	U	3.67	4.49		mg/Kg	☼	122	50 - 177		
PCB-1260	0.30	U	3.67	4.74		mg/Kg	☼	129	33 - 200		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*133*		*65 - 174*
DCB Decachlorobiphenyl	*137*		*65 - 174*
Tetrachloro-m-xylene	*126*		*60 - 154*
Tetrachloro-m-xylene	*117*		*60 - 154*

Lab Sample ID: 480-219687-6 MSD
Matrix: Solid
Analysis Batch: 711826

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711419

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	0.30	U	2.91	3.56		mg/Kg	☼	122	50 - 177	23	50

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 480-219687-6 MSD
Matrix: Solid
Analysis Batch: 711826

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711419

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1260	0.30	U	2.91	3.90		mg/Kg	☼	134	33 - 200	19	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*129*		*65 - 174*
DCB Decachlorobiphenyl	*134*		*65 - 174*
Tetrachloro-m-xylene	*125*		*60 - 154*
Tetrachloro-m-xylene	*116*		*60 - 154*

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 280-653714/1-A
Matrix: Solid
Analysis Batch: 654056

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 653714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.80	U	0.80	0.037	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluoropentanoic acid (PFPeA)	0.40	U	0.40	0.021	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.021	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.022	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.042	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.012	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.075	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.028	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.056	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.028	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.017	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.014	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.013	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.020	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.028	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.056	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.028	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.020	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.017	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
4:2 FTS	0.80	U	0.80	0.077	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
6:2 FTS	0.80	U	0.80	0.48	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
8:2 FTS	0.80	U	0.80	0.12	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.012	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
NMeFOSA	0.20	U	0.20	0.024	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
NEtFOSA	0.20	U	0.20	0.031	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
NMeFOSAA	0.20	U	0.20	0.025	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
NEtFOSAA	0.20	U	0.20	0.024	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
NMeFOSE	2.0	U	2.0	0.099	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
NEtFOSE	2.0	U	2.0	0.11	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
HFPO-DA (GenX)	0.80	U	0.80	0.094	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.80	U	0.80	0.081	ug/Kg		05/17/24 07:11	05/20/24 16:12	1

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 280-653714/1-A
Matrix: Solid
Analysis Batch: 654056

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 653714

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PFMBA	0.40	U	0.40	0.019	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
NFDHA	0.40	U	0.40	0.048	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
PFMPA	0.40	U	0.40	0.091	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
9Cl-PF3ONS	0.80	U	0.80	0.051	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
11Cl-PF3OUdS	0.80	U	0.80	0.12	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
PFEESA	0.40	U	0.40	0.040	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
3:3 FTCA	1.0	U	1.0	0.18	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
5:3 FTCA	5.0	U	5.0	0.37	ug/Kg		05/17/24 07:11	05/20/24 16:12	1
7:3 FTCA	5.0	U	5.0	0.31	ug/Kg		05/17/24 07:11	05/20/24 16:12	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*39*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
13C5 PFPeA	*85*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
13C5 PFHxA	*87*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
13C4 PFHpA	*87*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
13C8 PFOA	*89*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
13C9 PFNA	*82*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
13C6 PFDA	*79*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
13C7 PFUnA	*79*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
13C2 PFDoA	*70*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
13C2 PFTeDA	*56*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
13C3 PFBS	*86*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
13C3 PFHxS	*88*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
13C8 PFOS	*82*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
13C8 FOSA	*74*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
d3-NMeFOSAA	*78*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
d5-NEtFOSAA	*68*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
M2-4:2 FTS	*94*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
M2-6:2 FTS	*96*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
M2-8:2 FTS	*99*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
13C3 HFPO-DA	*91*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
d7-N-MeFOSE-M	*46*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
d9-N-EtFOSE-M	*43*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
d5-NEtPFOSA	*44*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*
d3-NMePFOSA	*47*		*20 - 150*	*05/17/24 07:11*	*05/20/24 16:12*	*1*

Lab Sample ID: LCS 280-653714/3-A
Matrix: Solid
Analysis Batch: 654056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653714

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	3.20	3.08		ug/Kg		96	40 - 150
Perfluoropentanoic acid (PFPeA)	3.20	2.86	I	ug/Kg		89	40 - 150
Perfluorohexanoic acid (PFHxA)	3.20	3.27		ug/Kg		102	40 - 150
Perfluoroheptanoic acid (PFHpA)	3.20	2.83		ug/Kg		88	40 - 150
Perfluorooctanoic acid (PFOA)	3.20	2.68		ug/Kg		84	40 - 150
Perfluorononanoic acid (PFNA)	3.20	3.07		ug/Kg		96	40 - 150
Perfluorodecanoic acid (PFDA)	3.20	3.24		ug/Kg		101	40 - 150

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 280-653714/3-A
Matrix: Solid
Analysis Batch: 654056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653714

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	3.20	3.56		ug/Kg		111	40 - 150
Perfluorododecanoic acid (PFDoA)	3.20	3.94		ug/Kg		123	40 - 150
Perfluorotridecanoic acid (PFTriA)	3.20	3.32		ug/Kg		104	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	3.20	2.93		ug/Kg		92	40 - 150
Perfluorobutanesulfonic acid (PFBS)	2.84	3.02		ug/Kg		106	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	3.00	2.64		ug/Kg		88	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.92	3.00		ug/Kg		103	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	3.05	2.81		ug/Kg		92	40 - 150
Perfluorooctanesulfonic acid (PFOS)	2.98	2.79		ug/Kg		94	40 - 150
Perfluorononanesulfonic acid (PFNS)	3.08	2.91		ug/Kg		95	40 - 150
Perfluorodecanesulfonic acid (PFDS)	3.08	2.64		ug/Kg		86	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	3.10	2.34		ug/Kg		75	40 - 150
4:2 FTS	7.98	7.05		ug/Kg		88	40 - 150
6:2 FTS	12.1	12.1		ug/Kg		100	40 - 150
8:2 FTS	12.3	11.6		ug/Kg		95	40 - 150
Perfluorooctanesulfonamide (PFOSA)	3.20	2.93	I	ug/Kg		92	40 - 150
NMeFOSA	3.20	3.40		ug/Kg		106	40 - 150
NEtFOSA	3.20	3.51		ug/Kg		110	40 - 150
NMeFOSAA	3.20	3.04		ug/Kg		95	40 - 150
NEtFOSAA	3.20	3.56		ug/Kg		111	40 - 150
NMeFOSE	16.0	15.0		ug/Kg		94	40 - 150
NEtFOSE	32.0	29.4		ug/Kg		92	40 - 150
HFPO-DA (GenX)	3.20	3.20		ug/Kg		100	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.02	2.96		ug/Kg		98	40 - 150
PFMBA	6.40	6.41		ug/Kg		100	40 - 150
NFDHA	3.20	2.76		ug/Kg		86	40 - 150
PFMPA	6.40	5.95		ug/Kg		93	40 - 150
9Cl-PF3ONS	7.96	7.23		ug/Kg		91	40 - 150
11Cl-PF3OUdS	8.04	7.05		ug/Kg		88	40 - 150
PFEESA	5.71	5.69		ug/Kg		100	40 - 150
3:3 FTCA	16.0	13.7		ug/Kg		86	40 - 150
5:3 FTCA	32.0	28.6		ug/Kg		89	40 - 150
7:3 FTCA	32.0	27.7		ug/Kg		87	40 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*50*		*20 - 150*
13C5 PFPeA	*84*		*20 - 150*
13C5 PFHxA	*82*		*20 - 150*

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 280-653714/3-A
Matrix: Solid
Analysis Batch: 654056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653714

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFHpA	84		20 - 150
13C8 PFOA	88		20 - 150
13C9 PFNA	85		20 - 150
13C6 PFDA	84		20 - 150
13C7 PFUnA	76		20 - 150
13C2 PFDoA	69		20 - 150
13C2 PFTeDA	80		20 - 150
13C3 PFBS	84		20 - 150
13C3 PFHxS	86		20 - 150
13C8 PFOS	82		20 - 150
13C8 FOSA	74		20 - 150
d3-NMeFOSAA	83		20 - 150
d5-NEtFOSAA	70		20 - 150
M2-4:2 FTS	89		20 - 150
M2-6:2 FTS	92		20 - 150
M2-8:2 FTS	99		20 - 150
13C3 HFPO-DA	81		20 - 150
d7-N-MeFOSE-M	58		20 - 150
d9-N-EtFOSE-M	61		20 - 150
d5-NEtPFOSA	53		20 - 150
d3-NMePFOSA	55		20 - 150

Lab Sample ID: LLCS 280-653714/2-A
Matrix: Solid
Analysis Batch: 654056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653714

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.320	0.342	J	ug/Kg		107	40 - 150
Perfluoropentanoic acid (PFPeA)	0.320	0.344	J	ug/Kg		108	40 - 150
Perfluorohexanoic acid (PFHxA)	0.320	0.360		ug/Kg		113	40 - 150
Perfluoroheptanoic acid (PFHpA)	0.320	0.336		ug/Kg		105	40 - 150
Perfluorooctanoic acid (PFOA)	0.320	0.295		ug/Kg		92	40 - 150
Perfluorononanoic acid (PFNA)	0.320	0.304		ug/Kg		95	40 - 150
Perfluorodecanoic acid (PFDA)	0.320	0.323		ug/Kg		101	40 - 150
Perfluoroundecanoic acid (PFUnA)	0.320	0.377		ug/Kg		118	40 - 150
Perfluorododecanoic acid (PFDoA)	0.320	0.332		ug/Kg		104	40 - 150
Perfluorotridecanoic acid (PFTriA)	0.320	0.289		ug/Kg		90	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.320	0.301		ug/Kg		94	40 - 150
Perfluorobutanesulfonic acid (PFBS)	0.284	0.325		ug/Kg		114	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.300	0.295		ug/Kg		98	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.292	0.317		ug/Kg		109	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.305	0.318		ug/Kg		104	40 - 150

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 280-653714/2-A
Matrix: Solid
Analysis Batch: 654056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653714

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonic acid (PFOS)	0.298	0.300		ug/Kg		101	40 - 150
Perfluorononanesulfonic acid (PFNS)	0.308	0.296		ug/Kg		96	40 - 150
Perfluorodecanesulfonic acid (PFDS)	0.308	0.271		ug/Kg		88	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	0.310	0.213		ug/Kg		69	40 - 150
4:2 FTS	0.798	0.719	J	ug/Kg		90	40 - 150
6:2 FTS	1.21	1.39		ug/Kg		115	40 - 150
8:2 FTS	1.23	1.19		ug/Kg		97	40 - 150
Perfluorooctanesulfonamide (PFOSA)	0.320	0.325		ug/Kg		102	40 - 150
NMeFOSA	0.320	0.380		ug/Kg		119	40 - 150
NEtFOSA	0.320	0.392		ug/Kg		123	40 - 150
NMeFOSAA	0.320	0.296		ug/Kg		93	40 - 150
NEtFOSAA	0.320	0.345		ug/Kg		108	40 - 150
NMeFOSE	1.60	1.73	J	ug/Kg		108	40 - 150
NEtFOSE	3.20	3.21		ug/Kg		100	40 - 150
HFPO-DA (GenX)	0.320	0.333	J	ug/Kg		104	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.302	0.312	J	ug/Kg		103	40 - 150
PFMBA	0.640	0.697		ug/Kg		109	40 - 150
NFDHA	0.320	0.312	J	ug/Kg		97	40 - 150
PFMPA	0.640	0.655		ug/Kg		102	40 - 150
9Cl-PF3ONS	0.796	0.680	J	ug/Kg		85	40 - 150
11Cl-PF3OUdS	0.804	0.638	J	ug/Kg		79	40 - 150
PFEESA	0.571	0.687		ug/Kg		120	40 - 150
3:3 FTCA	1.60	1.40		ug/Kg		87	40 - 150
5:3 FTCA	3.20	3.35	J	ug/Kg		105	40 - 150
7:3 FTCA	3.20	3.27	J	ug/Kg		102	40 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*71*		*20 - 150*
13C5 PFPeA	*87*		*20 - 150*
13C5 PFHxA	*84*		*20 - 150*
13C4 PFHpA	*91*		*20 - 150*
13C8 PFOA	*87*		*20 - 150*
13C9 PFNA	*84*		*20 - 150*
13C6 PFDA	*87*		*20 - 150*
13C7 PFUnA	*80*		*20 - 150*
13C2 PFDoA	*73*		*20 - 150*
13C2 PFTeDA	*59*		*20 - 150*
13C3 PFBS	*85*		*20 - 150*
13C3 PFHxS	*85*		*20 - 150*
13C8 PFOS	*86*		*20 - 150*
13C8 FOSA	*76*		*20 - 150*
d3-NMeFOSAA	*87*		*20 - 150*
d5-NEtFOSAA	*79*		*20 - 150*
M2-4:2 FTS	*101*		*20 - 150*

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 280-653714/2-A
Matrix: Solid
Analysis Batch: 654056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653714

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
M2-6:2 FTS	*93*		*20 - 150*
M2-8:2 FTS	*96*		*20 - 150*
13C3 HFPO-DA	*92*		*20 - 150*
d7-N-MeFOSE-M	*50*		*20 - 150*
d9-N-EtFOSE-M	*55*		*20 - 150*
d5-NEtPFOSA	*50*		*20 - 150*
d3-NMePFOSA	*50*		*20 - 150*

Lab Sample ID: 480-219687-6 MS
Matrix: Solid
Analysis Batch: 654056

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 653714

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	1.2	U	4.70	4.66		ug/Kg	☼	99	40 - 150
Perfluoropentanoic acid (PFPeA)	0.59	U	4.70	4.31		ug/Kg	☼	92	40 - 150
Perfluorohexanoic acid (PFHxA)	0.29	U	4.70	4.50		ug/Kg	☼	96	40 - 150
Perfluoroheptanoic acid (PFHpA)	0.29	U	4.70	4.38		ug/Kg	☼	93	40 - 150
Perfluorooctanoic acid (PFOA)	0.29	U	4.70	4.25		ug/Kg	☼	90	40 - 150
Perfluorononanoic acid (PFNA)	0.29	U	4.70	4.58		ug/Kg	☼	97	40 - 150
Perfluorodecanoic acid (PFDA)	0.29	U	4.70	4.96		ug/Kg	☼	106	40 - 150
Perfluoroundecanoic acid (PFUnA)	0.29	U	4.70	4.82		ug/Kg	☼	103	40 - 150
Perfluorododecanoic acid (PFDoA)	0.29	U	4.70	5.86		ug/Kg	☼	125	40 - 150
Perfluorotridecanoic acid (PFTriA)	0.29	U	4.70	4.86		ug/Kg	☼	103	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.29	U	4.70	4.50		ug/Kg	☼	96	40 - 150
Perfluorobutanesulfonic acid (PFBS)	0.29	U	4.17	4.38		ug/Kg	☼	105	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.29	U	4.41	4.01		ug/Kg	☼	91	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.29	U	4.28	4.31		ug/Kg	☼	101	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.29	U	4.47	4.32		ug/Kg	☼	97	40 - 150
Perfluorooctanesulfonic acid (PFOS)	0.29	U	4.37	4.11		ug/Kg	☼	94	40 - 150
Perfluorononanesulfonic acid (PFNS)	0.29	U	4.52	3.98		ug/Kg	☼	88	40 - 150
Perfluorodecanesulfonic acid (PFDS)	0.29	U	4.53	3.30		ug/Kg	☼	73	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	0.29	U	4.56	2.99		ug/Kg	☼	66	40 - 150
4:2 FTS	1.2	U	11.7	10.7		ug/Kg	☼	92	40 - 150
6:2 FTS	1.2	U	17.8	17.1		ug/Kg	☼	96	40 - 150
8:2 FTS	1.2	U	18.0	16.9		ug/Kg	☼	94	40 - 150
Perfluorooctanesulfonamide (PFOSA)	0.29	U	4.70	4.34		ug/Kg	☼	92	40 - 150
NMeFOSA	0.29	U	4.70	5.39		ug/Kg	☼	115	40 - 150
NEtFOSA	0.29	U	4.70	5.10		ug/Kg	☼	109	40 - 150
NMeFOSAA	0.29	U	4.70	4.32		ug/Kg	☼	92	40 - 150

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-219687-6 MS
Matrix: Solid
Analysis Batch: 654056

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 653714

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
NEtFOSAA	0.29	U	4.70	4.80		ug/Kg	☼	102	40 - 150
NMeFOSE	2.9	U	23.5	24.0		ug/Kg	☼	102	40 - 150
NEtFOSE	2.9	U	47.0	43.9		ug/Kg	☼	93	40 - 150
HFPO-DA (GenX)	1.2	U	4.70	4.55		ug/Kg	☼	97	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.2	U	4.44	4.25		ug/Kg	☼	96	40 - 150
PFMBA	0.59	U	9.40	9.23		ug/Kg	☼	98	40 - 150
NFDHA	0.59	U	4.70	3.79		ug/Kg	☼	81	40 - 150
PFMPA	0.59	U	9.40	8.64		ug/Kg	☼	92	40 - 150
9Cl-PF3ONS	1.2	U	11.7	10.0		ug/Kg	☼	86	40 - 150
11Cl-PF3OUdS	1.2	U	11.8	9.51		ug/Kg	☼	80	40 - 150
PFEESA	0.59	U	8.38	9.23		ug/Kg	☼	110	40 - 150
3:3 FTCA	1.5	U	23.5	17.7		ug/Kg	☼	75	40 - 150
5:3 FTCA	7.3	U	47.0	39.8		ug/Kg	☼	85	40 - 150
7:3 FTCA	7.3	U	47.0	37.4		ug/Kg	☼	80	40 - 150

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C4 PFBA	*74*		*20 - 150*
13C5 PFPeA	*82*		*20 - 150*
13C5 PFHxA	*79*		*20 - 150*
13C4 PFHpA	*78*		*20 - 150*
13C8 PFOA	*86*		*20 - 150*
13C9 PFNA	*73*		*20 - 150*
13C6 PFDA	*70*		*20 - 150*
13C7 PFUnA	*64*		*20 - 150*
13C2 PFDoA	*54*		*20 - 150*
13C2 PFTeDA	*51*		*20 - 150*
13C3 PFBS	*81*		*20 - 150*
13C3 PFHxS	*82*		*20 - 150*
13C8 PFOS	*73*		*20 - 150*
13C8 FOSA	*58*		*20 - 150*
d3-NMeFOSAA	*67*		*20 - 150*
d5-NEtFOSAA	*62*		*20 - 150*
M2-4:2 FTS	*90*		*20 - 150*
M2-6:2 FTS	*88*		*20 - 150*
M2-8:2 FTS	*99*		*20 - 150*
13C3 HFPO-DA	*81*		*20 - 150*
d7-N-MeFOSE-M	*37*		*20 - 150*
d9-N-EtFOSE-M	*40*		*20 - 150*
d5-NEtPFOSA	*40*		*20 - 150*
d3-NMePFOSA	*40*		*20 - 150*

Lab Sample ID: 480-219687-6 MSD
Matrix: Solid
Analysis Batch: 654056

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 653714

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	1.2	U	4.70	4.70		ug/Kg	☼	100	40 - 150	1	30
Perfluoropentanoic acid (PFPeA)	0.59	U	4.70	4.53		ug/Kg	☼	96	40 - 150	5	30

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-219687-6 MSD
Matrix: Solid
Analysis Batch: 654056

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 653714

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorohexanoic acid (PFHxA)	0.29	U	4.70	4.55		ug/Kg	☼	97	40 - 150	1	30
Perfluoroheptanoic acid (PFHpA)	0.29	U	4.70	4.59		ug/Kg	☼	98	40 - 150	5	30
Perfluorooctanoic acid (PFOA)	0.29	U	4.70	4.14		ug/Kg	☼	88	40 - 150	3	30
Perfluorononanoic acid (PFNA)	0.29	U	4.70	4.19		ug/Kg	☼	89	40 - 150	9	30
Perfluorodecanoic acid (PFDA)	0.29	U	4.70	6.04		ug/Kg	☼	129	40 - 150	20	30
Perfluoroundecanoic acid (PFUnA)	0.29	U	4.70	4.11		ug/Kg	☼	88	40 - 150	16	30
Perfluorododecanoic acid (PFDoA)	0.29	U	4.70	4.64		ug/Kg	☼	99	40 - 150	23	30
Perfluorotridecanoic acid (PFTriA)	0.29	U	4.70	4.39		ug/Kg	☼	94	40 - 150	10	30
Perfluorotetradecanoic acid (PFTeDA)	0.29	U	4.70	4.63		ug/Kg	☼	98	40 - 150	3	30
Perfluorobutanesulfonic acid (PFBS)	0.29	U	4.17	4.31		ug/Kg	☼	103	40 - 150	2	30
Perfluoropentanesulfonic acid (PFPeS)	0.29	U	4.41	4.15		ug/Kg	☼	94	40 - 150	4	30
Perfluorohexanesulfonic acid (PFHxS)	0.29	U	4.28	4.73		ug/Kg	☼	110	40 - 150	9	30
Perfluoroheptanesulfonic acid (PFHpS)	0.29	U	4.47	4.44		ug/Kg	☼	99	40 - 150	3	30
Perfluorooctanesulfonic acid (PFOS)	0.29	U	4.37	4.42		ug/Kg	☼	101	40 - 150	7	30
Perfluorononanesulfonic acid (PFNS)	0.29	U	4.52	4.06		ug/Kg	☼	90	40 - 150	2	30
Perfluorodecanesulfonic acid (PFDS)	0.29	U	4.53	3.58		ug/Kg	☼	79	40 - 150	8	30
Perfluorododecanesulfonic acid (PFDoS)	0.29	U	4.56	3.12		ug/Kg	☼	69	40 - 150	4	30
4:2 FTS	1.2	U	11.7	11.2		ug/Kg	☼	95	40 - 150	4	30
6:2 FTS	1.2	U	17.8	15.7		ug/Kg	☼	88	40 - 150	9	30
8:2 FTS	1.2	U	18.0	16.8		ug/Kg	☼	93	40 - 150	0	30
Perfluorooctanesulfonamide (PFOSA)	0.29	U	4.70	4.15		ug/Kg	☼	88	40 - 150	4	30
NMeFOSA	0.29	U	4.70	5.07		ug/Kg	☼	108	40 - 150	6	30
NEtFOSA	0.29	U	4.70	5.05		ug/Kg	☼	108	40 - 150	1	30
NMeFOSAA	0.29	U	4.70	4.44		ug/Kg	☼	95	40 - 150	3	30
NEtFOSAA	0.29	U	4.70	4.52		ug/Kg	☼	96	40 - 150	6	30
NMeFOSE	2.9	U	23.5	23.8		ug/Kg	☼	101	40 - 150	1	30
NEtFOSE	2.9	U	47.0	42.6		ug/Kg	☼	91	40 - 150	3	30
HFPO-DA (GenX)	1.2	U	4.70	4.14		ug/Kg	☼	88	40 - 150	9	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.2	U	4.44	4.40		ug/Kg	☼	99	40 - 150	3	30
PFMBA	0.59	U	9.40	9.83		ug/Kg	☼	105	40 - 150	6	30
NFDHA	0.59	U	4.70	3.16		ug/Kg	☼	67	40 - 150	18	30
PFMPA	0.59	U	9.40	9.09		ug/Kg	☼	97	40 - 150	5	30
9Cl-PF3ONS	1.2	U	11.7	9.88		ug/Kg	☼	85	40 - 150	2	30
11Cl-PF3OUdS	1.2	U	11.8	8.62		ug/Kg	☼	73	40 - 150	10	30
PFEESA	0.59	U	8.38	9.09		ug/Kg	☼	108	40 - 150	2	30
3:3 FTCA	1.5	U	23.5	19.3		ug/Kg	☼	82	40 - 150	8	30
5:3 FTCA	7.3	U	47.0	41.0		ug/Kg	☼	87	40 - 150	3	30
7:3 FTCA	7.3	U	47.0	36.9		ug/Kg	☼	78	40 - 150	1	30

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	70		20 - 150
13C5 PFPeA	73		20 - 150
13C5 PFHxA	73		20 - 150
13C4 PFHpA	71		20 - 150
13C8 PFOA	81		20 - 150
13C9 PFNA	74		20 - 150
13C6 PFDA	62		20 - 150
13C7 PFUnA	67		20 - 150
13C2 PFDoA	56		20 - 150
13C2 PFTeDA	49		20 - 150
13C3 PFBS	80		20 - 150
13C3 PFHxS	79		20 - 150
13C8 PFOS	72		20 - 150
13C8 FOSA	63		20 - 150
d3-NMeFOSAA	68		20 - 150
d5-NEtFOSAA	63		20 - 150
M2-4:2 FTS	87		20 - 150
M2-6:2 FTS	94		20 - 150
M2-8:2 FTS	96		20 - 150
13C3 HFPO-DA	78		20 - 150
d7-N-MeFOSE-M	40		20 - 150
d9-N-EtFOSE-M	42		20 - 150
d5-NEtPFOSA	39		20 - 150
d3-NMePFOSA	42		20 - 150

Lab Sample ID: MB 280-653716/1-A
Matrix: Solid
Analysis Batch: 654100

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 653716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.80	U	0.80	0.037	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluoropentanoic acid (PFPeA)	0.40	U	0.40	0.021	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.021	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.022	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.042	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.012	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.075	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.028	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.056	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.028	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.017	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.014	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.013	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.020	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.028	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluorooctanesulfonic acid (PFOS)	0.224		0.20	0.056	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.028	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.020	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.017	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
4:2 FTS	0.80	U	0.80	0.077	ug/Kg		05/16/24 07:11	05/21/24 01:10	1

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 280-653716/1-A
Matrix: Solid
Analysis Batch: 654100

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 653716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
6:2 FTS	0.80	U	0.80	0.48	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
8:2 FTS	0.80	U	0.80	0.12	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.012	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
NMeFOSA	0.20	U	0.20	0.024	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
NEtFOSA	0.20	U	0.20	0.031	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
NMeFOSAA	0.20	U	0.20	0.025	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
NEtFOSAA	0.20	U	0.20	0.024	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
NMeFOSE	2.0	U	2.0	0.099	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
NEtFOSE	2.0	U	2.0	0.11	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
HFPO-DA (GenX)	0.80	U	0.80	0.094	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.80	U	0.80	0.081	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
PFMBA	0.40	U	0.40	0.019	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
NFDHA	0.40	U	0.40	0.048	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
PFMPA	0.40	U	0.40	0.091	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
9Cl-PF3ONS	0.80	U	0.80	0.051	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
11Cl-PF3OUdS	0.80	U	0.80	0.12	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
PFEESA	0.40	U	0.40	0.040	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
3:3 FTCA	1.0	U	1.0	0.18	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
5:3 FTCA	5.0	U	5.0	0.37	ug/Kg		05/16/24 07:11	05/21/24 01:10	1
7:3 FTCA	5.0	U	5.0	0.31	ug/Kg		05/16/24 07:11	05/21/24 01:10	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*36*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
13C5 PFPeA	*88*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
13C5 PFHxA	*79*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
13C4 PFHpA	*88*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
13C8 PFOA	*88*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
13C9 PFNA	*81*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
13C6 PFDA	*82*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
13C7 PFUnA	*72*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
13C2 PFDoA	*59*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
13C2 PFTeDA	*52*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
13C3 PFBS	*88*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
13C3 PFHxS	*83*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
13C8 PFOS	*76*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
13C8 FOSA	*69*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
d3-NMeFOSAA	*82*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
d5-NEtFOSAA	*82*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
M2-4:2 FTS	*110*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
M2-6:2 FTS	*100*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
M2-8:2 FTS	*103*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
13C3 HFPO-DA	*93*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
d7-N-MeFOSE-M	*45*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
d9-N-EtFOSE-M	*41*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
d5-NEtPFOSA	*40*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*
d3-NMePFOSA	*45*		*20 - 150*	*05/16/24 07:11*	*05/21/24 01:10*	*1*

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 280-653716/3-A
Matrix: Solid
Analysis Batch: 654100

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653716

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	3.08	2.98		ug/Kg		97	40 - 150
Perfluoropentanoic acid (PFPeA)	3.08	3.01		ug/Kg		98	40 - 150
Perfluorohexanoic acid (PFHxA)	3.08	3.00		ug/Kg		97	40 - 150
Perfluoroheptanoic acid (PFHpA)	3.08	2.93		ug/Kg		95	40 - 150
Perfluorooctanoic acid (PFOA)	3.08	2.48		ug/Kg		81	40 - 150
Perfluorononanoic acid (PFNA)	3.08	3.02		ug/Kg		98	40 - 150
Perfluorodecanoic acid (PFDA)	3.08	2.87		ug/Kg		93	40 - 150
Perfluoroundecanoic acid (PFUnA)	3.08	2.60		ug/Kg		84	40 - 150
Perfluorododecanoic acid (PFDoA)	3.08	3.13		ug/Kg		102	40 - 150
Perfluorotridecanoic acid (PFTriA)	3.08	2.71		ug/Kg		88	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	3.08	2.90		ug/Kg		94	40 - 150
Perfluorobutanesulfonic acid (PFBS)	2.73	3.04		ug/Kg		111	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.89	2.63		ug/Kg		91	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.81	3.06		ug/Kg		109	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.93	2.70		ug/Kg		92	40 - 150
Perfluorooctanesulfonic acid (PFOS)	2.86	2.76		ug/Kg		96	40 - 150
Perfluorononanesulfonic acid (PFNS)	2.96	2.67		ug/Kg		90	40 - 150
Perfluorodecanesulfonic acid (PFDS)	2.97	2.19		ug/Kg		74	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	2.98	1.97		ug/Kg		66	40 - 150
4:2 FTS	7.67	7.08		ug/Kg		92	40 - 150
6:2 FTS	11.7	10.8		ug/Kg		93	40 - 150
8:2 FTS	11.8	10.9		ug/Kg		93	40 - 150
Perfluorooctanesulfonamide (PFOSA)	3.08	2.65		ug/Kg		86	40 - 150
NMeFOSA	3.08	3.37		ug/Kg		109	40 - 150
NEtFOSA	3.08	3.44		ug/Kg		112	40 - 150
NMeFOSAA	3.08	2.97		ug/Kg		97	40 - 150
NEtFOSAA	3.08	3.08		ug/Kg		100	40 - 150
NMeFOSE	15.4	16.4		ug/Kg		107	40 - 150
NEtFOSE	30.8	29.7		ug/Kg		96	40 - 150
HFPO-DA (GenX)	3.08	3.31		ug/Kg		108	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.90	3.31		ug/Kg		114	40 - 150
PFMBA	6.15	5.91		ug/Kg		96	40 - 150
NFDHA	3.08	2.72		ug/Kg		88	40 - 150
PFMPA	6.15	4.68		ug/Kg		76	40 - 150
9Cl-PF3ONS	7.65	7.68		ug/Kg		100	40 - 150
11Cl-PF3OUdS	7.74	6.68		ug/Kg		86	40 - 150
PFEESA	5.49	5.80		ug/Kg		106	40 - 150
3:3 FTCA	15.4	12.5		ug/Kg		81	40 - 150

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 280-653716/3-A
Matrix: Solid
Analysis Batch: 654100

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653716

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
5:3 FTCA			30.8	26.9		ug/Kg		88	40 - 150		
7:3 FTCA			30.8	26.1		ug/Kg		85	40 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*23*		*20 - 150*
13C5 PFPeA	*84*		*20 - 150*
13C5 PFHxA	*81*		*20 - 150*
13C4 PFHpA	*79*		*20 - 150*
13C8 PFOA	*86*		*20 - 150*
13C9 PFNA	*76*		*20 - 150*
13C6 PFDA	*77*		*20 - 150*
13C7 PFUnA	*82*		*20 - 150*
13C2 PFDoA	*62*		*20 - 150*
13C2 PFTeDA	*59*		*20 - 150*
13C3 PFBS	*77*		*20 - 150*
13C3 PFHxS	*78*		*20 - 150*
13C8 PFOS	*73*		*20 - 150*
13C8 FOSA	*65*		*20 - 150*
d3-NMeFOSAA	*73*		*20 - 150*
d5-NEtFOSAA	*76*		*20 - 150*
M2-4:2 FTS	*86*		*20 - 150*
M2-6:2 FTS	*87*		*20 - 150*
M2-8:2 FTS	*85*		*20 - 150*
13C3 HFPO-DA	*71*		*20 - 150*
d7-N-MeFOSE-M	*41*		*20 - 150*
d9-N-EtFOSE-M	*45*		*20 - 150*
d5-NEtPFOSA	*44*		*20 - 150*
d3-NMePFOSA	*46*		*20 - 150*

Lab Sample ID: LLCS 280-653716/2-A
Matrix: Solid
Analysis Batch: 654100

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653716

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorobutanoic acid (PFBA)			0.314	0.423	J	ug/Kg		135	40 - 150		
Perfluoropentanoic acid (PFPeA)			0.314	0.336	J	ug/Kg		107	40 - 150		
Perfluorohexanoic acid (PFHxA)			0.314	0.296		ug/Kg		94	40 - 150		
Perfluoroheptanoic acid (PFHpA)			0.314	0.307		ug/Kg		98	40 - 150		
Perfluorooctanoic acid (PFOA)			0.314	0.276		ug/Kg		88	40 - 150		
Perfluorononanoic acid (PFNA)			0.314	0.316		ug/Kg		101	40 - 150		
Perfluorodecanoic acid (PFDA)			0.314	0.344		ug/Kg		110	40 - 150		
Perfluoroundecanoic acid (PFUnA)			0.314	0.318		ug/Kg		101	40 - 150		
Perfluorododecanoic acid (PFDoA)			0.314	0.358		ug/Kg		114	40 - 150		
Perfluorotridecanoic acid (PFTriA)			0.314	0.292		ug/Kg		93	40 - 150		
Perfluorotetradecanoic acid (PFTeDA)			0.314	0.282		ug/Kg		90	40 - 150		

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 280-653716/2-A
Matrix: Solid
Analysis Batch: 654100

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653716

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanesulfonic acid (PFBS)	0.279	0.330		ug/Kg		119	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.294	0.248		ug/Kg		84	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.286	0.314		ug/Kg		110	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.299	0.304		ug/Kg		102	40 - 150
Perfluorooctanesulfonic acid (PFOS)	0.292	0.288		ug/Kg		99	40 - 150
Perfluorononanesulfonic acid (PFNS)	0.302	0.254		ug/Kg		84	40 - 150
Perfluorodecanesulfonic acid (PFDS)	0.302	0.209		ug/Kg		69	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	0.304	0.174	J	ug/Kg		57	40 - 150
4:2 FTS	0.782	0.755	J	ug/Kg		97	40 - 150
6:2 FTS	1.19	1.07		ug/Kg		90	40 - 150
8:2 FTS	1.20	1.18		ug/Kg		98	40 - 150
Perfluorooctanesulfonamide (PFOSA)	0.314	0.303		ug/Kg		96	40 - 150
NMeFOSA	0.314	0.404		ug/Kg		129	40 - 150
NEtFOSA	0.314	0.344		ug/Kg		110	40 - 150
NMeFOSAA	0.314	0.281		ug/Kg		90	40 - 150
NEtFOSAA	0.314	0.356		ug/Kg		113	40 - 150
NMeFOSE	1.57	1.74	J	ug/Kg		111	40 - 150
NEtFOSE	3.14	2.98		ug/Kg		95	40 - 150
HFPO-DA (GenX)	0.314	0.280	J	ug/Kg		89	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.296	0.301	J	ug/Kg		102	40 - 150
PFMBA	0.627	0.623		ug/Kg		99	40 - 150
NFDHA	0.314	0.225	J	ug/Kg		72	40 - 150
PFMPA	0.627	0.610		ug/Kg		97	40 - 150
9Cl-PF3ONS	0.780	0.606	J	ug/Kg		78	40 - 150
11Cl-PF3OUdS	0.789	0.514	J	ug/Kg		65	40 - 150
PFEESA	0.560	0.602		ug/Kg		108	40 - 150
3:3 FTCA	1.57	1.22		ug/Kg		78	40 - 150
5:3 FTCA	3.14	2.61	J	ug/Kg		83	40 - 150
7:3 FTCA	3.14	2.61	J	ug/Kg		83	40 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*82*		*20 - 150*
13C5 PFPeA	*80*		*20 - 150*
13C5 PFHxA	*83*		*20 - 150*
13C4 PFHpA	*77*		*20 - 150*
13C8 PFOA	*83*		*20 - 150*
13C9 PFNA	*76*		*20 - 150*
13C6 PFDA	*74*		*20 - 150*
13C7 PFUnA	*71*		*20 - 150*
13C2 PFDoA	*51*		*20 - 150*
13C2 PFTeDA	*44*		*20 - 150*

Method: Draft 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 280-653716/2-A
Matrix: Solid
Analysis Batch: 654100

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 653716

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C3 PFBS	82		20 - 150
13C3 PFHxS	93		20 - 150
13C8 PFOS	73		20 - 150
13C8 FOSA	64		20 - 150
d3-NMeFOSAA	78		20 - 150
d5-NEtFOSAA	62		20 - 150
M2-4:2 FTS	93		20 - 150
M2-6:2 FTS	99		20 - 150
M2-8:2 FTS	93		20 - 150
13C3 HFPO-DA	80		20 - 150
d7-N-MeFOSE-M	37		20 - 150
d9-N-EtFOSE-M	40		20 - 150
d5-NEtPFOSA	36		20 - 150
d3-NMePFOSA	37		20 - 150

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 480-711177/1-A
Matrix: Solid
Analysis Batch: 711454

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711177

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10.6	U	10.6	4.6	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Antimony	15.8	U	15.8	0.42	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Arsenic	2.1	U	2.1	0.42	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Barium	0.53	U	0.53	0.12	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Beryllium	0.21	U	0.21	0.030	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Cadmium	0.21	U	0.21	0.032	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Calcium	3.79	J	52.8	3.5	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Chromium	0.53	U	0.53	0.21	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Cobalt	0.53	U	0.53	0.053	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Copper	1.1	U	1.1	0.22	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Iron	5.06	J	10.6	3.7	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Lead	1.1	U	1.1	0.25	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Magnesium	21.1	U	21.1	0.98	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Manganese	0.0601	J	0.21	0.034	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Nickel	5.3	U	5.3	0.24	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Potassium	31.7	U	31.7	21.1	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Selenium	4.2	U	4.2	0.42	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Silver	0.63	U	0.63	0.21	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Sodium	148	U	148	13.7	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Thallium	6.3	U	6.3	0.32	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Vanadium	0.53	U	0.53	0.12	mg/Kg		05/08/24 15:02	05/09/24 21:58	1
Zinc	2.1	U	2.1	0.68	mg/Kg		05/08/24 15:02	05/09/24 21:58	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-711177/2-A
Matrix: Solid
Analysis Batch: 711454

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711177

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	10600	9619		mg/Kg		90.7	52.7 - 148.1
Antimony	59.8	93.15		mg/Kg		155.8	46.2 - 633.8
Arsenic	180	156.1		mg/Kg		86.7	70.0 - 130.0
Barium	431	379.7		mg/Kg		88.1	74.9 - 125.1
Beryllium	121	120.2		mg/Kg		99.4	74.8 - 124.8
Cadmium	199	179.6		mg/Kg		90.2	74.9 - 125.1
Calcium	5760	5229		mg/Kg		90.8	73.6 - 126.4
Chromium	210	194.0		mg/Kg		92.4	70.0 - 130.0
Cobalt	237	228.5		mg/Kg		96.4	75.1 - 124.9
Copper	229	187.5		mg/Kg		81.9	75.1 - 124.9
Iron	9280	7551		mg/Kg		81.4	18.4 - 181.0
Lead	261	242.0		mg/Kg		92.7	78.2 - 121.1
Magnesium	2520	2134		mg/Kg		84.7	63.5 - 136.5
Manganese	316	251.1		mg/Kg		79.5	74.7 - 125.0
Nickel	108	103.4		mg/Kg		95.7	69.8 - 129.6
Potassium	2100	1868		mg/Kg		89.0	70.0 - 130.0
Selenium	117	97.39		mg/Kg		83.2	65.8 - 133.3
Silver	65.5	57.63		mg/Kg		88.0	70.5 - 129.3
Sodium	442	381.7		mg/Kg		86.3	58.6 - 141.4
Thallium	144	140.6		mg/Kg		97.6	70.1 - 129.9
Vanadium	183	151.5		mg/Kg		82.8	68.9 - 119.1
Zinc	264	235.9		mg/Kg		89.4	69.7 - 129.5

Lab Sample ID: MB 480-711592/1-A
Matrix: Solid
Analysis Batch: 711880

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711592

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10.0	U	10.0	4.4	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Antimony	15.0	U	15.0	0.40	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Arsenic	2.0	U	2.0	0.40	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Barium	0.50	U	0.50	0.11	mg/Kg		05/10/24 16:08	05/13/24 14:31	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 480-711592/1-A
Matrix: Solid
Analysis Batch: 711880

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711592

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.20	U	0.20	0.028	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Cadmium	0.0535	J	0.20	0.030	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Calcium	3.31	J	50.0	3.3	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Chromium	0.50	U	0.50	0.20	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Cobalt	0.50	U	0.50	0.050	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Copper	1.0	U	1.0	0.21	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Iron	10.0	U	10.0	3.5	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Lead	1.0	U	1.0	0.24	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Magnesium	20.0	U	20.0	0.93	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Manganese	0.0957	J	0.20	0.032	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Nickel	5.0	U	5.0	0.23	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Potassium	30.0	U	30.0	20.0	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Selenium	4.0	U	4.0	0.40	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Silver	0.60	U	0.60	0.20	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Sodium	140	U	140	13.0	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Thallium	6.0	U	6.0	0.30	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Vanadium	0.50	U	0.50	0.11	mg/Kg		05/10/24 16:08	05/13/24 14:31	1
Zinc	2.0	U	2.0	0.64	mg/Kg		05/10/24 16:08	05/13/24 14:31	1

Lab Sample ID: 480-219687-6 MS
Matrix: Solid
Analysis Batch: 711880

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711592

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	26900		1540	33460	4	mg/Kg	☼	427	75 - 125
Antimony	23.4	U F1	151	44.39	F1	mg/Kg	☼	29	75 - 125
Arsenic	5.1		302	247.5		mg/Kg	☼	80	75 - 125
Barium	213		302	451.0		mg/Kg	☼	79	75 - 125
Beryllium	1.4		151	132.0		mg/Kg	☼	86	75 - 125
Cadmium	0.21	J B	151	129.2		mg/Kg	☼	85	75 - 125
Calcium	32200	B F1	7550	31290	4	mg/Kg	☼	-11	75 - 125
Chromium	27.3		151	159.9		mg/Kg	☼	88	75 - 125
Cobalt	17.4		151	171.1		mg/Kg	☼	102	75 - 125
Copper	25.6		151	161.2		mg/Kg	☼	90	75 - 125
Iron	26700		1540	26170	4	mg/Kg	☼	-34	75 - 125
Lead	13.0		151	159.0		mg/Kg	☼	97	75 - 125
Magnesium	11600	F1	7550	16950	F1	mg/Kg	☼	70	75 - 125
Manganese	630	B F1	151	661.2	4	mg/Kg	☼	21	75 - 125
Nickel	34.9		151	187.5		mg/Kg	☼	101	75 - 125
Potassium	6490		7550	14510		mg/Kg	☼	106	75 - 125
Selenium	6.2	U	302	226.8		mg/Kg	☼	75	75 - 125
Silver	0.31	J	15.1	11.70		mg/Kg	☼	77	75 - 125
Sodium	578	F1	7550	6149	F1	mg/Kg	☼	74	75 - 125
Thallium	9.4	U	302	303.0		mg/Kg	☼	100	75 - 125
Vanadium	44.5		151	180.8		mg/Kg	☼	90	75 - 125
Zinc	77.3	F1	151	175.7	F1	mg/Kg	☼	65	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 480-219687-6 MSD
Matrix: Solid
Analysis Batch: 711880

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711592

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	26900		1650	36110	4	mg/Kg	☼	560	75 - 125	8	20
Antimony	23.4	U F1	162	48.19	F1	mg/Kg	☼	30	75 - 125	8	20
Arsenic	5.1		323	265.0		mg/Kg	☼	80	75 - 125	7	20
Barium	213		323	492.2		mg/Kg	☼	86	75 - 125	9	20
Beryllium	1.4		162	141.0		mg/Kg	☼	86	75 - 125	7	20
Cadmium	0.21	J B	162	138.7		mg/Kg	☼	86	75 - 125	7	20
Calcium	32200	B F1	8080	32350	F1	mg/Kg	☼	2	75 - 125	3	20
Chromium	27.3		162	171.2		mg/Kg	☼	89	75 - 125	7	20
Cobalt	17.4		162	180.3		mg/Kg	☼	101	75 - 125	5	20
Copper	25.6		162	171.8		mg/Kg	☼	91	75 - 125	6	20
Iron	26700		1650	28310	4	mg/Kg	☼	98	75 - 125	8	20
Lead	13.0		162	169.5		mg/Kg	☼	97	75 - 125	6	20
Magnesium	11600	F1	8080	18100		mg/Kg	☼	80	75 - 125	7	20
Manganese	630	B F1	162	716.5	F1	mg/Kg	☼	54	75 - 125	8	20
Nickel	34.9		162	199.4		mg/Kg	☼	102	75 - 125	6	20
Potassium	6490		8080	15360		mg/Kg	☼	110	75 - 125	6	20
Selenium	6.2	U	323	243.7		mg/Kg	☼	75	75 - 125	7	20
Silver	0.31	J	16.2	12.43		mg/Kg	☼	77	75 - 125	6	20
Sodium	578	F1	8080	6488	F1	mg/Kg	☼	73	75 - 125	5	20
Thallium	9.4	U	323	318.6		mg/Kg	☼	99	75 - 125	5	20
Vanadium	44.5		162	192.2		mg/Kg	☼	91	75 - 125	6	20
Zinc	77.3	F1	162	189.6	F1	mg/Kg	☼	70	75 - 125	8	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-711402/1-A
Matrix: Solid
Analysis Batch: 711542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711402

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0045	mg/Kg		05/10/24 09:21	05/10/24 11:27	1

Lab Sample ID: LCSSRM 480-711402/2-A ^10
Matrix: Solid
Analysis Batch: 711542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711402

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	19.1	18.67		mg/Kg		97.7	59.7 - 139.8

Lab Sample ID: MB 480-711474/1-A
Matrix: Solid
Analysis Batch: 711542

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711474

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0047	mg/Kg		05/10/24 09:21	05/10/24 12:04	1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCSSRM 480-711474/2-A ^10
Matrix: Solid
Analysis Batch: 711542

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711474

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			19.1	20.61		mg/Kg		107.9	59.7 - 139.8		

Lab Sample ID: 480-219687-6 MS
Matrix: Solid
Analysis Batch: 711542

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711474

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.028	J	0.501	0.541		mg/Kg	☼	103	80 - 120		

Lab Sample ID: 480-219687-6 MSD
Matrix: Solid
Analysis Batch: 711542

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711474

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.028	J	0.520	0.556		mg/Kg	☼	102	80 - 120	3	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-711943/1-A
Matrix: Solid
Analysis Batch: 711971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 711943

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.99	U	0.99	0.48	mg/Kg		05/14/24 13:15	05/14/24 15:41	1

Lab Sample ID: LCS 480-711943/3-A
Matrix: Solid
Analysis Batch: 711971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711943

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.400	0.351		mg/Kg		88	29 - 122		

Lab Sample ID: LCS 480-711943/4-A
Matrix: Solid
Analysis Batch: 711971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711943

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.250	0.233		mg/Kg		93	29 - 122		

Lab Sample ID: LCSSRM 480-711943/2-A ^10
Matrix: Solid
Analysis Batch: 711971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 711943

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			154	41.50		mg/Kg		27.0	20.6 - 120.8		

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: 480-219687-6 MS
Matrix: Solid
Analysis Batch: 711971

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711943

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	1.5	U F1	1.83	1.19	J F1	mg/Kg	☼	65	85 - 115

Lab Sample ID: 480-219687-6 MSD
Matrix: Solid
Analysis Batch: 711971

Client Sample ID: SB-11-44.5-45.0-050824
Prep Type: Total/NA
Prep Batch: 711943

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	1.5	U F1	1.81	1.15	J F1	mg/Kg	☼	63	85 - 115	3	15

Lab Sample ID: MB 480-712882/1-A
Matrix: Solid
Analysis Batch: 712909

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 712882

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.97	U	0.97	0.47	mg/Kg		05/21/24 13:50	05/21/24 16:30	1

Lab Sample ID: LCS 480-712882/3-A
Matrix: Solid
Analysis Batch: 712909

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.375		mg/Kg		94	29 - 122

Lab Sample ID: LCS 480-712882/4-A
Matrix: Solid
Analysis Batch: 712909

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.238		mg/Kg		95	29 - 122

Lab Sample ID: LCSSRM 480-712882/2-A ^10
Matrix: Solid
Analysis Batch: 712909

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 712882

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	154	44.36		mg/Kg		28.8	20.6 - 120.8

GC/MS VOA

Prep Batch: 711075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219561-1	SB-01-6.5-7.0-050624	Total/NA	Solid	5035A_L	
480-219561-2	SB-01-40.0-40.5-050624	Total/NA	Solid	5035A_L	
MB 480-711075/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-711075/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 711076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219561-1	SB-01-6.5-7.0-050624	Total/NA	Solid	8260C	711075
480-219561-2	SB-01-40.0-40.5-050624	Total/NA	Solid	8260C	711075
MB 480-711075/2-A	Method Blank	Total/NA	Solid	8260C	711075
LCS 480-711075/1-A	Lab Control Sample	Total/NA	Solid	8260C	711075

Prep Batch: 711242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	5035A_L	
480-219611-2	SB-07-45.0-45.5-050724	Total/NA	Solid	5035A_L	
MB 480-711242/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-711242/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 711243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	8260C	711242
480-219611-2	SB-07-45.0-45.5-050724	Total/NA	Solid	8260C	711242
MB 480-711242/2-A	Method Blank	Total/NA	Solid	8260C	711242
LCS 480-711242/1-A	Lab Control Sample	Total/NA	Solid	8260C	711242

Analysis Batch: 711284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-3	SB-09-4.5-5.0-050724	Total/NA	Solid	8260C	711336
480-219611-4	SB-09-11.2-11.7-050724	Total/NA	Solid	8260C	711336
MB 480-711336/3-A	Method Blank	Total/NA	Solid	8260C	711336
LCS 480-711336/1-A	Lab Control Sample	Total/NA	Solid	8260C	711336

Prep Batch: 711336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-3	SB-09-4.5-5.0-050724	Total/NA	Solid	5035A_H	
480-219611-4	SB-09-11.2-11.7-050724	Total/NA	Solid	5035A_H	
MB 480-711336/3-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-711336/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Prep Batch: 711626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	5035A_L	
480-219687-5	SB-11-20.5-21-0-050824	Total/NA	Solid	5035A_L	
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	5035A_L	
480-219687-7	DUP-01-050824	Total/NA	Solid	5035A_L	
MB 480-711626/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-711626/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	5035A_L	
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	5035A_L	

GC/MS VOA

Analysis Batch: 711627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	8260C	711626
480-219687-5	SB-11-20.5-21-0-050824	Total/NA	Solid	8260C	711626
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	8260C	711626
480-219687-7	DUP-01-050824	Total/NA	Solid	8260C	711626
MB 480-711626/2-A	Method Blank	Total/NA	Solid	8260C	711626
LCS 480-711626/1-A	Lab Control Sample	Total/NA	Solid	8260C	711626
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	8260C	711626
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	8260C	711626

Analysis Batch: 711731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-1	SB-09-21.0-21.5-050824	Total/NA	Solid	8260C	711745
480-219687-3	SB-11-4.5-5.0-050824	Total/NA	Solid	8260C	711745
480-219687-4	SB-11-9.5-10.0-050824	Total/NA	Solid	8260C	711745
MB 480-711745/3-A	Method Blank	Total/NA	Solid	8260C	711745
LCS 480-711745/1-A	Lab Control Sample	Total/NA	Solid	8260C	711745

Prep Batch: 711745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-1	SB-09-21.0-21.5-050824	Total/NA	Solid	5035A_H	
480-219687-3	SB-11-4.5-5.0-050824	Total/NA	Solid	5035A_H	
480-219687-4	SB-11-9.5-10.0-050824	Total/NA	Solid	5035A_H	
MB 480-711745/3-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-711745/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

GC/MS Semi VOA

Prep Batch: 711214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	3550C	
MB 480-711214/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-711214/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 711416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	3550C	
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	3550C	
480-219687-7	DUP-01-050824	Total/NA	Solid	3550C	
MB 480-711416/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-711416/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	3550C	
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	3550C	

Analysis Batch: 711455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	8270D	711214
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	8270D	711416
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	8270D	711416
MB 480-711214/1-A	Method Blank	Total/NA	Solid	8270D	711214
MB 480-711416/1-A	Method Blank	Total/NA	Solid	8270D	711416
LCS 480-711214/2-A	Lab Control Sample	Total/NA	Solid	8270D	711214

GC/MS Semi VOA (Continued)

Analysis Batch: 711455 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-711416/2-A	Lab Control Sample	Total/NA	Solid	8270D	711416
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	8270D	711416
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	8270D	711416

Analysis Batch: 711758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-7	DUP-01-050824	Total/NA	Solid	8270D	711416

GC Semi VOA

Prep Batch: 711224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	3550C	
MB 480-711224/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-711224/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 711277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	3550C	
MB 480-711277/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-711277/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 480-711277/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 711366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	8082A	711224
MB 480-711224/1-A	Method Blank	Total/NA	Solid	8082A	711224
LCS 480-711224/2-A	Lab Control Sample	Total/NA	Solid	8082A	711224

Prep Batch: 711419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	3550C	
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	3550C	
480-219687-7	DUP-01-050824	Total/NA	Solid	3550C	
MB 480-711419/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-711419/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	3550C	
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	3550C	

Prep Batch: 711473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	3550C	
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	3550C	
480-219687-7	DUP-01-050824	Total/NA	Solid	3550C	
MB 480-711473/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-711473/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	3550C	
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	3550C	

GC Semi VOA

Analysis Batch: 711518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	8081B	711277
MB 480-711277/1-A	Method Blank	Total/NA	Solid	8081B	711277
LCS 480-711277/2-A	Lab Control Sample	Total/NA	Solid	8081B	711277
LCSD 480-711277/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	711277

Analysis Batch: 711724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	8081B	711473
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	8081B	711473
480-219687-7	DUP-01-050824	Total/NA	Solid	8081B	711473
MB 480-711473/1-A	Method Blank	Total/NA	Solid	8081B	711473
LCS 480-711473/2-A	Lab Control Sample	Total/NA	Solid	8081B	711473
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	8081B	711473
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	8081B	711473

Analysis Batch: 711826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	8082A	711419
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	8082A	711419
480-219687-7	DUP-01-050824	Total/NA	Solid	8082A	711419
MB 480-711419/1-A	Method Blank	Total/NA	Solid	8082A	711419
LCS 480-711419/2-A	Lab Control Sample	Total/NA	Solid	8082A	711419
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	8082A	711419
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	8082A	711419

LCMS

Prep Batch: 653714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	1633 Shake	
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	1633 Shake	
480-219687-7	DUP-01-050824	Total/NA	Solid	1633 Shake	
MB 280-653714/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 280-653714/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 280-653714/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	1633 Shake	
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	1633 Shake	

Prep Batch: 653716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	1633 Shake	
MB 280-653716/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 280-653716/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 280-653716/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	

Analysis Batch: 654056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	Draft 1633	653714
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	Draft 1633	653714
480-219687-7	DUP-01-050824	Total/NA	Solid	Draft 1633	653714
MB 280-653714/1-A	Method Blank	Total/NA	Solid	Draft 1633	653714

LCMS (Continued)

Analysis Batch: 654056 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 280-653714/3-A	Lab Control Sample	Total/NA	Solid	Draft 1633	653714
LLCS 280-653714/2-A	Lab Control Sample	Total/NA	Solid	Draft 1633	653714
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	Draft 1633	653714
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	Draft 1633	653714

Analysis Batch: 654100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	Draft 1633	653716
MB 280-653716/1-A	Method Blank	Total/NA	Solid	Draft 1633	653716
LCS 280-653716/3-A	Lab Control Sample	Total/NA	Solid	Draft 1633	653716
LLCS 280-653716/2-A	Lab Control Sample	Total/NA	Solid	Draft 1633	653716

Metals

Prep Batch: 711177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	3050B	
MB 480-711177/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-711177/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 711402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	7471B	
MB 480-711402/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-711402/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 711454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	6010D	711177
MB 480-711177/1-A	Method Blank	Total/NA	Solid	6010D	711177
LCSSRM 480-711177/2-A	Lab Control Sample	Total/NA	Solid	6010D	711177

Prep Batch: 711474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	7471B	
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	7471B	
480-219687-7	DUP-01-050824	Total/NA	Solid	7471B	
MB 480-711474/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-711474/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	7471B	
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	7471B	

Analysis Batch: 711542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	7471B	711402
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	7471B	711474
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	7471B	711474
480-219687-7	DUP-01-050824	Total/NA	Solid	7471B	711474
MB 480-711402/1-A	Method Blank	Total/NA	Solid	7471B	711402
MB 480-711474/1-A	Method Blank	Total/NA	Solid	7471B	711474
LCSSRM 480-711402/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	711402

Metals (Continued)

Analysis Batch: 711542 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 480-711474/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	711474
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	7471B	711474
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	7471B	711474

Prep Batch: 711592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	3050B	
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	3050B	
480-219687-7	DUP-01-050824	Total/NA	Solid	3050B	
MB 480-711592/1-A	Method Blank	Total/NA	Solid	3050B	
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	3050B	
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	3050B	

Analysis Batch: 711880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	6010D	711592
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	6010D	711592
480-219687-7	DUP-01-050824	Total/NA	Solid	6010D	711592
MB 480-711592/1-A	Method Blank	Total/NA	Solid	6010D	711592
LCSSRM 480-711880/46	Lab Control Sample	Total/NA	Solid	6010D	
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	6010D	711592
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	6010D	711592

General Chemistry

Analysis Batch: 711200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	Moisture	
480-219611-2	SB-07-45.0-45.5-050724	Total/NA	Solid	Moisture	
480-219611-3	SB-09-4.5-5.0-050724	Total/NA	Solid	Moisture	
480-219611-4	SB-09-11.2-11.7-050724	Total/NA	Solid	Moisture	

Analysis Batch: 711256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219561-1	SB-01-6.5-7.0-050624	Total/NA	Solid	Moisture	
480-219561-2	SB-01-40.0-40.5-050624	Total/NA	Solid	Moisture	

Analysis Batch: 711407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-1	SB-09-21.0-21.5-050824	Total/NA	Solid	Moisture	
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	Moisture	
480-219687-3	SB-11-4.5-5.0-050824	Total/NA	Solid	Moisture	
480-219687-4	SB-11-9.5-10.0-050824	Total/NA	Solid	Moisture	
480-219687-5	SB-11-20.5-21-0-050824	Total/NA	Solid	Moisture	
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	Moisture	
480-219687-7	DUP-01-050824	Total/NA	Solid	Moisture	
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	Moisture	
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	Moisture	

General Chemistry

Prep Batch: 711943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	9012B	
MB 480-711943/1-A	Method Blank	Total/NA	Solid	9012B	
LCS 480-711943/3-A	Lab Control Sample	Total/NA	Solid	9012B	
LCS 480-711943/4-A	Lab Control Sample	Total/NA	Solid	9012B	
LCSSRM 480-711943/2-A ^1	Lab Control Sample	Total/NA	Solid	9012B	
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	9012B	
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	9012B	

Analysis Batch: 711971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219687-6	SB-11-44.5-45.0-050824	Total/NA	Solid	9012B	711943
MB 480-711943/1-A	Method Blank	Total/NA	Solid	9012B	711943
LCS 480-711943/3-A	Lab Control Sample	Total/NA	Solid	9012B	711943
LCS 480-711943/4-A	Lab Control Sample	Total/NA	Solid	9012B	711943
LCSSRM 480-711943/2-A ^1	Lab Control Sample	Total/NA	Solid	9012B	711943
480-219687-6 MS	SB-11-44.5-45.0-050824	Total/NA	Solid	9012B	711943
480-219687-6 MSD	SB-11-44.5-45.0-050824	Total/NA	Solid	9012B	711943

Prep Batch: 712882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	9012B	
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	9012B	
480-219687-7	DUP-01-050824	Total/NA	Solid	9012B	
MB 480-712882/1-A	Method Blank	Total/NA	Solid	9012B	
LCS 480-712882/3-A	Lab Control Sample	Total/NA	Solid	9012B	
LCS 480-712882/4-A	Lab Control Sample	Total/NA	Solid	9012B	
LCSSRM 480-712882/2-A ^1	Lab Control Sample	Total/NA	Solid	9012B	

Analysis Batch: 712909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-219611-1	SB-07-21.0-21.5-050724	Total/NA	Solid	9012B	712882
480-219687-2	SB-09-33.5-34.0-050824	Total/NA	Solid	9012B	712882
480-219687-7	DUP-01-050824	Total/NA	Solid	9012B	712882
MB 480-712882/1-A	Method Blank	Total/NA	Solid	9012B	712882
LCS 480-712882/3-A	Lab Control Sample	Total/NA	Solid	9012B	712882
LCS 480-712882/4-A	Lab Control Sample	Total/NA	Solid	9012B	712882
LCSSRM 480-712882/2-A ^1	Lab Control Sample	Total/NA	Solid	9012B	712882

Lab Chronicle

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

Client Sample ID: SB-01-6.5-7.0-050624
Lab Sample ID: 480-219561-1
Date Collected: 05/06/24 10:25
Matrix: Solid
Date Received: 05/07/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	711256	CDC	EET BUF	05/08/24 20:30

Client Sample ID: SB-01-6.5-7.0-050624
Lab Sample ID: 480-219561-1
Date Collected: 05/06/24 10:25
Matrix: Solid
Date Received: 05/07/24 10:00
Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			711075	CDC	EET BUF	05/07/24 11:45
Total/NA	Analysis	8260C		1	711076	CDC	EET BUF	05/08/24 03:24

Client Sample ID: SB-01-40.0-40.5-050624
Lab Sample ID: 480-219561-2
Date Collected: 05/06/24 13:30
Matrix: Solid
Date Received: 05/07/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	711256	CDC	EET BUF	05/08/24 20:30

Client Sample ID: SB-01-40.0-40.5-050624
Lab Sample ID: 480-219561-2
Date Collected: 05/06/24 13:30
Matrix: Solid
Date Received: 05/07/24 10:00
Percent Solids: 70.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			711075	CDC	EET BUF	05/07/24 11:45
Total/NA	Analysis	8260C		1	711076	CDC	EET BUF	05/08/24 03:49

Client Sample ID: SB-07-21.0-21.5-050724
Lab Sample ID: 480-219611-1
Date Collected: 05/07/24 09:15
Matrix: Solid
Date Received: 05/08/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	711200	EMD	EET BUF	05/08/24 15:11

Client Sample ID: SB-07-21.0-21.5-050724
Lab Sample ID: 480-219611-1
Date Collected: 05/07/24 09:15
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 75.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			711242	CDC	EET BUF	05/08/24 17:00
Total/NA	Analysis	8260C		1	711243	CDC	EET BUF	05/08/24 23:24
Total/NA	Prep	3550C			711214	SJM	EET BUF	05/08/24 16:31
Total/NA	Analysis	8270D		1	711455	JMM	EET BUF	05/10/24 19:21
Total/NA	Prep	3550C			711277	VXF	EET BUF	05/09/24 08:12
Total/NA	Analysis	8081B		1	711518	JLS	EET BUF	05/10/24 19:05
Total/NA	Prep	3550C			711224	SJM	EET BUF	05/08/24 16:44
Total/NA	Analysis	8082A		1	711366	W1T	EET BUF	05/09/24 22:11

Lab Chronicle

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

Client Sample ID: SB-07-21.0-21.5-050724
Lab Sample ID: 480-219611-1
Date Collected: 05/07/24 09:15
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 75.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633 Shake			653716	KH	EET DEN	05/16/24 07:11
Total/NA	Analysis	Draft 1633		1	654100	SCS	EET DEN	05/21/24 02:08
Total/NA	Prep	3050B			711177	EMO	EET BUF	05/08/24 15:02
Total/NA	Analysis	6010D		1	711454	BMB	EET BUF	05/09/24 22:20
Total/NA	Prep	7471B			711402	ESB	EET BUF	05/10/24 09:21
Total/NA	Analysis	7471B		1	711542	ESB	EET BUF	05/10/24 12:01
Total/NA	Prep	9012B			712882	AM	EET BUF	05/21/24 13:50
Total/NA	Analysis	9012B		1	712909	AM	EET BUF	05/21/24 16:43

Client Sample ID: SB-07-45.0-45.5-050724
Lab Sample ID: 480-219611-2
Date Collected: 05/07/24 12:12
Matrix: Solid
Date Received: 05/08/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	711200	EMD	EET BUF	05/08/24 15:11

Client Sample ID: SB-07-45.0-45.5-050724
Lab Sample ID: 480-219611-2
Date Collected: 05/07/24 12:12
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			711242	CDC	EET BUF	05/08/24 17:00
Total/NA	Analysis	8260C		1	711243	CDC	EET BUF	05/08/24 23:48

Client Sample ID: SB-09-4.5-5.0-050724
Lab Sample ID: 480-219611-3
Date Collected: 05/07/24 14:10
Matrix: Solid
Date Received: 05/08/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	711200	EMD	EET BUF	05/08/24 15:11

Client Sample ID: SB-09-4.5-5.0-050724
Lab Sample ID: 480-219611-3
Date Collected: 05/07/24 14:10
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			711336	ZN	EET BUF	05/09/24 11:13
Total/NA	Analysis	8260C		1	711284	ZN	EET BUF	05/09/24 17:29

Client Sample ID: SB-09-11.2-11.7-050724
Lab Sample ID: 480-219611-4
Date Collected: 05/07/24 14:25
Matrix: Solid
Date Received: 05/08/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	711200	EMD	EET BUF	05/08/24 15:11

Client Sample ID: SB-09-11.2-11.7-050724

Lab Sample ID: 480-219611-4
Date Collected: 05/07/24 14:25
Matrix: Solid
Date Received: 05/08/24 10:00
Percent Solids: 73.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			711336	ZN	EET BUF	05/09/24 11:13
Total/NA	Analysis	8260C		1	711284	ZN	EET BUF	05/09/24 17:52

Client Sample ID: SB-09-21.0-21.5-050824

Lab Sample ID: 480-219687-1
Date Collected: 05/08/24 08:55
Matrix: Solid
Date Received: 05/09/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	711407	AF	EET BUF	05/09/24 16:14

Client Sample ID: SB-09-21.0-21.5-050824

Lab Sample ID: 480-219687-1
Date Collected: 05/08/24 08:55
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			711745	ZN	EET BUF	05/13/24 08:59
Total/NA	Analysis	8260C		1	711731	ZN	EET BUF	05/13/24 14:12

Client Sample ID: SB-09-33.5-34.0-050824

Lab Sample ID: 480-219687-2
Date Collected: 05/08/24 09:40
Matrix: Solid
Date Received: 05/09/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	711407	AF	EET BUF	05/09/24 16:14

Client Sample ID: SB-09-33.5-34.0-050824

Lab Sample ID: 480-219687-2
Date Collected: 05/08/24 09:40
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 73.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			711626	CDC	EET BUF	05/09/24 13:00
Total/NA	Analysis	8260C		1	711627	CDC	EET BUF	05/11/24 10:53
Total/NA	Prep	3550C			711416	SJM	EET BUF	05/09/24 16:25
Total/NA	Analysis	8270D		1	711455	JMM	EET BUF	05/10/24 21:13
Total/NA	Prep	3550C			711473	SMP	EET BUF	05/10/24 08:08
Total/NA	Analysis	8081B		1	711724	JLS	EET BUF	05/13/24 12:21
Total/NA	Prep	3550C			711419	SJM	EET BUF	05/09/24 16:28
Total/NA	Analysis	8082A		1	711826	W1T	EET BUF	05/14/24 00:29
Total/NA	Prep	1633 Shake			653714	KH	EET DEN	05/17/24 07:11
Total/NA	Analysis	Draft 1633		1	654056	SCS	EET DEN	05/20/24 22:21
Total/NA	Prep	3050B			711592	EMO	EET BUF	05/10/24 16:08
Total/NA	Analysis	6010D		1	711880	NZG	EET BUF	05/13/24 14:35
Total/NA	Prep	7471B			711474	ESB	EET BUF	05/10/24 09:21
Total/NA	Analysis	7471B		1	711542	ESB	EET BUF	05/10/24 12:16
Total/NA	Prep	9012B			712882	AM	EET BUF	05/21/24 13:50
Total/NA	Analysis	9012B		1	712909	AM	EET BUF	05/21/24 16:47

Client Sample ID: SB-11-4.5-5.0-050824
Lab Sample ID: 480-219687-3
Date Collected: 05/08/24 12:35
Matrix: Solid
Date Received: 05/09/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	711407	AF	EET BUF	05/09/24 16:14

Client Sample ID: SB-11-4.5-5.0-050824
Lab Sample ID: 480-219687-3
Date Collected: 05/08/24 12:35
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			711745	ZN	EET BUF	05/13/24 08:59
Total/NA	Analysis	8260C		1	711731	ZN	EET BUF	05/13/24 14:36

Client Sample ID: SB-11-9.5-10.0-050824
Lab Sample ID: 480-219687-4
Date Collected: 05/08/24 12:55
Matrix: Solid
Date Received: 05/09/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	711407	AF	EET BUF	05/09/24 16:14

Client Sample ID: SB-11-9.5-10.0-050824
Lab Sample ID: 480-219687-4
Date Collected: 05/08/24 12:55
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 79.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			711745	ZN	EET BUF	05/13/24 08:59
Total/NA	Analysis	8260C		2	711731	ZN	EET BUF	05/13/24 14:59

Client Sample ID: SB-11-20.5-21-0-050824
Lab Sample ID: 480-219687-5
Date Collected: 05/08/24 13:15
Matrix: Solid
Date Received: 05/09/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	711407	AF	EET BUF	05/09/24 16:14

Client Sample ID: SB-11-20.5-21-0-050824
Lab Sample ID: 480-219687-5
Date Collected: 05/08/24 13:15
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 65.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			711626	CDC	EET BUF	05/09/24 13:00
Total/NA	Analysis	8260C		1	711627	CDC	EET BUF	05/11/24 11:17

Client Sample ID: SB-11-44.5-45.0-050824
Lab Sample ID: 480-219687-6
Date Collected: 05/08/24 15:05
Matrix: Solid
Date Received: 05/09/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	711407	AF	EET BUF	05/09/24 16:14

Lab Chronicle

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

Client Sample ID: SB-11-44.5-45.0-050824

Lab Sample ID: 480-219687-6
Date Collected: 05/08/24 15:05
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 64.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			711626	CDC	EET BUF	05/09/24 13:00
Total/NA	Analysis	8260C		1	711627	CDC	EET BUF	05/11/24 11:42
Total/NA	Prep	3550C			711416	SJM	EET BUF	05/09/24 16:25
Total/NA	Analysis	8270D		1	711455	JMM	EET BUF	05/10/24 20:45
Total/NA	Prep	3550C			711473	SMP	EET BUF	05/10/24 08:08
Total/NA	Analysis	8081B		1	711724	JLS	EET BUF	05/13/24 12:01
Total/NA	Prep	3550C			711419	SJM	EET BUF	05/09/24 16:28
Total/NA	Analysis	8082A		1	711826	W1T	EET BUF	05/14/24 00:12
Total/NA	Prep	1633 Shake			653714	KH	EET DEN	05/17/24 07:11
Total/NA	Analysis	Draft 1633		1	654056	SCS	EET DEN	05/20/24 22:41
Total/NA	Prep	3050B			711592	EMO	EET BUF	05/10/24 16:08
Total/NA	Analysis	6010D		1	711880	NZG	EET BUF	05/13/24 14:37
Total/NA	Prep	7471B			711474	ESB	EET BUF	05/10/24 09:21
Total/NA	Analysis	7471B		1	711542	ESB	EET BUF	05/10/24 12:17
Total/NA	Prep	9012B			711943	AM	EET BUF	05/14/24 13:15
Total/NA	Analysis	9012B		1	711971	AM	EET BUF	05/14/24 15:48

Client Sample ID: DUP-01-050824

Lab Sample ID: 480-219687-7
Date Collected: 05/08/24 00:00
Matrix: Solid
Date Received: 05/09/24 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	711407	AF	EET BUF	05/09/24 16:14

Client Sample ID: DUP-01-050824

Lab Sample ID: 480-219687-7
Date Collected: 05/08/24 00:00
Matrix: Solid
Date Received: 05/09/24 10:00
Percent Solids: 75.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_L			711626	CDC	EET BUF	05/09/24 13:00
Total/NA	Analysis	8260C		1	711627	CDC	EET BUF	05/11/24 12:05
Total/NA	Prep	3550C			711416	SJM	EET BUF	05/09/24 16:25
Total/NA	Analysis	8270D		1	711758	JMM	EET BUF	05/13/24 12:06
Total/NA	Prep	3550C			711473	SMP	EET BUF	05/10/24 08:08
Total/NA	Analysis	8081B		1	711724	JLS	EET BUF	05/13/24 12:41
Total/NA	Prep	3550C			711419	SJM	EET BUF	05/09/24 16:28
Total/NA	Analysis	8082A		1	711826	W1T	EET BUF	05/14/24 00:47
Total/NA	Prep	1633 Shake			653714	KH	EET DEN	05/17/24 07:11
Total/NA	Analysis	Draft 1633		1	654056	SCS	EET DEN	05/20/24 23:39
Total/NA	Prep	3050B			711592	EMO	EET BUF	05/10/24 16:08
Total/NA	Analysis	6010D		1	711880	NZG	EET BUF	05/13/24 14:52
Total/NA	Prep	7471B			711474	ESB	EET BUF	05/10/24 09:21
Total/NA	Analysis	7471B		1	711542	ESB	EET BUF	05/10/24 12:23
Total/NA	Prep	9012B			712882	AM	EET BUF	05/21/24 13:50
Total/NA	Analysis	9012B		1	712909	AM	EET BUF	05/21/24 16:49

Lab Chronicle

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

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
Arkansas DEQ	State	88-0686	07-06-24
Connecticut	State	PH-0807	03-31-25
Florida	NELAP	E87672	06-30-23 *
Georgia	State	10026 (NY)	03-31-25
Georgia	State Program	N/A	03-31-09 *
Illinois	NELAP	200003	09-30-24
Iowa	State	374	03-01-25
Iowa	State Program	374	03-01-09 *
Kansas	NELAP	E-10187	02-01-25
Kentucky (UST)	State	108092	04-01-24 *
Kentucky (WW)	State	KY90029	12-31-24
Louisiana	NELAP	02031	06-30-23 *
Louisiana (All)	NELAP	02031	06-30-23 *
Maine	State	NY00044	12-04-24
Maryland	State	294	06-30-24
Massachusetts	State	M-NY044	07-01-24
Michigan	State	9937	03-31-25
Michigan	State Program	9937	04-01-09 *
New Hampshire	NELAP	2973	09-11-19 *
New Hampshire	NELAP	2337	11-17-24
New Jersey	NELAP	NY455	06-30-24
New York	NELAP	10026	05-27-24
Pennsylvania	NELAP	68-00281	08-31-24
Rhode Island	State	LAO00378	12-30-24
Texas	NELAP	T104704412-18-10	07-31-23 *
Virginia	NELAP	460185	09-14-24
Washington	State	C784	02-10-25
Wisconsin	State	998310390	08-31-24

Laboratory: Eurofins Denver

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-24
A2LA	ISO/IEC 17025	2907.01	10-31-25
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	11-30-25
Arizona	State	AZ0713	12-20-24
Arkansas DEQ	State	19-047-0	04-21-24 *
California	State	2513	01-08-25
Connecticut	State	PH-0686	09-30-24
Florida	NELAP	E87667-57	06-30-24
Georgia	State	4025-011	01-08-25
Illinois	NELAP	2000172024-9	05-28-24
Iowa	State	370	12-01-24
Kansas	NELAP	E-10166	05-23-24
Kentucky (WW)	State	KY98047	12-31-24
Louisiana	NELAP	30785	06-30-14 *
Louisiana (All)	NELAP	30785	06-30-24
Minnesota	NELAP	1788752	12-31-24

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

Laboratory: Eurofins Denver (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Nevada	State	CO000262024-08	05-22-24
New Hampshire	NELAP	2053	04-28-25
New Jersey	NELAP	230001	06-30-24
New York	NELAP	59923	04-01-25
North Dakota	State	R-034	01-08-24 *
Oklahoma	NELAP	8614	08-31-24
Oregon	NELAP	4025-020	01-08-25
Pennsylvania	NELAP	013	07-31-24
South Carolina	State	72002001	01-08-24 *
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-23-23	09-30-24
USDA	US Federal Programs	P330-20-00065	12-19-25
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-24
Virginia	NELAP	460232	06-14-24
Washington	State	C583	08-03-24
West Virginia DEP	State	354	11-30-24
Wisconsin	State	999615430	08-31-24
Wyoming (UST)	A2LA	2907.01	10-31-25

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8081B	Organochlorine Pesticides (GC)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
Draft 1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET DEN
6010D	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
9012B	Cyanide, Total andor Amenable	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
1633 Shake	Shake Extraction with SPE	EPA	EET DEN
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
5035A_L	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-219561-1
SDG: 480-219561-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-219561-1	SB-01-6.5-7.0-050624	Solid	05/06/24 10:25	05/07/24 10:00
480-219561-2	SB-01-40.0-40.5-050624	Solid	05/06/24 13:30	05/07/24 10:00
480-219611-1	SB-07-21.0-21.5-050724	Solid	05/07/24 09:15	05/08/24 10:00
480-219611-2	SB-07-45.0-45.5-050724	Solid	05/07/24 12:12	05/08/24 10:00
480-219611-3	SB-09-4.5-5.0-050724	Solid	05/07/24 14:10	05/08/24 10:00
480-219611-4	SB-09-11.2-11.7-050724	Solid	05/07/24 14:25	05/08/24 10:00
480-219687-1	SB-09-21.0-21.5-050824	Solid	05/08/24 08:55	05/09/24 10:00
480-219687-2	SB-09-33.5-34.0-050824	Solid	05/08/24 09:40	05/09/24 10:00
480-219687-3	SB-11-4.5-5.0-050824	Solid	05/08/24 12:35	05/09/24 10:00
480-219687-4	SB-11-9.5-10.0-050824	Solid	05/08/24 12:55	05/09/24 10:00
480-219687-5	SB-11-20.5-21-0-050824	Solid	05/08/24 13:15	05/09/24 10:00
480-219687-6	SB-11-44.5-45.0-050824	Solid	05/08/24 15:05	05/09/24 10:00
480-219687-7	DUP-01-050824	Solid	05/08/24 00:00	05/09/24 10:00

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing

Client Information	Sampler: Tom Quackenbush	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-195928-40683.1
Client Contact: Ms Rebecca McDonald	Phone: 518 812 2823	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 1
Company: Ramboll Americas Engineering Solutions	PWSID:			Job #
Address: 94 New Karner Road Suite 106	Due Date Requested:			
City: Albany	TAT Requested (days): Standard TAT			
State, Zip: NY, 12203	Compliance Project: (Δ) Yes Δ No			
Phone:	PO #: 1940009211			
Email: Rebecca.McDonald@ramboll.com	WO #:			
Project Name: NYSDEC - Silvestri Dry Cleaners Site	Project #: 48027521			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: N - None

Other:

Special Instructions/Note:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs + TICs	1633_B24 - PFAS - NY Standard 40 Analyte List	9012B - Cyanide, Total	6010C, 7471B	8081B, 8082A, 8270D	Total Number of containers
			Preservation Code:				N	N	N	N	N	
SB-01-6.5-7.0-050624	5/16/24	1025	G	Solid	N		X					4
SB-01-40.0-40.5-050624	5/16/24	1330	G	Solid	N		X					4
TRQ 5/16/24 ~~FB-01-050624~~	~~5/16/24~~			~~Solid~~			~~X~~					
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								

TMC

5-16-24

480-219561 Chain of Custody

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, (IV) Other (specify) NYS DEC EDDs

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:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Thomas Quackenbush	Date/Time: 5/16/2024 1615	Company: Ramboll	Received by:
Relinquished by:	Date/Time: 5-16-24 1700	Company: EETW	Received by: Cwalbert
Relinquished by:	Date/Time:	Company:	Received by:

Received by	Date/Time	Company
	5-16-24 1618	EETW
Cwalbert	5/17/24 1000	TAB
	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: #1 3.5

Ver: 06/08/2021

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

eurofins | Environment Testing

Client Information	Sampler: Tom Quackenbush	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-195928-40683.2
Client Contact: Ms. Rebecca McDonald	Phone: 518-912-2823	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 1
Company: Ramboll Americas Engineering Solutions	PWSID:			Job #:
Address: 94 New Karner Road Suite 106	Due Date Requested:			
City: Albany	TAT Requested (days): Standard TAT			
State, Zip: NY, 12203	Compliance Project: (Yes) No			
Phone:	PO #: 1940009211			
Email: Rebecca.McDonald@ramboll.com	WO #:			
Project Name: NYSDEC - Silvestri Dry Cleaners Site	Project #: 48027521			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs + TICs	1633_B24 - PFAS - NY Standard 40 Analyte List	9012B - Cyanide, Total	6010C, 7471B	8081B, 8082A, 8270D	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N		
SB-07-21.0-21.5-050724	5/7/24	0915	6	Solid			X	X	X	X	X		
SB-07-45.0-45.5-050724	5/7/24	1212	6	Solid			X						
SB-09-4.5-5.0-050724	5/7/24	1410	6	Solid			X						
SB-09-11.2-11.7-050724	5/7/24	1425	6	Solid			X						
TRO 5/7/24 EB-01-050724	5/7/24		6	Solid									
				Solid									
				Solid									
				Solid									
				Solid									
				Solid									
				Solid									

Preservation Codes: N - None
Other:
Special Instructions/Note:

480-219611 Chain of Custody

TM 5-7-24

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, (IV) Other (specify) NYS DEC EDD's

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Thomas Quackenbush	5/7/24 1607	Ramboll	Tim Knuller	5-7-24 1607	EEGN
2	Tim Knuller	5-7-24 1800	EEGN	Lyn	5-8-24 1000	TAB
3						

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.4 ICE

Ver: 06/08/2021

~~Eurofins Lancaster Laboratories Environmental~~
~~2425 New Holland Pike~~ 10 Hazelwood Drive
Buffalo ~~Lancaster, PA 17601~~ NY 14228
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

Albany #224

eurofins | Environment Testing

Client Information	Sampler: Thomas Ankenbush	Lab PM: ~~Moeller, Megan~~ Schove, John	Carrier Tracking No(s):	COC No: 410-119097-32469.2
Client Contact: ~~Jasmine Mullins~~ Rebecca McDonald	Phone: 518 912 2823	E-Mail: John.Schove@et.eurofinsus.com ~~Megan.Moeller@et.eurofinsus.com~~	State of Origin: NY	Page: Page ~~2~~ 1 of ~~2~~ 1
Company: Ramboll Americas Engineering Solutions	PWSID:	Analysis Requested		Job #:
Address: 94 New Kamer Road Suite 106	Due Date Requested:			Preservation Codes: A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Y - Trizma; Z - other (specify); Other:
City: Albany	TAT Requested (days): Standard TAT			
State, Zip: NY, 12203	Compliance Project: ☑ Yes ☐ No			
Phone:	PO #: ~~See DOCs~~ 1940009211			
Email: ~~jmullins@ramboll.com~~ Rebecca.McDonald@ramboll.com	WO #:			
Project Name: ~~OE - Dewey Loeffel Landfill~~ NYSDEC S'Investi	Project #: ~~41002005~~ 48027521			
Site: New York	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C TCL VOCs + TICs	1633_B24 - PFAS-NY stnd, 40 analyte list	9012B - Cyanide, total	6010C, 7471B	8081B, 8082A, 8270D SIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SB-09-21.0-21.5-050824	5/8/24	0855	6	S			X						
SB-09-33.5-34.0-050824	5/8/24	0940	6	S			X	X	X	X	X		
SB-11-4.5-5.0-050824	5/8/24	1235	6	S			X						
SB-11-9.5-10.0-050824	5/8/24	1255	6	S			X						
SB-11-20.5-21.0-050824	5/8/24	1315	6	S			X						
SB-11-44.5-45.0-050824	5/8/24	1505	6	S			X	X	X	X	X		
SB-11-44.5-45.0-050824-MS	5/8/24	1505	6	S			X	X	X	X	X		
SB-11-44.5-45.0-050824-MSD	5/8/24	1505	6	S			X	X	X	X	X		
DUP-01-050524	5/8/24	-	6	S			X	X	X	X	X		

480-219687 Chain of Custody

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, ☑ IV, Other (specify) NYS DEC EDDs

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:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Thomas Ankenbush	5/8/24 1721	Ramboll		5-8-24 1721	EEPA
2		5-8-24 1800	EEPA		5/9/24 1000	TAL
3		Date/Time:	Company		Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: #1 2.9

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-219561-1
SDG Number: 480-219561-1

Login Number: 219561
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

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	
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	FREEZE 5-7-24 11:45
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	RAMBOLL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-219561-1
SDG Number: 480-219561-1

Login Number: 219611
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

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	
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	RAMBOLL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-219561-1
SDG Number: 480-219561-1

Login Number: 219611
List Number: 2
Creator: Naylis, Patrick J

List Source: Eurofins Denver
List Creation: 05/09/24 05:35 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
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?	N/A	
There are no discrepancies between the containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-219561-1
SDG Number: 480-219561-1

Login Number: 219687
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

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	
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	T CORES FROZEN @ 1300
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.	True	
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	RAMBOLL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-219561-1
SDG Number: 480-219561-1

Login Number: 219687
List Number: 2
Creator: Rystrom, Joshua R

List Source: Eurofins Denver
List Creation: 05/11/24 09:21 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
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?	N/A	
There are no discrepancies between the containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Rebecca McDonald
Ramboll Americas Engineering Solutions
94 New Karner Road
Suite 106
Albany, New York 12203

Generated 7/25/2024 3:59:12 PM

JOB DESCRIPTION

NYSDEC - Silvestri Dry Cleaners Site

JOB NUMBER

480-221769-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

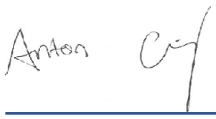
Eurofins Buffalo

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
Anton Gruning, Project Management Assistant I
Anton.Gruning@et.eurofinsus.com
Designee for
John Schove, Project Manager II
John.Schove@et.eurofinsus.com
(716)504-9838

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Definitions/Glossary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221769-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Qualifiers

GC/MS VOA

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.
U	Indicates the analyte was analyzed for but not detected.

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

Job ID: 480-221769-1 Eurofins Buffalo

Job Narrative
480-221769-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be 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.

Receipt
The samples were received on 7/18/2024 9:45 AM. 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 3.0°C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: GW - PES - 3 - 071724 (480-221769-1) and GW - MW - 2 - 071724 (480-221769-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221769-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: GW - PES - 3 - 071724 — Lab Sample ID: 480-221769-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	85		4.0	1.4	ug/L	4		8260C	Total/NA

Client Sample ID: GW - MW - 2 - 071724 — Lab Sample ID: 480-221769-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.1		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	160		2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	1.8	J	2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: TB - 01 - 071724 — Lab Sample ID: 480-221769-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.8	J	10	3.0	ug/L	1		8260C	Total/NA
Toluene	0.82	J	1.0	0.51	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221769-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: GW - PES - 3 - 071724
Lab Sample ID: 480-221769-1
Date Collected: 07/17/24 10:30
Matrix: Water
Date Received: 07/18/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.0	U	4.0	3.3	ug/L			07/22/24 16:35	4
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.84	ug/L			07/22/24 16:35	4
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0	U	4.0	1.2	ug/L			07/22/24 16:35	4
1,1,2-Trichloroethane	4.0	U	4.0	0.92	ug/L			07/22/24 16:35	4
1,1-Dichloroethane	4.0	U	4.0	1.5	ug/L			07/22/24 16:35	4
1,1-Dichloroethene	4.0	U	4.0	1.2	ug/L			07/22/24 16:35	4
1,2,4-Trichlorobenzene	4.0	U	4.0	1.6	ug/L			07/22/24 16:35	4
1,2-Dibromo-3-Chloropropane	4.0	U	4.0	1.6	ug/L			07/22/24 16:35	4
1,2-Dibromoethane	4.0	U	4.0	2.9	ug/L			07/22/24 16:35	4
1,2-Dichlorobenzene	4.0	U	4.0	3.2	ug/L			07/22/24 16:35	4
1,2-Dichloroethane	4.0	U	4.0	0.84	ug/L			07/22/24 16:35	4
1,2-Dichloropropane	4.0	U	4.0	2.9	ug/L			07/22/24 16:35	4
1,3-Dichlorobenzene	4.0	U	4.0	3.1	ug/L			07/22/24 16:35	4
1,4-Dichlorobenzene	4.0	U	4.0	3.4	ug/L			07/22/24 16:35	4
2-Butanone (MEK)	40	U	40	5.3	ug/L			07/22/24 16:35	4
2-Hexanone	20	U	20	5.0	ug/L			07/22/24 16:35	4
4-Methyl-2-pentanone (MIBK)	20	U	20	8.4	ug/L			07/22/24 16:35	4
Acetone	40	U	40	12	ug/L			07/22/24 16:35	4
Benzene	4.0	U	4.0	1.6	ug/L			07/22/24 16:35	4
Bromodichloromethane	4.0	U	4.0	1.6	ug/L			07/22/24 16:35	4
Bromoform	4.0	U	4.0	1.0	ug/L			07/22/24 16:35	4
Bromomethane	4.0	U	4.0	2.8	ug/L			07/22/24 16:35	4
Carbon disulfide	4.0	U	4.0	0.76	ug/L			07/22/24 16:35	4
Carbon tetrachloride	4.0	U	4.0	1.1	ug/L			07/22/24 16:35	4
Chlorobenzene	4.0	U	4.0	3.0	ug/L			07/22/24 16:35	4
Chloroethane	4.0	U	4.0	1.3	ug/L			07/22/24 16:35	4
Chloroform	4.0	U	4.0	1.4	ug/L			07/22/24 16:35	4
Chloromethane	4.0	U	4.0	1.4	ug/L			07/22/24 16:35	4
cis-1,2-Dichloroethene	4.0	U	4.0	3.2	ug/L			07/22/24 16:35	4
cis-1,3-Dichloropropene	4.0	U	4.0	1.4	ug/L			07/22/24 16:35	4
Cyclohexane	4.0	U	4.0	0.72	ug/L			07/22/24 16:35	4
Dibromochloromethane	4.0	U	4.0	1.3	ug/L			07/22/24 16:35	4
Dichlorodifluoromethane	4.0	U	4.0	2.7	ug/L			07/22/24 16:35	4
Ethylbenzene	4.0	U	4.0	3.0	ug/L			07/22/24 16:35	4
Isopropylbenzene	4.0	U	4.0	3.2	ug/L			07/22/24 16:35	4
Methyl acetate	10	U	10	5.2	ug/L			07/22/24 16:35	4
Methyl tert-butyl ether	4.0	U	4.0	0.64	ug/L			07/22/24 16:35	4
Methylcyclohexane	4.0	U	4.0	0.64	ug/L			07/22/24 16:35	4
Methylene Chloride	4.0	U	4.0	1.8	ug/L			07/22/24 16:35	4
Styrene	4.0	U	4.0	2.9	ug/L			07/22/24 16:35	4
Tetrachloroethene	**85**		4.0	1.4	ug/L			07/22/24 16:35	4
Toluene	4.0	U	4.0	2.0	ug/L			07/22/24 16:35	4
trans-1,2-Dichloroethene	4.0	U	4.0	3.6	ug/L			07/22/24 16:35	4
trans-1,3-Dichloropropene	4.0	U	4.0	1.5	ug/L			07/22/24 16:35	4
Trichloroethene	4.0	U	4.0	1.8	ug/L			07/22/24 16:35	4
Trichlorofluoromethane	4.0	U	4.0	3.5	ug/L			07/22/24 16:35	4
Vinyl chloride	4.0	U	4.0	3.6	ug/L			07/22/24 16:35	4
Xylenes, Total	8.0	U	8.0	2.6	ug/L			07/22/24 16:35	4

Client Sample ID: GW - PES - 3 - 071724
Lab Sample ID: 480-221769-1
Date Collected: 07/17/24 10:30
Matrix: Water
Date Received: 07/18/24 09:45

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		07/22/24 16:35	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		07/22/24 16:35	4
4-Bromofluorobenzene (Surr)	95		73 - 120		07/22/24 16:35	4
Dibromofluoromethane (Surr)	106		75 - 123		07/22/24 16:35	4
Toluene-d8 (Surr)	107		80 - 120		07/22/24 16:35	4

Client Sample ID: GW - MW - 2 - 071724
Lab Sample ID: 480-221769-2
Date Collected: 07/17/24 11:30
Matrix: Water
Date Received: 07/18/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0	U	2.0	1.6	ug/L			07/22/24 16:57	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.42	ug/L			07/22/24 16:57	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.62	ug/L			07/22/24 16:57	2
1,1,2-Trichloroethane	2.0	U	2.0	0.46	ug/L			07/22/24 16:57	2
1,1-Dichloroethane	2.0	U	2.0	0.76	ug/L			07/22/24 16:57	2
1,1-Dichloroethene	2.0	U	2.0	0.58	ug/L			07/22/24 16:57	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.82	ug/L			07/22/24 16:57	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.78	ug/L			07/22/24 16:57	2
1,2-Dibromoethane	2.0	U	2.0	1.5	ug/L			07/22/24 16:57	2
1,2-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			07/22/24 16:57	2
1,2-Dichloroethane	2.0	U	2.0	0.42	ug/L			07/22/24 16:57	2
1,2-Dichloropropane	2.0	U	2.0	1.4	ug/L			07/22/24 16:57	2
1,3-Dichlorobenzene	2.0	U	2.0	1.6	ug/L			07/22/24 16:57	2
1,4-Dichlorobenzene	2.0	U	2.0	1.7	ug/L			07/22/24 16:57	2
2-Butanone (MEK)	20	U	20	2.6	ug/L			07/22/24 16:57	2
2-Hexanone	10	U	10	2.5	ug/L			07/22/24 16:57	2
4-Methyl-2-pentanone (MIBK)	10	U	10	4.2	ug/L			07/22/24 16:57	2
Acetone	20	U	20	6.0	ug/L			07/22/24 16:57	2
Benzene	2.0	U	2.0	0.82	ug/L			07/22/24 16:57	2
Bromodichloromethane	2.0	U	2.0	0.78	ug/L			07/22/24 16:57	2
Bromoform	2.0	U	2.0	0.52	ug/L			07/22/24 16:57	2
Bromomethane	2.0	U	2.0	1.4	ug/L			07/22/24 16:57	2
Carbon disulfide	2.0	U	2.0	0.38	ug/L			07/22/24 16:57	2
Carbon tetrachloride	2.0	U	2.0	0.54	ug/L			07/22/24 16:57	2
Chlorobenzene	2.0	U	2.0	1.5	ug/L			07/22/24 16:57	2
Chloroethane	2.0	U	2.0	0.64	ug/L			07/22/24 16:57	2
Chloroform	2.0	U	2.0	0.68	ug/L			07/22/24 16:57	2
Chloromethane	2.0	U	2.0	0.70	ug/L			07/22/24 16:57	2
cis-1,2-Dichloroethene	**2.1**		2.0	1.6	ug/L			07/22/24 16:57	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.72	ug/L			07/22/24 16:57	2
Cyclohexane	2.0	U	2.0	0.36	ug/L			07/22/24 16:57	2
Dibromochloromethane	2.0	U	2.0	0.64	ug/L			07/22/24 16:57	2
Dichlorodifluoromethane	2.0	U	2.0	1.4	ug/L			07/22/24 16:57	2
Ethylbenzene	2.0	U	2.0	1.5	ug/L			07/22/24 16:57	2
Isopropylbenzene	2.0	U	2.0	1.6	ug/L			07/22/24 16:57	2
Methyl acetate	5.0	U	5.0	2.6	ug/L			07/22/24 16:57	2
Methyl tert-butyl ether	2.0	U	2.0	0.32	ug/L			07/22/24 16:57	2

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221769-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: GW - MW - 2 - 071724
Lab Sample ID: 480-221769-2
Date Collected: 07/17/24 11:30
Matrix: Water
Date Received: 07/18/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	2.0	U	2.0	0.32	ug/L			07/22/24 16:57	2
Methylene Chloride	2.0	U	2.0	0.88	ug/L			07/22/24 16:57	2
Styrene	2.0	U	2.0	1.5	ug/L			07/22/24 16:57	2
Tetrachloroethene	**160**		2.0	0.72	ug/L			07/22/24 16:57	2
Toluene	2.0	U	2.0	1.0	ug/L			07/22/24 16:57	2
trans-1,2-Dichloroethene	2.0	U	2.0	1.8	ug/L			07/22/24 16:57	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.74	ug/L			07/22/24 16:57	2
Trichloroethene	**1.8**	**J**	2.0	0.92	ug/L			07/22/24 16:57	2
Trichlorofluoromethane	2.0	U	2.0	1.8	ug/L			07/22/24 16:57	2
Vinyl chloride	2.0	U	2.0	1.8	ug/L			07/22/24 16:57	2
Xylenes, Total	4.0	U	4.0	1.3	ug/L			07/22/24 16:57	2

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*07/22/24 16:57*	*2*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*07/22/24 16:57*	*2*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*07/22/24 16:57*	*2*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*07/22/24 16:57*	*2*
Toluene-d8 (Surr)	*109*		*80 - 120*		*07/22/24 16:57*	*2*

Client Sample ID: TB - 01 - 071724
Lab Sample ID: 480-221769-3
Date Collected: 07/17/24 00:00
Matrix: Water
Date Received: 07/18/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/22/24 17:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 17:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/22/24 17:19	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/22/24 17:19	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/22/24 17:19	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/22/24 17:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/24 17:19	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/22/24 17:19	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/22/24 17:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/22/24 17:19	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 17:19	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/22/24 17:19	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/22/24 17:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/22/24 17:19	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/22/24 17:19	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/22/24 17:19	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/22/24 17:19	1
Acetone	**3.8**	**J**	10	3.0	ug/L			07/22/24 17:19	1
Benzene	1.0	U	1.0	0.41	ug/L			07/22/24 17:19	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/22/24 17:19	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/22/24 17:19	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/22/24 17:19	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/22/24 17:19	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221769-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: TB - 01 - 071724
Lab Sample ID: 480-221769-3
Date Collected: 07/17/24 00:00
Matrix: Water
Date Received: 07/18/24 09:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/22/24 17:19	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/22/24 17:19	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/22/24 17:19	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/22/24 17:19	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/22/24 17:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/22/24 17:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/24 17:19	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/22/24 17:19	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/22/24 17:19	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/22/24 17:19	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/22/24 17:19	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/22/24 17:19	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/22/24 17:19	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/22/24 17:19	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/22/24 17:19	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/22/24 17:19	1
Styrene	1.0	U	1.0	0.73	ug/L			07/22/24 17:19	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			07/22/24 17:19	1
Toluene	**0.82**	**J**	1.0	0.51	ug/L			07/22/24 17:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/22/24 17:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/22/24 17:19	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/22/24 17:19	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/22/24 17:19	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/22/24 17:19	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/22/24 17:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*07/22/24 17:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*07/22/24 17:19*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*07/22/24 17:19*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*07/22/24 17:19*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*07/22/24 17:19*	*1*

Surrogate Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221769-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-221769-1	GW - PES - 3 - 071724	108	95	106	107
480-221769-2	GW - MW - 2 - 071724	104	96	105	109
480-221769-3	TB - 01 - 071724	105	95	105	107
LCS 480-719182/6	Lab Control Sample	106	98	103	103
MB 480-719182/8	Method Blank	107	97	106	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221769-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-719182/8
Matrix: Water
Analysis Batch: 719182

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/22/24 15:50	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 15:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/22/24 15:50	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/22/24 15:50	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/22/24 15:50	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/22/24 15:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/24 15:50	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/22/24 15:50	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/22/24 15:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/22/24 15:50	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 15:50	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/22/24 15:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/22/24 15:50	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/22/24 15:50	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/22/24 15:50	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/22/24 15:50	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/22/24 15:50	1
Acetone	10	U	10	3.0	ug/L			07/22/24 15:50	1
Benzene	1.0	U	1.0	0.41	ug/L			07/22/24 15:50	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/22/24 15:50	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/22/24 15:50	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/22/24 15:50	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/22/24 15:50	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/22/24 15:50	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/22/24 15:50	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/22/24 15:50	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/22/24 15:50	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/22/24 15:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/22/24 15:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/24 15:50	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/22/24 15:50	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/22/24 15:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/22/24 15:50	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/22/24 15:50	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/22/24 15:50	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/22/24 15:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/22/24 15:50	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/22/24 15:50	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/22/24 15:50	1
Styrene	1.0	U	1.0	0.73	ug/L			07/22/24 15:50	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			07/22/24 15:50	1
Toluene	1.0	U	1.0	0.51	ug/L			07/22/24 15:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/22/24 15:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/22/24 15:50	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/22/24 15:50	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/22/24 15:50	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/22/24 15:50	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/22/24 15:50	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-719182/8
Matrix: Water
Analysis Batch: 719182

Client Sample ID: Method Blank
Prep Type: Total/NA

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		07/22/24 15:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		07/22/24 15:50	1
4-Bromofluorobenzene (Surr)	97		73 - 120		07/22/24 15:50	1
Dibromofluoromethane (Surr)	106		75 - 123		07/22/24 15:50	1
Toluene-d8 (Surr)	106		80 - 120		07/22/24 15:50	1

Lab Sample ID: LCS 480-719182/6
Matrix: Water
Analysis Batch: 719182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.2		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.1		ug/L		108	61 - 148
1,1,2-Trichloroethane	25.0	23.6		ug/L		94	76 - 122
1,1-Dichloroethane	25.0	24.4		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	25.4		ug/L		102	66 - 127
1,2,4-Trichlorobenzene	25.0	29.7		ug/L		119	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	31.0		ug/L		124	56 - 134
1,2-Dibromoethane	25.0	24.3		ug/L		97	77 - 120
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	24.3		ug/L		97	75 - 120
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	24.0		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.3		ug/L		93	80 - 120
2-Butanone (MEK)	125	130		ug/L		104	57 - 140
2-Hexanone	125	129		ug/L		103	65 - 127
4-Methyl-2-pentanone (MIBK)	125	136		ug/L		109	71 - 125
Acetone	125	128		ug/L		102	56 - 142
Benzene	25.0	23.9		ug/L		96	71 - 124
Bromodichloromethane	25.0	25.4		ug/L		101	80 - 122
Bromoform	25.0	29.0		ug/L		116	61 - 132
Bromomethane	25.0	28.7		ug/L		115	55 - 144
Carbon disulfide	25.0	24.4		ug/L		98	59 - 134
Carbon tetrachloride	25.0	27.9		ug/L		112	72 - 134
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120
Chloroethane	25.0	27.8		ug/L		111	69 - 136
Chloroform	25.0	22.9		ug/L		92	73 - 127
Chloromethane	25.0	26.5		ug/L		106	68 - 124
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	24.0		ug/L		96	74 - 124
Cyclohexane	25.0	25.8		ug/L		103	59 - 135
Dibromochloromethane	25.0	27.2		ug/L		109	75 - 125
Dichlorodifluoromethane	25.0	28.4		ug/L		114	59 - 135
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-719182/6
Matrix: Water
Analysis Batch: 719182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Isopropylbenzene			25.0	24.9		ug/L		100	77 - 122		
Methyl acetate			50.0	51.1		ug/L		102	74 - 133		
Methyl tert-butyl ether			25.0	23.1		ug/L		92	77 - 120		
Methylcyclohexane			25.0	25.5		ug/L		102	68 - 134		
Methylene Chloride			25.0	24.7		ug/L		99	75 - 124		
Styrene			25.0	23.5		ug/L		94	80 - 120		
Tetrachloroethene			25.0	25.1		ug/L		101	74 - 122		
Toluene			25.0	23.1		ug/L		92	80 - 122		
trans-1,2-Dichloroethene			25.0	23.6		ug/L		94	73 - 127		
Trichloroethene			25.0	24.1		ug/L		96	74 - 123		
Trichlorofluoromethane			25.0	29.0		ug/L		116	62 - 150		
Vinyl chloride			25.0	27.5		ug/L		110	65 - 133		
Xylenes, Total			50.0	47.6		ug/L		95	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*
Toluene-d8 (Surr)	*103*		*80 - 120*

QC Association Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221769-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

GC/MS VOA

Analysis Batch: 719182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221769-1	GW - PES - 3 - 071724	Total/NA	Water	8260C	
480-221769-2	GW - MW - 2 - 071724	Total/NA	Water	8260C	
480-221769-3	TB - 01 - 071724	Total/NA	Water	8260C	
MB 480-719182/8	Method Blank	Total/NA	Water	8260C	
LCS 480-719182/6	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-221769-1

Client Sample ID: GW - PES - 3 - 071724

Lab Sample ID: 480-221769-1

Date Collected: 07/17/24 10:30
Matrix: Water
Date Received: 07/18/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		4	719182	AXK	EET BUF	07/22/24 16:35

Client Sample ID: GW - MW - 2 - 071724

Lab Sample ID: 480-221769-2

Date Collected: 07/17/24 11:30
Matrix: Water
Date Received: 07/18/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		2	719182	AXK	EET BUF	07/22/24 16:57

Client Sample ID: TB - 01 - 071724

Lab Sample ID: 480-221769-3

Date Collected: 07/17/24 00:00
Matrix: Water
Date Received: 07/18/24 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	719182	AXK	EET BUF	07/22/24 17:19

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221769-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

Method Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221769-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

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

Sample Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221769-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-221769-1	GW - PES - 3 - 071724	Water	07/17/24 10:30	07/18/24 09:45
480-221769-2	GW - MW - 2 - 071724	Water	07/17/24 11:30	07/18/24 09:45
480-221769-3	TB - 01 - 071724	Water	07/17/24 00:00	07/18/24 09:45

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

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Client Information	Sampler: AV VCL EGD EmilyD	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-198010-40979.1
Client Contact: Ms. Rebecca McDonald	Phone: 603-686-0638	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 1 EGD
Company: Ramboll Americas Engineering Solutions	PWSID:			Job #:
Address: 94 New Karner Road Suite 106	Due Date Requested:			
City: Albany	TAT Requested (days): standard TAT			
State, Zip: NY, 12203	Compliance Project: Δ Yes Δ No			
Phone: 603-686-0638	PO #: 1940009211			
Email: Rebecca.McDonald@ramboll.com	WO #:			
Project Name: NYSDEC - Silvestri Dry Cleaners Site	Project #: 48027521			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
N - None
D - HNO3
B - NaOH
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs + TICs	1633_Final - PFAS - NY Standard 40 Analyte List	8082A - TCL PCBs	8081B - TCL Organochlorine Pesticides	8270D - TCL SVOCs + TICs	8270D_SIM_MS_ID - 1,4 Dioxane	6010C, 7470A	9012B - Cyanide, Total	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	N	N	N	N	D	B		
GW-PES-3-07172024	7/17/24	1030	G	Water			X								3	
GW-MW-2-07172024	7/17/24	1130	G	Water			X								3	
~~TRIP BLANK~~ TB-01-07172024	7/17/24	—	—	Water			X								2	
EGD 7/17/24 VJM 7/19/24				Water												
				Water												
				Water												
				Water												
EGD 7/19/24				Water												
				Water												
				Water												
				Water												
				Water												

480-221769 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NYS DEC EDDs

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Emily Downs	7/17/24 1230	Ramboll		7-17-24 1230	FETL
Relinquished by:	Date/Time: 7/17/24 1500	Company EETN	Received by:	Date/Time: 7/18/24 945	Company TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.0# ICE

Ver: 04/02/2024

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-221769-1

Login Number: 221769
List Number: 1
Creator: Stapleton, Kaitlyn

List Source: Eurofins Buffalo

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	3.0 #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.	True	
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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Rebecca McDonald
Ramboll Americas Engineering Solutions
94 New Karner Road
Suite 106
Albany, New York 12203

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JOB DESCRIPTION

NYSDEC - Silvestri Dry Cleaners Site

JOB NUMBER

480-221807-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

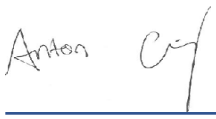
Eurofins Buffalo

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
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Anton.Gruning@et.eurofinsus.com
Designee for
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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
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.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
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.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

Job Narrative
480-221807-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be 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.

Receipt
The samples were received on 7/19/2024 10:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 1.8°C, 1.8°C, 3.3°C and 4.4°C.

GC/MS VOA
Method 8260C: 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 samples were analyzed within the 7-day holding time specified for unpreserved samples: GW-MW-1-071824 (480-221807-2) and FD-071824 (480-221807-4).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-719153 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits. The associated samples are impacted: GW-MW-3-071824-MS (480-221807-1[MS]) and GW-MW-3-071824-MSD (480-221807-1[MSD]).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-719409 recovered above the upper control limit for multiple analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GW-MW-3-071824 (480-221807-1), GW-MW-1-071824 (480-221807-2), GW-PES-2-071824 (480-221807-3), FD-071824 (480-221807-4) and EB-071824 (480-221807-5).

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 480-719409 was outside the method criteria for the following analyte(s): 2,4,6-Tribromophenol. 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.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PCBs
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
Method 8081B: The method blank for preparation batch 480-719061 and analytical batch 480-719110 contained gamma-BHC (Lindane) and Methoxychlor above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

PFAS
Method 1633_Final: In preparation batch 280-661649, the following samples needed to be dacanted due to particulate at the bottom of the sample: GW-MW-1-071824 (480-221807-2) and GW-PES-2-071824 (480-221807-3). Because the samples were decanted, the original sample container could not be rinsed Method 1633_SPE/1633_Final.

Method 1633_Final: In preparation batch 280-661649, the following sample produced a yellow cloudy eluate: GW-MW-1-071824

Job ID: 480-221807-1 (Continued) Eurofins Buffalo

(480-221807-2). Method 1633_SPE_LVI/ 1633_Final.

Method 1633_Final: The "I" qualifier means the transition mass ratio for the indicated analytes were outside of the established ratio limits. The qualitative identification of the analytes have some degree of uncertainty. However, analyst judgment was used to positively identify the analyte. The affected samples are GW-MW-3-071824-MS (480-221807-1[MS]), GW-MW-1-071824 (480-221807-2), (CCVL 280-662002/3) and (LCS 280-661649/3-A) in analytical batch (280-662002).

Method 1633_Final: Analyte Perfluorooctanesulfonamide (PFOSA) was reported as non-detect for sample GW-PES-2-071824 (480-221807-3) due to a detection below LOQ and failing ion ratio.

Method 1633_Final: Analytes Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonamide (PFOSA) were reported as non-detect for sample FD-071824 (480-221807-4) due to a detection below LOQ and failing ion ratio.

Method 1633_Final: The continuing calibration verification (CCV) associated with batch 280-662002 recovered above the upper control limit for 9Cl-PF3ONS. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: GW-MW-3-071824 (480-221807-1), GW-MW-3-071824-MS (480-221807-1[MS]), GW-MW-3-071824-MSD (480-221807-1[MSD]), GW-MW-1-071824 (480-221807-2), GW-PES-2-071824 (480-221807-3), FD-071824 (480-221807-4), EB-071824 (480-221807-5), REAGENT-071824 (480-221807-6), (CCV 280-662002/31) and (CCV 280-662002/33).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 7470A: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-221807-2. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 3x dilution, which maintained the purple color during digestion.

Method 7470A: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-221807-4. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 3x dilution, which maintained the purple color during digestion.

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: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: GW-MW-3-071824 — Lab Sample ID: 480-221807-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.91	J F1	1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	25	F1	1.0	0.36	ug/L	1		8260C	Total/NA
alpha-BHC	0.0086	J	0.050	0.0077	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.011	J B	0.050	0.0080	ug/L	1		8081B	Total/NA
Methoxychlor	0.040	J B	0.050	0.014	ug/L	1		8081B	Total/NA
Perfluorobutanoic acid (PFBA)	4.9		3.0	0.19	ng/L	1		1633	Total/NA
Perfluoropentanoic acid (PFPeA)	5.9		1.5	0.099	ng/L	1		1633	Total/NA
Perfluorohexanoic acid (PFHxA)	4.5		1.5	0.40	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.1		1.5	0.15	ng/L	1		1633	Total/NA
Perfluorooctanoic acid (PFOA)	4.7		1.5	0.44	ng/L	1		1633	Total/NA
Perfluorononanoic acid (PFNA)	0.97	J	1.5	0.30	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.8		1.5	0.53	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.60	J	1.5	0.53	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	13		1.5	0.14	ng/L	1		1633	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.38	J	1.5	0.30	ng/L	1		1633	Total/NA
Aluminum	0.90		0.20	0.060	mg/L	1		6010C	Total/NA
Arsenic	0.0060	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.028		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	98.4		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0023	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.0012	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.0016	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	1.3		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	23.1		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.045		0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	1.5		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	175		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.0019	J	0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0031	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Cyanide, Total	0.0049	J F1	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: GW-MW-1-071824 — Lab Sample ID: 480-221807-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.79	J	1.0	0.36	ug/L	1		8260C	Total/NA
4,4'-DDT	0.032	J	0.050	0.011	ug/L	1		8081B	Total/NA
alpha-BHC	0.0088	J	0.050	0.0077	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.011	J B	0.050	0.0080	ug/L	1		8081B	Total/NA
Perfluorobutanoic acid (PFBA)	3.7	J	3.9	0.24	ng/L	1		1633	Total/NA
Perfluoropentanoic acid (PFPeA)	7.8	I	1.9	0.13	ng/L	1		1633	Total/NA
Perfluorohexanoic acid (PFHxA)	4.6		1.9	0.51	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.2		1.9	0.19	ng/L	1		1633	Total/NA
Perfluorooctanoic acid (PFOA)	1.8	J	1.9	0.56	ng/L	1		1633	Total/NA
Perfluorononanoic acid (PFNA)	1.1	J	1.9	0.38	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.0		1.9	0.67	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.5		1.9	0.18	ng/L	1		1633	Total/NA
Aluminum	28.7		0.20	0.060	mg/L	1		6010C	Total/NA
Arsenic	0.021		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.18		0.0020	0.00070	mg/L	1		6010C	Total/NA
Beryllium	0.0016	J	0.0020	0.00030	mg/L	1		6010C	Total/NA
Cadmium	0.00091	J	0.0020	0.00050	mg/L	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: GW-MW-1-071824 (Continued) — Lab Sample ID: 480-221807-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	236		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.031		0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.027		0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.072		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	50.3		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.026		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	54.4		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	2.9		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.044		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	9.0		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	378		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.058		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.12		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: GW-PES-2-071824 — Lab Sample ID: 480-221807-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.5		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	22		1.0	0.36	ug/L	1		8260C	Total/NA
alpha-BHC	0.0083	J	0.050	0.0077	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.0092	J B	0.050	0.0080	ug/L	1		8081B	Total/NA
Methoxychlor	0.041	J B	0.050	0.014	ug/L	1		8081B	Total/NA
Perfluorobutanoic acid (PFBA)	12		3.6	0.22	ng/L	1		1633	Total/NA
Perfluoropentanoic acid (PFPeA)	8.5		1.8	0.12	ng/L	1		1633	Total/NA
Perfluorohexanoic acid (PFHxA)	11		1.8	0.47	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	10		1.8	0.18	ng/L	1		1633	Total/NA
Perfluorooctanoic acid (PFOA)	7.0		1.8	0.52	ng/L	1		1633	Total/NA
Perfluorononanoic acid (PFNA)	1.2	J	1.8	0.35	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid (PFBS)	8.1		1.8	0.63	ng/L	1		1633	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	4.3		1.8	0.63	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	20		1.8	0.17	ng/L	1		1633	Total/NA
Aluminum	5.1		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.035		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	66.2		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.0054		0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.0029	J	0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.0071	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	7.3		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	8.6		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.33		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0049	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	2.6		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	249		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.010		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.016		0.010	0.0015	mg/L	1		6010C	Total/NA

Client Sample ID: FD-071824 — Lab Sample ID: 480-221807-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.63	J	1.0	0.36	ug/L	1		8260C	Total/NA
4,4'-DDD	0.013	J	0.050	0.0092	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.011	J B	0.050	0.0080	ug/L	1		8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: FD-071824 (Continued) — Lab Sample ID: 480-221807-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.0		4.0	0.25	ng/L	1		1633	Total/NA
Perfluoropentanoic acid (PFPeA)	6.6		2.0	0.13	ng/L	1		1633	Total/NA
Perfluorohexanoic acid (PFHxA)	4.1		2.0	0.52	ng/L	1		1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.5	J	2.0	0.20	ng/L	1		1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.54	J	2.0	0.19	ng/L	1		1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.29	J	2.0	0.26	ng/L	1		1633	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.0		2.0	0.69	ng/L	1		1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.1		2.0	0.18	ng/L	1		1633	Total/NA
Aluminum	23.7		0.20	0.060	mg/L	1		6010C	Total/NA
Arsenic	0.022		0.015	0.0056	mg/L	1		6010C	Total/NA
Barium	0.16		0.0020	0.00070	mg/L	1		6010C	Total/NA
Beryllium	0.0013	J	0.0020	0.00030	mg/L	1		6010C	Total/NA
Cadmium	0.00081	J	0.0020	0.00050	mg/L	1		6010C	Total/NA
Calcium	211		0.50	0.10	mg/L	1		6010C	Total/NA
Chromium	0.026		0.0040	0.0010	mg/L	1		6010C	Total/NA
Cobalt	0.021		0.0040	0.00063	mg/L	1		6010C	Total/NA
Copper	0.058		0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	41.2		0.050	0.019	mg/L	1		6010C	Total/NA
Lead	0.017		0.010	0.0030	mg/L	1		6010C	Total/NA
Magnesium	48.7		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	2.4		0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.035		0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	7.8		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	371		1.0	0.32	mg/L	1		6010C	Total/NA
Vanadium	0.049		0.0050	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.095		0.010	0.0015	mg/L	1		6010C	Total/NA
Mercury	0.00013	J	0.00060	0.00013	mg/L	1		7470A	Total/NA
Cyanide, Total	0.0084	J	0.010	0.0041	mg/L	1		9012B	Total/NA

Client Sample ID: EB-071824 — Lab Sample ID: 480-221807-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-BHC	0.0083	J	0.050	0.0077	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane)	0.0089	J B	0.050	0.0080	ug/L	1		8081B	Total/NA
Methoxychlor	0.041	J B	0.050	0.014	ug/L	1		8081B	Total/NA
Sodium	0.39	J	1.0	0.32	mg/L	1		6010C	Total/NA

Client Sample ID: REAGENT-071824 — Lab Sample ID: 480-221807-6

No Detections.

Client Sample ID: TB-02-071824 — Lab Sample ID: 480-221807-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.66	J	1.0	0.51	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: GW-MW-3-071824
Lab Sample ID: 480-221807-1
Date Collected: 07/18/24 09:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U F1	1.0	0.82	ug/L			07/22/24 14:43	1
1,1,2,2-Tetrachloroethane	1.0	U F1	1.0	0.21	ug/L			07/22/24 14:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/22/24 14:43	1
1,1,2-Trichloroethane	1.0	U F1	1.0	0.23	ug/L			07/22/24 14:43	1
1,1-Dichloroethane	1.0	U F1	1.0	0.38	ug/L			07/22/24 14:43	1
1,1-Dichloroethene	1.0	U F1	1.0	0.29	ug/L			07/22/24 14:43	1
1,2,4-Trichlorobenzene	1.0	U F1	1.0	0.41	ug/L			07/22/24 14:43	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/22/24 14:43	1
1,2-Dibromoethane	1.0	U F1	1.0	0.73	ug/L			07/22/24 14:43	1
1,2-Dichlorobenzene	1.0	U F1	1.0	0.79	ug/L			07/22/24 14:43	1
1,2-Dichloroethane	1.0	U F1	1.0	0.21	ug/L			07/22/24 14:43	1
1,2-Dichloropropane	1.0	U F1	1.0	0.72	ug/L			07/22/24 14:43	1
1,3-Dichlorobenzene	1.0	U F1	1.0	0.78	ug/L			07/22/24 14:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/22/24 14:43	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/22/24 14:43	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/22/24 14:43	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/22/24 14:43	1
Acetone	10	U F2 F1	10	3.0	ug/L			07/22/24 14:43	1
Benzene	1.0	U F1	1.0	0.41	ug/L			07/22/24 14:43	1
Bromodichloromethane	1.0	U F1	1.0	0.39	ug/L			07/22/24 14:43	1
Bromoform	1.0	U F1	1.0	0.26	ug/L			07/22/24 14:43	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/22/24 14:43	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/22/24 14:43	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/22/24 14:43	1
Chlorobenzene	1.0	U F1	1.0	0.75	ug/L			07/22/24 14:43	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/22/24 14:43	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/22/24 14:43	1
Chloromethane	1.0	U F1	1.0	0.35	ug/L			07/22/24 14:43	1
cis-1,2-Dichloroethene	**0.91**	**J F1**	1.0	0.81	ug/L			07/22/24 14:43	1
cis-1,3-Dichloropropene	1.0	U F1	1.0	0.36	ug/L			07/22/24 14:43	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/22/24 14:43	1
Dibromochloromethane	1.0	U F1	1.0	0.32	ug/L			07/22/24 14:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/22/24 14:43	1
Ethylbenzene	1.0	U F1	1.0	0.74	ug/L			07/22/24 14:43	1
Isopropylbenzene	1.0	U F1	1.0	0.79	ug/L			07/22/24 14:43	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/22/24 14:43	1
Methyl tert-butyl ether	1.0	U F1	1.0	0.16	ug/L			07/22/24 14:43	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/22/24 14:43	1
Methylene Chloride	1.0	U F1	1.0	0.44	ug/L			07/22/24 14:43	1
Styrene	1.0	U F1	1.0	0.73	ug/L			07/22/24 14:43	1
Tetrachloroethene	**25**	**F1**	1.0	0.36	ug/L			07/22/24 14:43	1
Toluene	1.0	U F1	1.0	0.51	ug/L			07/22/24 14:43	1
trans-1,2-Dichloroethene	1.0	U F1	1.0	0.90	ug/L			07/22/24 14:43	1
trans-1,3-Dichloropropene	1.0	U F1	1.0	0.37	ug/L			07/22/24 14:43	1
Trichloroethene	1.0	U F1	1.0	0.46	ug/L			07/22/24 14:43	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/22/24 14:43	1
Vinyl chloride	1.0	U F1	1.0	0.90	ug/L			07/22/24 14:43	1
Xylenes, Total	2.0	U F1	2.0	0.66	ug/L			07/22/24 14:43	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: GW-MW-3-071824
Lab Sample ID: 480-221807-1

Date Collected: 07/18/24 09:00
Matrix: Water
Date Received: 07/19/24 10:45

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		07/22/24 14:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		07/22/24 14:43	1
4-Bromofluorobenzene (Surr)	106		73 - 120		07/22/24 14:43	1
Dibromofluoromethane (Surr)	98		75 - 123		07/22/24 14:43	1
Toluene-d8 (Surr)	99		80 - 120		07/22/24 14:43	1

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		07/23/24 07:26	07/24/24 16:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	32		15 - 110	07/23/24 07:26	07/24/24 16:24	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10	U	10	1.1	ug/L		07/22/24 13:14	07/25/24 04:54	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 04:54	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		07/22/24 13:14	07/25/24 04:54	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 04:54	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		07/22/24 13:14	07/25/24 04:54	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 04:54	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 04:54	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 04:54	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 04:54	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		07/22/24 13:14	07/25/24 04:54	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		07/22/24 13:14	07/25/24 04:54	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 04:54	1
2-Nitroaniline	10	U F2	10	0.42	ug/L		07/22/24 13:14	07/25/24 04:54	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 04:54	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 04:54	1
3-Nitroaniline	10	U	10	0.48	ug/L		07/22/24 13:14	07/25/24 04:54	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 04:54	1
4-Bromophenyl phenyl ether	5.0	U F2	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 04:54	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 04:54	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 04:54	1
4-Chlorophenyl phenyl ether	5.0	U F2	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 04:54	1
4-Methylphenol	10	U	10	0.36	ug/L		07/22/24 13:14	07/25/24 04:54	1
4-Nitroaniline	10	U	10	0.25	ug/L		07/22/24 13:14	07/25/24 04:54	1
4-Nitrophenol	10	U	10	1.5	ug/L		07/22/24 13:14	07/25/24 04:54	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		07/22/24 13:14	07/25/24 04:54	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		07/22/24 13:14	07/25/24 04:54	1
Acetophenone	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 04:54	1
Anthracene	5.0	U	5.0	0.28	ug/L		07/22/24 13:14	07/25/24 04:54	1
Atrazine	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 04:54	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		07/22/24 13:14	07/25/24 04:54	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 04:54	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 04:54	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 04:54	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 04:54	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: GW-MW-3-071824
Lab Sample ID: 480-221807-1
Date Collected: 07/18/24 09:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		07/22/24 13:14	07/25/24 04:54	1
Biphenyl	5.0	U	5.0	0.65	ug/L		07/22/24 13:14	07/25/24 04:54	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		07/22/24 13:14	07/25/24 04:54	1
Bis(2-chloroethoxy)methane	5.0	U F2	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 04:54	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 04:54	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 04:54	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		07/22/24 13:14	07/25/24 04:54	1
Caprolactam	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 04:54	1
Carbazole	5.0	U	5.0	0.30	ug/L		07/22/24 13:14	07/25/24 04:54	1
Chrysene	5.0	U	5.0	0.33	ug/L		07/22/24 13:14	07/25/24 04:54	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		07/22/24 13:14	07/25/24 04:54	1
Dibenzofuran	10	U F2	10	0.51	ug/L		07/22/24 13:14	07/25/24 04:54	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		07/22/24 13:14	07/25/24 04:54	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 04:54	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		07/22/24 13:14	07/25/24 04:54	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 04:54	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 04:54	1
Fluorene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 04:54	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 04:54	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		07/22/24 13:14	07/25/24 04:54	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 04:54	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 04:54	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 04:54	1
Isophorone	5.0	U	5.0	0.43	ug/L		07/22/24 13:14	07/25/24 04:54	1
Naphthalene	5.0	U	5.0	0.76	ug/L		07/22/24 13:14	07/25/24 04:54	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		07/22/24 13:14	07/25/24 04:54	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 04:54	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 04:54	1
Pentachlorophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 04:54	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		07/22/24 13:14	07/25/24 04:54	1
Phenol	5.0	U	5.0	0.39	ug/L		07/22/24 13:14	07/25/24 04:54	1
Pyrene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 04:54	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-	*4.4*	*T J N*	*ug/L*		*3.13*	*109-99-9*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*3.5*	*T J*	*ug/L*		*3.21*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Cyclotrisiloxane, hexamethyl-	*1.7*	*T J N*	*ug/L*		*4.59*	*541-05-9*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Tetrachloroethylene	*6.3*	*T J N*	*ug/L*		*4.64*	*127-18-4*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*25*	*T J*	*ug/L*		*4.87*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*5.30*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*5.63*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*6.10*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*12.55*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*12.94*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*1.8*	*T J*	*ug/L*		*12.98*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*2.9*	*T J*	*ug/L*		*13.44*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*
Unknown	*2.8*	*T J*	*ug/L*		*14.34*	*N/A*	*07/22/24 13:14*	*07/25/24 04:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*111*		*25 - 144*	*07/22/24 13:14*	*07/25/24 04:54*	*1*

Client Sample ID: GW-MW-3-071824
Lab Sample ID: 480-221807-1
Date Collected: 07/18/24 09:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	83		53 - 126	07/22/24 13:14	07/25/24 04:54	1
2-Fluorophenol	57		24 - 120	07/22/24 13:14	07/25/24 04:54	1
Nitrobenzene-d5	74		29 - 129	07/22/24 13:14	07/25/24 04:54	1
Phenol-d5	43		10 - 120	07/22/24 13:14	07/25/24 04:54	1
p-Terphenyl-d14	90		33 - 132	07/22/24 13:14	07/25/24 04:54	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.050	U	0.050	0.0092	ug/L		07/19/24 16:10	07/22/24 10:10	1
4,4'-DDE	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:10	1
4,4'-DDT	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:10	1
Aldrin	0.050	U	0.050	0.0081	ug/L		07/19/24 16:10	07/22/24 10:10	1
alpha-BHC	**0.0086**	**J**	0.050	0.0077	ug/L		07/19/24 16:10	07/22/24 10:10	1
beta-BHC	0.050	U	0.050	0.025	ug/L		07/19/24 16:10	07/22/24 10:10	1
cis-Chlordane	0.050	U	0.050	0.015	ug/L		07/19/24 16:10	07/22/24 10:10	1
delta-BHC	0.050	U	0.050	0.010	ug/L		07/19/24 16:10	07/22/24 10:10	1
Dieldrin	0.050	U	0.050	0.0098	ug/L		07/19/24 16:10	07/22/24 10:10	1
Endosulfan I	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:10	1
Endosulfan II	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:10	1
Endosulfan sulfate	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 10:10	1
Endrin	0.050	U	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 10:10	1
Endrin aldehyde	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 10:10	1
Endrin ketone	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:10	1
gamma-BHC (Lindane)	**0.011**	**J B**	0.050	0.0080	ug/L		07/19/24 16:10	07/22/24 10:10	1
Heptachlor	0.050	U	0.050	0.0085	ug/L		07/19/24 16:10	07/22/24 10:10	1
Heptachlor epoxide	0.050	U	0.050	0.0074	ug/L		07/19/24 16:10	07/22/24 10:10	1
Methoxychlor	**0.040**	**J B**	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 10:10	1
Toxaphene	0.50	U	0.50	0.12	ug/L		07/19/24 16:10	07/22/24 10:10	1
trans-Chlordane	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	54		10 - 120	07/19/24 16:10	07/22/24 10:10	1
DCB Decachlorobiphenyl	54		10 - 120	07/19/24 16:10	07/22/24 10:10	1
Tetrachloro-m-xylene	50		10 - 120	07/19/24 16:10	07/22/24 10:10	1
Tetrachloro-m-xylene	47		10 - 120	07/19/24 16:10	07/22/24 10:10	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:20	1
PCB-1221	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:20	1
PCB-1232	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:20	1
PCB-1242	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:20	1
PCB-1248	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:20	1
PCB-1254	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 08:20	1
PCB-1260	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 08:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	59		10 - 123	07/19/24 16:14	07/22/24 08:20	1
DCB Decachlorobiphenyl	58		10 - 123	07/19/24 16:14	07/22/24 08:20	1
Tetrachloro-m-xylene	71		10 - 145	07/19/24 16:14	07/22/24 08:20	1

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-221807-1

Client Sample ID: GW-MW-3-071824
Date Collected: 07/18/24 09:00
Date Received: 07/19/24 10:45

Lab Sample ID: 480-221807-1
Matrix: Water

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	61		10 - 145	07/19/24 16:14	07/22/24 08:20	1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**4.9**		3.0	0.19	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluoropentanoic acid (PFPeA)	**5.9**		1.5	0.099	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorohexanoic acid (PFHxA)	**4.5**		1.5	0.40	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluoroheptanoic acid (PFHpA)	**2.1**		1.5	0.15	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorooctanoic acid (PFOA)	**4.7**		1.5	0.44	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorononanoic acid (PFNA)	**0.97**	**J**	1.5	0.30	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorodecanoic acid (PFDA)	1.5	U	1.5	0.15	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluoroundecanoic acid (PFUnA)	1.5	U	1.5	0.20	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorododecanoic acid (PFDoA)	1.5	U	1.5	0.12	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorotridecanoic acid (PFTriA)	1.5	U	1.5	0.22	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorotetradecanoic acid (PFTeDA)	1.5	U	1.5	0.30	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorobutanesulfonic acid (PFBS)	**1.8**		1.5	0.53	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluoropentanesulfonic acid (PFPeS)	1.5	U	1.5	0.25	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorohexanesulfonic acid (PFHxS)	**0.60**	**J**	1.5	0.53	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluoroheptanesulfonic acid (PFHpS)	1.5	U	1.5	0.32	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorooctanesulfonic acid (PFOS)	**13**		1.5	0.14	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorononanesulfonic acid (PFNS)	1.5	U	1.5	0.20	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorodecanesulfonic acid (PFDS)	1.5	U	1.5	0.22	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorododecanesulfonic acid (PFDoS)	1.5	U	1.5	0.35	ng/L		07/25/24 11:51	07/29/24 19:46	1
4:2 FTS	3.0	U	3.0	0.42	ng/L		07/25/24 11:51	07/29/24 19:46	1
6:2 FTS	3.0	U	3.0	1.4	ng/L		07/25/24 11:51	07/29/24 19:46	1
8:2 FTS	3.0	U	3.0	1.2	ng/L		07/25/24 11:51	07/29/24 19:46	1
Perfluorooctanesulfonamide (PFOSA)	**0.38**	**J**	1.5	0.30	ng/L		07/25/24 11:51	07/29/24 19:46	1
NMeFOSA	1.5	U	1.5	0.48	ng/L		07/25/24 11:51	07/29/24 19:46	1
NEtFOSA	1.5	U	1.5	0.56	ng/L		07/25/24 11:51	07/29/24 19:46	1
NMeFOSAA	1.5	U	1.5	0.61	ng/L		07/25/24 11:51	07/29/24 19:46	1
NEtFOSAA	1.5	U	1.5	0.41	ng/L		07/25/24 11:51	07/29/24 19:46	1
NMeFOSE	7.6	U	7.6	1.3	ng/L		07/25/24 11:51	07/29/24 19:46	1
NEtFOSE	7.6	U	7.6	1.2	ng/L		07/25/24 11:51	07/29/24 19:46	1
HFPO-DA (GenX)	1.1	U	1.1	0.40	ng/L		07/25/24 11:51	07/29/24 19:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.5	U	1.5	0.19	ng/L		07/25/24 11:51	07/29/24 19:46	1
PFMBA	1.5	U	1.5	0.15	ng/L		07/25/24 11:51	07/29/24 19:46	1
NFDHA	1.5	U	1.5	0.40	ng/L		07/25/24 11:51	07/29/24 19:46	1
PFMPA	1.5	U	1.5	0.12	ng/L		07/25/24 11:51	07/29/24 19:46	1
9Cl-PF3ONS	1.5	U	1.5	0.22	ng/L		07/25/24 11:51	07/29/24 19:46	1
11Cl-PF3OUdS	1.5	U	1.5	0.21	ng/L		07/25/24 11:51	07/29/24 19:46	1
PFEESA	1.5	U	1.5	0.13	ng/L		07/25/24 11:51	07/29/24 19:46	1
3:3 FTCA	3.0	U	3.0	0.47	ng/L		07/25/24 11:51	07/29/24 19:46	1
5:3 FTCA	7.6	U	7.6	0.56	ng/L		07/25/24 11:51	07/29/24 19:46	1

Client Sample ID: GW-MW-3-071824 **Lab Sample ID: 480-221807-1**
Date Collected: 07/18/24 09:00 **Matrix: Water**
Date Received: 07/19/24 10:45

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
7:3 FTCA	7.6	U	7.6	1.1	ng/L		07/25/24 11:51	07/29/24 19:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78.0*		*5 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C5 PFPeA	*78.1*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C5 PFHxA	*77.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C4 PFHpA	*80.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C8 PFOA	*74.1*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C9 PFNA	*77.0*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C6 PFDA	*75.0*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C7 PFUnA	*72.0*		*30 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C2 PFDoA	*67.8*		*10 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C2 PFTeDA	*63.8*		*10 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C3 PFBS	*83.2*		*40 - 135*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C3 PFHxS	*80.6*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C8 PFOS	*69.3*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C8 FOSA	*70.7*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
d3-NMeFOSAA	*70.6*		*40 - 170*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
d5-NEtFOSAA	*71.0*		*25 - 135*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
M2-4:2 FTS	*82.3*		*40 - 200*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
M2-6:2 FTS	*82.7*		*40 - 200*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
M2-8:2 FTS	*82.7*		*40 - 300*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
13C3 HFPO-DA	*78.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
d7-N-MeFOSE-M	*60.4*		*10 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
d9-N-EtFOSE-M	*56.9*		*10 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
d5-NEtPFOSA	*55.7*		*10 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*
d3-NMePFOSA	*60.3*		*10 - 130*	*07/25/24 11:51*	*07/29/24 19:46*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.90**		0.20	0.060	mg/L		07/22/24 09:20	07/22/24 20:04	1
Antimony	0.020	U	0.020	0.0068	mg/L		07/22/24 09:20	07/22/24 20:04	1
Arsenic	**0.0060**	**J**	0.015	0.0056	mg/L		07/22/24 09:20	07/23/24 12:52	1
Barium	**0.028**		0.0020	0.00070	mg/L		07/22/24 09:20	07/22/24 20:04	1
Beryllium	0.0020	U	0.0020	0.00030	mg/L		07/22/24 09:20	07/22/24 20:04	1
Cadmium	0.0020	U	0.0020	0.00050	mg/L		07/22/24 09:20	07/22/24 20:04	1
Calcium	**98.4**		0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:04	1
Chromium	**0.0023**	**J**	0.0040	0.0010	mg/L		07/22/24 09:20	07/22/24 20:04	1
Cobalt	**0.0012**	**J**	0.0040	0.00063	mg/L		07/22/24 09:20	07/22/24 20:04	1
Copper	**0.0016**	**J**	0.010	0.0016	mg/L		07/22/24 09:20	07/22/24 20:04	1
Iron	**1.3**		0.050	0.019	mg/L		07/22/24 09:20	07/22/24 20:04	1
Lead	0.010	U	0.010	0.0030	mg/L		07/22/24 09:20	07/22/24 20:04	1
Magnesium	**23.1**		0.20	0.043	mg/L		07/22/24 09:20	07/22/24 20:04	1
Manganese	**0.045**		0.0030	0.00040	mg/L		07/22/24 09:20	07/22/24 20:04	1
Nickel	0.010	U	0.010	0.0013	mg/L		07/22/24 09:20	07/22/24 20:04	1
Potassium	**1.5**		0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:04	1
Selenium	0.025	U	0.025	0.0087	mg/L		07/22/24 09:20	07/22/24 20:04	1
Silver	0.0060	U	0.0060	0.0017	mg/L		07/22/24 09:20	07/22/24 20:04	1
Sodium	**175**		1.0	0.32	mg/L		07/22/24 09:20	07/22/24 20:04	1
Thallium	0.020	U	0.020	0.010	mg/L		07/22/24 09:20	07/22/24 20:04	1

Client Sample ID: GW-MW-3-071824
Lab Sample ID: 480-221807-1
Date Collected: 07/18/24 09:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	0.0019	J	0.0050	0.0015	mg/L		07/22/24 09:20	07/22/24 20:04	1
Zinc	0.0031	J	0.010	0.0015	mg/L		07/22/24 09:20	07/22/24 20:04	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000042	mg/L		07/22/24 10:35	07/22/24 18:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.0049	J F1	0.010	0.0041	mg/L			07/19/24 19:54	1

Client Sample ID: GW-MW-1-071824
Lab Sample ID: 480-221807-2
Date Collected: 07/18/24 10:45
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/22/24 15:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 15:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/22/24 15:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/22/24 15:06	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/22/24 15:06	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/22/24 15:06	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/24 15:06	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/22/24 15:06	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/22/24 15:06	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/22/24 15:06	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 15:06	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/22/24 15:06	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/22/24 15:06	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/22/24 15:06	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/22/24 15:06	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/22/24 15:06	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/22/24 15:06	1
Acetone	10	U	10	3.0	ug/L			07/22/24 15:06	1
Benzene	1.0	U	1.0	0.41	ug/L			07/22/24 15:06	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/22/24 15:06	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/22/24 15:06	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/22/24 15:06	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/22/24 15:06	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/22/24 15:06	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/22/24 15:06	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/22/24 15:06	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/22/24 15:06	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/22/24 15:06	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/22/24 15:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/24 15:06	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/22/24 15:06	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/22/24 15:06	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/22/24 15:06	1

Client Sample ID: GW-MW-1-071824
Lab Sample ID: 480-221807-2
Date Collected: 07/18/24 10:45
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/22/24 15:06	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/22/24 15:06	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/22/24 15:06	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/22/24 15:06	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/22/24 15:06	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/22/24 15:06	1
Styrene	1.0	U	1.0	0.73	ug/L			07/22/24 15:06	1
Tetrachloroethene	**0.79**	**J**	1.0	0.36	ug/L			07/22/24 15:06	1
Toluene	1.0	U	1.0	0.51	ug/L			07/22/24 15:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/22/24 15:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/22/24 15:06	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/22/24 15:06	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/22/24 15:06	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/22/24 15:06	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/22/24 15:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*12*	*T J*	*ug/L*		*14.78*	*N/A*		*07/22/24 15:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*07/22/24 15:06*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*07/22/24 15:06*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*07/22/24 15:06*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*07/22/24 15:06*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		07/23/24 07:26	07/24/24 16:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*27*		*15 - 110*	*07/23/24 07:26*	*07/24/24 16:45*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10	U	10	1.1	ug/L		07/22/24 13:14	07/25/24 05:20	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 05:20	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		07/22/24 13:14	07/25/24 05:20	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 05:20	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		07/22/24 13:14	07/25/24 05:20	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 05:20	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 05:20	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:20	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 05:20	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		07/22/24 13:14	07/25/24 05:20	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		07/22/24 13:14	07/25/24 05:20	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:20	1
2-Nitroaniline	10	U	10	0.42	ug/L		07/22/24 13:14	07/25/24 05:20	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 05:20	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:20	1
3-Nitroaniline	10	U	10	0.48	ug/L		07/22/24 13:14	07/25/24 05:20	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 05:20	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: GW-MW-1-071824
Lab Sample ID: 480-221807-2
Date Collected: 07/18/24 10:45
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 05:20	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 05:20	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 05:20	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 05:20	1
4-Methylphenol	10	U	10	0.36	ug/L		07/22/24 13:14	07/25/24 05:20	1
4-Nitroaniline	10	U	10	0.25	ug/L		07/22/24 13:14	07/25/24 05:20	1
4-Nitrophenol	10	U	10	1.5	ug/L		07/22/24 13:14	07/25/24 05:20	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		07/22/24 13:14	07/25/24 05:20	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		07/22/24 13:14	07/25/24 05:20	1
Acetophenone	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 05:20	1
Anthracene	5.0	U	5.0	0.28	ug/L		07/22/24 13:14	07/25/24 05:20	1
Atrazine	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 05:20	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		07/22/24 13:14	07/25/24 05:20	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 05:20	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 05:20	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 05:20	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 05:20	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		07/22/24 13:14	07/25/24 05:20	1
Biphenyl	5.0	U	5.0	0.65	ug/L		07/22/24 13:14	07/25/24 05:20	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		07/22/24 13:14	07/25/24 05:20	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 05:20	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:20	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 05:20	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		07/22/24 13:14	07/25/24 05:20	1
Caprolactam	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 05:20	1
Carbazole	5.0	U	5.0	0.30	ug/L		07/22/24 13:14	07/25/24 05:20	1
Chrysene	5.0	U	5.0	0.33	ug/L		07/22/24 13:14	07/25/24 05:20	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		07/22/24 13:14	07/25/24 05:20	1
Dibenzofuran	10	U	10	0.51	ug/L		07/22/24 13:14	07/25/24 05:20	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		07/22/24 13:14	07/25/24 05:20	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 05:20	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		07/22/24 13:14	07/25/24 05:20	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 05:20	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:20	1
Fluorene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 05:20	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 05:20	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		07/22/24 13:14	07/25/24 05:20	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 05:20	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 05:20	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 05:20	1
Isophorone	5.0	U	5.0	0.43	ug/L		07/22/24 13:14	07/25/24 05:20	1
Naphthalene	5.0	U	5.0	0.76	ug/L		07/22/24 13:14	07/25/24 05:20	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		07/22/24 13:14	07/25/24 05:20	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 05:20	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 05:20	1
Pentachlorophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 05:20	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		07/22/24 13:14	07/25/24 05:20	1
Phenol	5.0	U	5.0	0.39	ug/L		07/22/24 13:14	07/25/24 05:20	1
Pyrene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 05:20	1

Client Sample ID: GW-MW-1-071824
Lab Sample ID: 480-221807-2
Date Collected: 07/18/24 10:45
Matrix: Water
Date Received: 07/19/24 10:45

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Furan, tetrahydro-	4.5	T J N	ug/L		3.12	109-99-9	07/22/24 13:14	07/25/24 05:20	1
Unknown	3.9	T J	ug/L		3.20	N/A	07/22/24 13:14	07/25/24 05:20	1
Cyclotrisiloxane, hexamethyl-	1.6	T J N	ug/L		4.59	541-05-9	07/22/24 13:14	07/25/24 05:20	1
Unknown	28	T J	ug/L		4.87	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	2.2	T J	ug/L		5.30	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	1.8	T J	ug/L		5.64	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	2.1	T J	ug/L		6.10	N/A	07/22/24 13:14	07/25/24 05:20	1
Cyclopentasiloxane, decamethyl-	1.7	T J N	ug/L		7.41	541-02-6	07/22/24 13:14	07/25/24 05:20	1
Unknown	5.8	T J	ug/L		12.55	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	3.0	T J	ug/L		12.94	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	3.0	T J	ug/L		12.98	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	1.8	T J	ug/L		13.22	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	7.2	T J	ug/L		13.44	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	1.8	T J	ug/L		13.80	N/A	07/22/24 13:14	07/25/24 05:20	1
Unknown	8.8	T J	ug/L		14.35	N/A	07/22/24 13:14	07/25/24 05:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	120		25 - 144	07/22/24 13:14	07/25/24 05:20	1
2-Fluorobiphenyl	85		53 - 126	07/22/24 13:14	07/25/24 05:20	1
2-Fluorophenol	57		24 - 120	07/22/24 13:14	07/25/24 05:20	1
Nitrobenzene-d5	76		29 - 129	07/22/24 13:14	07/25/24 05:20	1
Phenol-d5	45		10 - 120	07/22/24 13:14	07/25/24 05:20	1
p-Terphenyl-d14	95		33 - 132	07/22/24 13:14	07/25/24 05:20	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.050	U	0.050	0.0092	ug/L		07/19/24 16:10	07/22/24 10:30	1
4,4'-DDE	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:30	1
4,4'-DDT	**0.032**	**J**	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:30	1
Aldrin	0.050	U	0.050	0.0081	ug/L		07/19/24 16:10	07/22/24 10:30	1
alpha-BHC	**0.0088**	**J**	0.050	0.0077	ug/L		07/19/24 16:10	07/22/24 10:30	1
beta-BHC	0.050	U	0.050	0.025	ug/L		07/19/24 16:10	07/22/24 10:30	1
cis-Chlordane	0.050	U	0.050	0.015	ug/L		07/19/24 16:10	07/22/24 10:30	1
delta-BHC	0.050	U	0.050	0.010	ug/L		07/19/24 16:10	07/22/24 10:30	1
Dieldrin	0.050	U	0.050	0.0098	ug/L		07/19/24 16:10	07/22/24 10:30	1
Endosulfan I	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:30	1
Endosulfan II	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:30	1
Endosulfan sulfate	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 10:30	1
Endrin	0.050	U	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 10:30	1
Endrin aldehyde	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 10:30	1
Endrin ketone	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:30	1
gamma-BHC (Lindane)	**0.011**	**J B**	0.050	0.0080	ug/L		07/19/24 16:10	07/22/24 10:30	1
Heptachlor	0.050	U	0.050	0.0085	ug/L		07/19/24 16:10	07/22/24 10:30	1
Heptachlor epoxide	0.050	U	0.050	0.0074	ug/L		07/19/24 16:10	07/22/24 10:30	1
Methoxychlor	0.050	U	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 10:30	1
Toxaphene	0.50	U	0.50	0.12	ug/L		07/19/24 16:10	07/22/24 10:30	1
trans-Chlordane	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	43		10 - 120	07/19/24 16:10	07/22/24 10:30	1
DCB Decachlorobiphenyl	42		10 - 120	07/19/24 16:10	07/22/24 10:30	1

Client Sample ID: GW-MW-1-071824
Lab Sample ID: 480-221807-2

Date Collected: 07/18/24 10:45
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*41*		*10 - 120*	*07/19/24 16:10*	*07/22/24 10:30*	*1*
Tetrachloro-m-xylene	*35*		*10 - 120*	*07/19/24 16:10*	*07/22/24 10:30*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:37	1
PCB-1221	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:37	1
PCB-1232	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:37	1
PCB-1242	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:37	1
PCB-1248	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:37	1
PCB-1254	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 08:37	1
PCB-1260	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 08:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*44*		*10 - 123*	*07/19/24 16:14*	*07/22/24 08:37*	*1*
DCB Decachlorobiphenyl	*42*		*10 - 123*	*07/19/24 16:14*	*07/22/24 08:37*	*1*
Tetrachloro-m-xylene	*78*		*10 - 145*	*07/19/24 16:14*	*07/22/24 08:37*	*1*
Tetrachloro-m-xylene	*66*		*10 - 145*	*07/19/24 16:14*	*07/22/24 08:37*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**3.7**	**J**	3.9	0.24	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluoropentanoic acid (PFPeA)	**7.8**	**I**	1.9	0.13	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorohexanoic acid (PFHxA)	**4.6**		1.9	0.51	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluoroheptanoic acid (PFHpA)	**2.2**		1.9	0.19	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorooctanoic acid (PFOA)	**1.8**	**J**	1.9	0.56	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorononanoic acid (PFNA)	**1.1**	**J**	1.9	0.38	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorodecanoic acid (PFDA)	1.9	U	1.9	0.19	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluoroundecanoic acid (PFUnA)	1.9	U	1.9	0.25	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorododecanoic acid (PFDoA)	1.9	U	1.9	0.16	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorotridecanoic acid (PFTriA)	1.9	U	1.9	0.28	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorotetradecanoic acid (PFTeDA)	1.9	U	1.9	0.38	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorobutanesulfonic acid (PFBS)	**3.0**		1.9	0.67	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluoropentanesulfonic acid (PFPeS)	1.9	U	1.9	0.32	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorohexanesulfonic acid (PFHxS)	1.9	U	1.9	0.68	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluoroheptanesulfonic acid (PFHpS)	1.9	U	1.9	0.41	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorooctanesulfonic acid (PFOS)	**3.5**		1.9	0.18	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorononanesulfonic acid (PFNS)	1.9	U	1.9	0.25	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorodecanesulfonic acid (PFDS)	1.9	U	1.9	0.27	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorododecanesulfonic acid (PFDoS)	1.9	U	1.9	0.44	ng/L		07/25/24 11:51	07/29/24 20:44	1
4:2 FTS	3.9	U	3.9	0.53	ng/L		07/25/24 11:51	07/29/24 20:44	1
6:2 FTS	3.9	U	3.9	1.8	ng/L		07/25/24 11:51	07/29/24 20:44	1
8:2 FTS	3.9	U	3.9	1.6	ng/L		07/25/24 11:51	07/29/24 20:44	1
Perfluorooctanesulfonamide (PFOSA)	1.9	U	1.9	0.38	ng/L		07/25/24 11:51	07/29/24 20:44	1
NMeFOSA	1.9	U	1.9	0.62	ng/L		07/25/24 11:51	07/29/24 20:44	1
NEtFOSA	1.9	U	1.9	0.71	ng/L		07/25/24 11:51	07/29/24 20:44	1

Client Sample ID: GW-MW-1-071824
Lab Sample ID: 480-221807-2
Date Collected: 07/18/24 10:45
Matrix: Water
Date Received: 07/19/24 10:45

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
NMeFOSAA	1.9	U	1.9	0.77	ng/L		07/25/24 11:51	07/29/24 20:44	1
NEtFOSAA	1.9	U	1.9	0.52	ng/L		07/25/24 11:51	07/29/24 20:44	1
NMeFOSE	9.7	U	9.7	1.6	ng/L		07/25/24 11:51	07/29/24 20:44	1
NEtFOSE	9.7	U	9.7	1.5	ng/L		07/25/24 11:51	07/29/24 20:44	1
HFPO-DA (GenX)	1.4	U	1.4	0.51	ng/L		07/25/24 11:51	07/29/24 20:44	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.9	U	1.9	0.24	ng/L		07/25/24 11:51	07/29/24 20:44	1
PFMBA	1.9	U	1.9	0.20	ng/L		07/25/24 11:51	07/29/24 20:44	1
NFDHA	1.9	U	1.9	0.51	ng/L		07/25/24 11:51	07/29/24 20:44	1
PFMPA	1.9	U	1.9	0.15	ng/L		07/25/24 11:51	07/29/24 20:44	1
9Cl-PF3ONS	1.9	U	1.9	0.28	ng/L		07/25/24 11:51	07/29/24 20:44	1
11Cl-PF3OUdS	1.9	U	1.9	0.27	ng/L		07/25/24 11:51	07/29/24 20:44	1
PFEESA	1.9	U	1.9	0.17	ng/L		07/25/24 11:51	07/29/24 20:44	1
3:3 FTCA	3.9	U	3.9	0.60	ng/L		07/25/24 11:51	07/29/24 20:44	1
5:3 FTCA	9.7	U	9.7	0.71	ng/L		07/25/24 11:51	07/29/24 20:44	1
7:3 FTCA	9.7	U	9.7	1.4	ng/L		07/25/24 11:51	07/29/24 20:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*70.7*		*5 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C5 PFPeA	*62.5*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C5 PFHxA	*67.6*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C4 PFHpA	*72.7*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C8 PFOA	*73.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C9 PFNA	*69.6*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C6 PFDA	*73.2*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C7 PFUnA	*73.6*		*30 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C2 PFDoA	*66.6*		*10 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C2 PFTeDA	*63.4*		*10 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C3 PFBS	*70.3*		*40 - 135*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C3 PFHxS	*69.1*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C8 PFOS	*69.5*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C8 FOSA	*69.0*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
d3-NMeFOSAA	*75.6*		*40 - 170*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
d5-NEtFOSAA	*71.9*		*25 - 135*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
M2-4:2 FTS	*106*		*40 - 200*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
M2-6:2 FTS	*95.0*		*40 - 200*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
M2-8:2 FTS	*78.4*		*40 - 300*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
13C3 HFPO-DA	*65.5*		*40 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
d7-N-MeFOSE-M	*56.2*		*10 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
d9-N-EtFOSE-M	*59.0*		*10 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
d5-NEtPFOSA	*53.1*		*10 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*
d3-NMePFOSA	*53.2*		*10 - 130*	*07/25/24 11:51*	*07/29/24 20:44*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**28.7**		0.20	0.060	mg/L		07/22/24 09:20	07/22/24 20:14	1
Antimony	0.020	U	0.020	0.0068	mg/L		07/22/24 09:20	07/22/24 20:14	1
Arsenic	**0.021**		0.015	0.0056	mg/L		07/22/24 09:20	07/23/24 13:01	1
Barium	**0.18**		0.0020	0.00070	mg/L		07/22/24 09:20	07/22/24 20:14	1
Beryllium	**0.0016**	**J**	0.0020	0.00030	mg/L		07/22/24 09:20	07/22/24 20:14	1
Cadmium	**0.00091**	**J**	0.0020	0.00050	mg/L		07/22/24 09:20	07/22/24 20:14	1

Client Sample ID: GW-MW-1-071824
Lab Sample ID: 480-221807-2
Date Collected: 07/18/24 10:45
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**236**		0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:14	1
Chromium	**0.031**		0.0040	0.0010	mg/L		07/22/24 09:20	07/22/24 20:14	1
Cobalt	**0.027**		0.0040	0.00063	mg/L		07/22/24 09:20	07/22/24 20:14	1
Copper	**0.072**		0.010	0.0016	mg/L		07/22/24 09:20	07/22/24 20:14	1
Iron	**50.3**		0.050	0.019	mg/L		07/22/24 09:20	07/22/24 20:14	1
Lead	**0.026**		0.010	0.0030	mg/L		07/22/24 09:20	07/22/24 20:14	1
Magnesium	**54.4**		0.20	0.043	mg/L		07/22/24 09:20	07/22/24 20:14	1
Manganese	**2.9**		0.0030	0.00040	mg/L		07/22/24 09:20	07/22/24 20:14	1
Nickel	**0.044**		0.010	0.0013	mg/L		07/22/24 09:20	07/22/24 20:14	1
Potassium	**9.0**		0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:14	1
Selenium	0.025	U	0.025	0.0087	mg/L		07/22/24 09:20	07/22/24 20:14	1
Silver	0.0060	U	0.0060	0.0017	mg/L		07/22/24 09:20	07/22/24 20:14	1
Sodium	**378**		1.0	0.32	mg/L		07/22/24 09:20	07/22/24 20:14	1
Thallium	0.020	U	0.020	0.010	mg/L		07/22/24 09:20	07/22/24 20:14	1
Vanadium	**0.058**		0.0050	0.0015	mg/L		07/22/24 09:20	07/22/24 20:14	1
Zinc	**0.12**		0.010	0.0015	mg/L		07/22/24 09:20	07/22/24 20:14	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00060	U	0.00060	0.00013	mg/L		07/22/24 10:35	07/22/24 17:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0041	mg/L			07/19/24 20:11	1

Client Sample ID: GW-PES-2-071824
Lab Sample ID: 480-221807-3
Date Collected: 07/18/24 12:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/22/24 15:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 15:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/22/24 15:28	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/22/24 15:28	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/22/24 15:28	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/22/24 15:28	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/24 15:28	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/22/24 15:28	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/22/24 15:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/22/24 15:28	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 15:28	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/22/24 15:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/22/24 15:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/22/24 15:28	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/22/24 15:28	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/22/24 15:28	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/22/24 15:28	1
Acetone	10	U	10	3.0	ug/L			07/22/24 15:28	1
Benzene	1.0	U	1.0	0.41	ug/L			07/22/24 15:28	1

Client Sample ID: GW-PES-2-071824
Lab Sample ID: 480-221807-3

Date Collected: 07/18/24 12:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/22/24 15:28	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/22/24 15:28	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/22/24 15:28	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/22/24 15:28	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/22/24 15:28	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/22/24 15:28	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/22/24 15:28	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/22/24 15:28	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/22/24 15:28	1
cis-1,2-Dichloroethene	**1.5**		1.0	0.81	ug/L			07/22/24 15:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/24 15:28	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/22/24 15:28	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/22/24 15:28	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/22/24 15:28	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/22/24 15:28	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/22/24 15:28	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/22/24 15:28	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/22/24 15:28	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/22/24 15:28	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/22/24 15:28	1
Styrene	1.0	U	1.0	0.73	ug/L			07/22/24 15:28	1
Tetrachloroethene	**22**		1.0	0.36	ug/L			07/22/24 15:28	1
Toluene	1.0	U	1.0	0.51	ug/L			07/22/24 15:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/22/24 15:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/22/24 15:28	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/22/24 15:28	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/22/24 15:28	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/22/24 15:28	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/22/24 15:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*07/22/24 15:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*07/22/24 15:28*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*07/22/24 15:28*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*07/22/24 15:28*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/22/24 15:28*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		07/23/24 07:26	07/24/24 17:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*28*		*15 - 110*	*07/23/24 07:26*	*07/24/24 17:07*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10	U	10	1.1	ug/L		07/22/24 13:14	07/25/24 05:47	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 05:47	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		07/22/24 13:14	07/25/24 05:47	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: GW-PES-2-071824
Lab Sample ID: 480-221807-3
Date Collected: 07/18/24 12:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 05:47	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		07/22/24 13:14	07/25/24 05:47	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 05:47	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 05:47	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:47	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 05:47	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		07/22/24 13:14	07/25/24 05:47	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		07/22/24 13:14	07/25/24 05:47	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:47	1
2-Nitroaniline	10	U	10	0.42	ug/L		07/22/24 13:14	07/25/24 05:47	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 05:47	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:47	1
3-Nitroaniline	10	U	10	0.48	ug/L		07/22/24 13:14	07/25/24 05:47	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 05:47	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 05:47	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 05:47	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 05:47	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 05:47	1
4-Methylphenol	10	U	10	0.36	ug/L		07/22/24 13:14	07/25/24 05:47	1
4-Nitroaniline	10	U	10	0.25	ug/L		07/22/24 13:14	07/25/24 05:47	1
4-Nitrophenol	10	U	10	1.5	ug/L		07/22/24 13:14	07/25/24 05:47	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		07/22/24 13:14	07/25/24 05:47	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		07/22/24 13:14	07/25/24 05:47	1
Acetophenone	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 05:47	1
Anthracene	5.0	U	5.0	0.28	ug/L		07/22/24 13:14	07/25/24 05:47	1
Atrazine	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 05:47	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		07/22/24 13:14	07/25/24 05:47	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 05:47	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 05:47	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 05:47	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 05:47	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		07/22/24 13:14	07/25/24 05:47	1
Biphenyl	5.0	U	5.0	0.65	ug/L		07/22/24 13:14	07/25/24 05:47	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		07/22/24 13:14	07/25/24 05:47	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 05:47	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:47	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 05:47	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		07/22/24 13:14	07/25/24 05:47	1
Caprolactam	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 05:47	1
Carbazole	5.0	U	5.0	0.30	ug/L		07/22/24 13:14	07/25/24 05:47	1
Chrysene	5.0	U	5.0	0.33	ug/L		07/22/24 13:14	07/25/24 05:47	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		07/22/24 13:14	07/25/24 05:47	1
Dibenzofuran	10	U	10	0.51	ug/L		07/22/24 13:14	07/25/24 05:47	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		07/22/24 13:14	07/25/24 05:47	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 05:47	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		07/22/24 13:14	07/25/24 05:47	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 05:47	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 05:47	1
Fluorene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 05:47	1

Client Sample ID: GW-PES-2-071824
Lab Sample ID: 480-221807-3
Date Collected: 07/18/24 12:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 05:47	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		07/22/24 13:14	07/25/24 05:47	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 05:47	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 05:47	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 05:47	1
Isophorone	5.0	U	5.0	0.43	ug/L		07/22/24 13:14	07/25/24 05:47	1
Naphthalene	5.0	U	5.0	0.76	ug/L		07/22/24 13:14	07/25/24 05:47	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		07/22/24 13:14	07/25/24 05:47	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 05:47	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 05:47	1
Pentachlorophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 05:47	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		07/22/24 13:14	07/25/24 05:47	1
Phenol	5.0	U	5.0	0.39	ug/L		07/22/24 13:14	07/25/24 05:47	1
Pyrene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 05:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-	*5.0*	*T J N*	*ug/L*		*3.13*	*109-99-9*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Unknown	*4.6*	*T J*	*ug/L*		*3.21*	*N/A*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*3.34*	*N/A*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Cyclotrisiloxane, hexamethyl-	*1.9*	*T J N*	*ug/L*		*4.59*	*541-05-9*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Tetrachloroethylene	*7.2*	*T J N*	*ug/L*		*4.64*	*127-18-4*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Unknown	*31*	*T J*	*ug/L*		*4.87*	*N/A*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Unknown	*2.6*	*T J*	*ug/L*		*5.30*	*N/A*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Unknown	*2.4*	*T J*	*ug/L*		*5.64*	*N/A*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Cyclotetrasiloxane, octamethyl-	*2.7*	*T J N*	*ug/L*		*6.10*	*556-67-2*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Cyclopentasiloxane, decamethyl-	*2.5*	*T J N*	*ug/L*		*7.42*	*541-02-6*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*13.80*	*N/A*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*14.23*	*N/A*	*07/22/24 13:14*	*07/25/24 05:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*119*		*25 - 144*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
2-Fluorobiphenyl	*96*		*53 - 126*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
2-Fluorophenol	*73*		*24 - 120*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Nitrobenzene-d5	*90*		*29 - 129*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
Phenol-d5	*54*		*10 - 120*	*07/22/24 13:14*	*07/25/24 05:47*	*1*
p-Terphenyl-d14	*95*		*33 - 132*	*07/22/24 13:14*	*07/25/24 05:47*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.050	U	0.050	0.0092	ug/L		07/19/24 16:10	07/22/24 10:49	1
4,4'-DDE	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:49	1
4,4'-DDT	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:49	1
Aldrin	0.050	U	0.050	0.0081	ug/L		07/19/24 16:10	07/22/24 10:49	1
alpha-BHC	**0.0083**	**J**	0.050	0.0077	ug/L		07/19/24 16:10	07/22/24 10:49	1
beta-BHC	0.050	U	0.050	0.025	ug/L		07/19/24 16:10	07/22/24 10:49	1
cis-Chlordane	0.050	U	0.050	0.015	ug/L		07/19/24 16:10	07/22/24 10:49	1
delta-BHC	0.050	U	0.050	0.010	ug/L		07/19/24 16:10	07/22/24 10:49	1
Dieldrin	0.050	U	0.050	0.0098	ug/L		07/19/24 16:10	07/22/24 10:49	1
Endosulfan I	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:49	1
Endosulfan II	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:49	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: GW-PES-2-071824
Lab Sample ID: 480-221807-3
Date Collected: 07/18/24 12:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 10:49	1
Endrin	0.050	U	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 10:49	1
Endrin aldehyde	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 10:49	1
Endrin ketone	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 10:49	1
gamma-BHC (Lindane)	**0.0092**	**J B**	0.050	0.0080	ug/L		07/19/24 16:10	07/22/24 10:49	1
Heptachlor	0.050	U	0.050	0.0085	ug/L		07/19/24 16:10	07/22/24 10:49	1
Heptachlor epoxide	0.050	U	0.050	0.0074	ug/L		07/19/24 16:10	07/22/24 10:49	1
Methoxychlor	**0.041**	**J B**	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 10:49	1
Toxaphene	0.50	U	0.50	0.12	ug/L		07/19/24 16:10	07/22/24 10:49	1
trans-Chlordane	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 10:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*47*		*10 - 120*	*07/19/24 16:10*	*07/22/24 10:49*	*1*
DCB Decachlorobiphenyl	*46*		*10 - 120*	*07/19/24 16:10*	*07/22/24 10:49*	*1*
Tetrachloro-m-xylene	*48*		*10 - 120*	*07/19/24 16:10*	*07/22/24 10:49*	*1*
Tetrachloro-m-xylene	*42*		*10 - 120*	*07/19/24 16:10*	*07/22/24 10:49*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:54	1
PCB-1221	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:54	1
PCB-1232	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:54	1
PCB-1242	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:54	1
PCB-1248	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 08:54	1
PCB-1254	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 08:54	1
PCB-1260	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 08:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*10 - 123*	*07/19/24 16:14*	*07/22/24 08:54*	*1*
DCB Decachlorobiphenyl	*57*		*10 - 123*	*07/19/24 16:14*	*07/22/24 08:54*	*1*
Tetrachloro-m-xylene	*69*		*10 - 145*	*07/19/24 16:14*	*07/22/24 08:54*	*1*
Tetrachloro-m-xylene	*59*		*10 - 145*	*07/19/24 16:14*	*07/22/24 08:54*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**12**		3.6	0.22	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluoropentanoic acid (PFPeA)	**8.5**		1.8	0.12	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorohexanoic acid (PFHxA)	**11**		1.8	0.47	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluoroheptanoic acid (PFHpA)	**10**		1.8	0.18	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorooctanoic acid (PFOA)	**7.0**		1.8	0.52	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorononanoic acid (PFNA)	**1.2**	**J**	1.8	0.35	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorodecanoic acid (PFDA)	1.8	U	1.8	0.18	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluoroundecanoic acid (PFUnA)	1.8	U	1.8	0.24	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorododecanoic acid (PFDoA)	1.8	U	1.8	0.15	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorotridecanoic acid (PFTriA)	1.8	U	1.8	0.26	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorotetradecanoic acid (PFTeDA)	1.8	U	1.8	0.35	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorobutanesulfonic acid (PFBS)	**8.1**		1.8	0.63	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluoropentanesulfonic acid (PFPeS)	1.8	U	1.8	0.30	ng/L		07/25/24 11:51	07/29/24 21:04	1

Client Sample ID: GW-PES-2-071824
Lab Sample ID: 480-221807-3
Date Collected: 07/18/24 12:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	**4.3**		1.8	0.63	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluoroheptanesulfonic acid (PFHpS)	1.8	U	1.8	0.38	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorooctanesulfonic acid (PFOS)	**20**		1.8	0.17	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorononanesulfonic acid (PFNS)	1.8	U	1.8	0.24	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorodecanesulfonic acid (PFDS)	1.8	U	1.8	0.25	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorododecanesulfonic acid (PFDoS)	1.8	U	1.8	0.41	ng/L		07/25/24 11:51	07/29/24 21:04	1
4:2 FTS	3.6	U	3.6	0.49	ng/L		07/25/24 11:51	07/29/24 21:04	1
6:2 FTS	3.6	U	3.6	1.7	ng/L		07/25/24 11:51	07/29/24 21:04	1
8:2 FTS	3.6	U	3.6	1.5	ng/L		07/25/24 11:51	07/29/24 21:04	1
Perfluorooctanesulfonamide (PFOSA)	1.8	U	1.8	0.36	ng/L		07/25/24 11:51	07/29/24 21:04	1
NMeFOSA	1.8	U	1.8	0.57	ng/L		07/25/24 11:51	07/29/24 21:04	1
NEtFOSA	1.8	U	1.8	0.66	ng/L		07/25/24 11:51	07/29/24 21:04	1
NMeFOSAA	1.8	U	1.8	0.72	ng/L		07/25/24 11:51	07/29/24 21:04	1
NEtFOSAA	1.8	U	1.8	0.49	ng/L		07/25/24 11:51	07/29/24 21:04	1
NMeFOSE	9.0	U	9.0	1.5	ng/L		07/25/24 11:51	07/29/24 21:04	1
NEtFOSE	9.0	U	9.0	1.4	ng/L		07/25/24 11:51	07/29/24 21:04	1
HFPO-DA (GenX)	1.3	U	1.3	0.48	ng/L		07/25/24 11:51	07/29/24 21:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.8	U	1.8	0.22	ng/L		07/25/24 11:51	07/29/24 21:04	1
PFMBA	1.8	U	1.8	0.18	ng/L		07/25/24 11:51	07/29/24 21:04	1
NFDHA	1.8	U	1.8	0.48	ng/L		07/25/24 11:51	07/29/24 21:04	1
PFMPA	1.8	U	1.8	0.14	ng/L		07/25/24 11:51	07/29/24 21:04	1
9Cl-PF3ONS	1.8	U	1.8	0.26	ng/L		07/25/24 11:51	07/29/24 21:04	1
11Cl-PF3OUdS	1.8	U	1.8	0.25	ng/L		07/25/24 11:51	07/29/24 21:04	1
PFEESA	1.8	U	1.8	0.15	ng/L		07/25/24 11:51	07/29/24 21:04	1
3:3 FTCA	3.6	U	3.6	0.56	ng/L		07/25/24 11:51	07/29/24 21:04	1
5:3 FTCA	9.0	U	9.0	0.66	ng/L		07/25/24 11:51	07/29/24 21:04	1
7:3 FTCA	9.0	U	9.0	1.3	ng/L		07/25/24 11:51	07/29/24 21:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82.6*		*5 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C5 PFPeA	*85.8*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C5 PFHxA	*85.1*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C4 PFHpA	*87.1*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C8 PFOA	*86.4*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C9 PFNA	*82.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C6 PFDA	*81.7*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C7 PFUnA	*81.8*		*30 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C2 PFDoA	*76.1*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C2 PFTeDA	*78.2*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C3 PFBS	*88.0*		*40 - 135*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C3 PFHxS	*84.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C8 PFOS	*80.6*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
13C8 FOSA	*73.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
d3-NMeFOSAA	*80.4*		*40 - 170*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
d5-NEtFOSAA	*76.7*		*25 - 135*	*07/25/24 11:51*	*07/29/24 21:04*	*1*
M2-4:2 FTS	*87.6*		*40 - 200*	*07/25/24 11:51*	*07/29/24 21:04*	*1*

Client Sample ID: GW-PES-2-071824
Lab Sample ID: 480-221807-3

Date Collected: 07/18/24 12:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	96.7		40 - 200	07/25/24 11:51	07/29/24 21:04	1
M2-8:2 FTS	90.4		40 - 300	07/25/24 11:51	07/29/24 21:04	1
13C3 HFPO-DA	87.1		40 - 130	07/25/24 11:51	07/29/24 21:04	1
d7-N-MeFOSE-M	67.5		10 - 130	07/25/24 11:51	07/29/24 21:04	1
d9-N-EtFOSE-M	65.4		10 - 130	07/25/24 11:51	07/29/24 21:04	1
d5-NEtPFOSA	61.3		10 - 130	07/25/24 11:51	07/29/24 21:04	1
d3-NMePFOSA	59.7		10 - 130	07/25/24 11:51	07/29/24 21:04	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5.1**		0.20	0.060	mg/L		07/22/24 09:20	07/22/24 20:16	1
Antimony	0.020	U	0.020	0.0068	mg/L		07/22/24 09:20	07/22/24 20:16	1
Arsenic	0.015	U	0.015	0.0056	mg/L		07/22/24 09:20	07/23/24 13:09	1
Barium	**0.035**		0.0020	0.00070	mg/L		07/22/24 09:20	07/22/24 20:16	1
Beryllium	0.0020	U	0.0020	0.00030	mg/L		07/22/24 09:20	07/22/24 20:16	1
Cadmium	0.0020	U	0.0020	0.00050	mg/L		07/22/24 09:20	07/22/24 20:16	1
Calcium	**66.2**		0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:16	1
Chromium	**0.0054**		0.0040	0.0010	mg/L		07/22/24 09:20	07/22/24 20:16	1
Cobalt	**0.0029**	**J**	0.0040	0.00063	mg/L		07/22/24 09:20	07/22/24 20:16	1
Copper	**0.0071**	**J**	0.010	0.0016	mg/L		07/22/24 09:20	07/22/24 20:16	1
Iron	**7.3**		0.050	0.019	mg/L		07/22/24 09:20	07/22/24 20:16	1
Lead	0.010	U	0.010	0.0030	mg/L		07/22/24 09:20	07/22/24 20:16	1
Magnesium	**8.6**		0.20	0.043	mg/L		07/22/24 09:20	07/22/24 20:16	1
Manganese	**0.33**		0.0030	0.00040	mg/L		07/22/24 09:20	07/22/24 20:16	1
Nickel	**0.0049**	**J**	0.010	0.0013	mg/L		07/22/24 09:20	07/22/24 20:16	1
Potassium	**2.6**		0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:16	1
Selenium	0.025	U	0.025	0.0087	mg/L		07/22/24 09:20	07/22/24 20:16	1
Silver	0.0060	U	0.0060	0.0017	mg/L		07/22/24 09:20	07/22/24 20:16	1
Sodium	**249**		1.0	0.32	mg/L		07/22/24 09:20	07/22/24 20:16	1
Thallium	0.020	U	0.020	0.010	mg/L		07/22/24 09:20	07/22/24 20:16	1
Vanadium	**0.010**		0.0050	0.0015	mg/L		07/22/24 09:20	07/22/24 20:16	1
Zinc	**0.016**		0.010	0.0015	mg/L		07/22/24 09:20	07/22/24 20:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000042	mg/L		07/22/24 10:35	07/22/24 17:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0041	mg/L			07/19/24 20:15	1

Client Sample ID: FD-071824
Lab Sample ID: 480-221807-4

Date Collected: 07/18/24 00:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/22/24 15:51	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 15:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/22/24 15:51	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/22/24 15:51	1

Client Sample ID: FD-071824
Lab Sample ID: 480-221807-4
Date Collected: 07/18/24 00:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/22/24 15:51	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/22/24 15:51	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/24 15:51	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/22/24 15:51	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/22/24 15:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/22/24 15:51	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 15:51	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/22/24 15:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/22/24 15:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/22/24 15:51	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/22/24 15:51	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/22/24 15:51	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/22/24 15:51	1
Acetone	10	U	10	3.0	ug/L			07/22/24 15:51	1
Benzene	1.0	U	1.0	0.41	ug/L			07/22/24 15:51	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/22/24 15:51	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/22/24 15:51	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/22/24 15:51	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/22/24 15:51	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/22/24 15:51	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/22/24 15:51	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/22/24 15:51	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/22/24 15:51	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/22/24 15:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/22/24 15:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/24 15:51	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/22/24 15:51	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/22/24 15:51	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/22/24 15:51	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/22/24 15:51	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/22/24 15:51	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/22/24 15:51	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/22/24 15:51	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/22/24 15:51	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/22/24 15:51	1
Styrene	1.0	U	1.0	0.73	ug/L			07/22/24 15:51	1
Tetrachloroethene	**0.63**	**J**	1.0	0.36	ug/L			07/22/24 15:51	1
Toluene	1.0	U	1.0	0.51	ug/L			07/22/24 15:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/22/24 15:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/22/24 15:51	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/22/24 15:51	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/22/24 15:51	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/22/24 15:51	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/22/24 15:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*07/22/24 15:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*07/22/24 15:51*	*1*

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: FD-071824
Lab Sample ID: 480-221807-4
Date Collected: 07/18/24 00:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*07/22/24 15:51*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*07/22/24 15:51*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/22/24 15:51*	*1*

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		07/23/24 07:26	07/24/24 17:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*28*		*15 - 110*	*07/23/24 07:26*	*07/24/24 17:28*	*1*

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10	U	10	1.1	ug/L		07/22/24 13:14	07/25/24 06:13	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 06:13	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		07/22/24 13:14	07/25/24 06:13	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 06:13	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		07/22/24 13:14	07/25/24 06:13	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 06:13	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 06:13	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:13	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 06:13	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		07/22/24 13:14	07/25/24 06:13	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		07/22/24 13:14	07/25/24 06:13	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:13	1
2-Nitroaniline	10	U	10	0.42	ug/L		07/22/24 13:14	07/25/24 06:13	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 06:13	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:13	1
3-Nitroaniline	10	U	10	0.48	ug/L		07/22/24 13:14	07/25/24 06:13	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 06:13	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 06:13	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 06:13	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 06:13	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 06:13	1
4-Methylphenol	10	U	10	0.36	ug/L		07/22/24 13:14	07/25/24 06:13	1
4-Nitroaniline	10	U	10	0.25	ug/L		07/22/24 13:14	07/25/24 06:13	1
4-Nitrophenol	10	U	10	1.5	ug/L		07/22/24 13:14	07/25/24 06:13	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		07/22/24 13:14	07/25/24 06:13	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		07/22/24 13:14	07/25/24 06:13	1
Acetophenone	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 06:13	1
Anthracene	5.0	U	5.0	0.28	ug/L		07/22/24 13:14	07/25/24 06:13	1
Atrazine	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 06:13	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		07/22/24 13:14	07/25/24 06:13	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 06:13	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 06:13	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 06:13	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 06:13	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		07/22/24 13:14	07/25/24 06:13	1
Biphenyl	5.0	U	5.0	0.65	ug/L		07/22/24 13:14	07/25/24 06:13	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		07/22/24 13:14	07/25/24 06:13	1

Client Sample ID: FD-071824
Lab Sample ID: 480-221807-4
Date Collected: 07/18/24 00:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 06:13	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:13	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 06:13	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		07/22/24 13:14	07/25/24 06:13	1
Caprolactam	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 06:13	1
Carbazole	5.0	U	5.0	0.30	ug/L		07/22/24 13:14	07/25/24 06:13	1
Chrysene	5.0	U	5.0	0.33	ug/L		07/22/24 13:14	07/25/24 06:13	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		07/22/24 13:14	07/25/24 06:13	1
Dibenzofuran	10	U	10	0.51	ug/L		07/22/24 13:14	07/25/24 06:13	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		07/22/24 13:14	07/25/24 06:13	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 06:13	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		07/22/24 13:14	07/25/24 06:13	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 06:13	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:13	1
Fluorene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 06:13	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 06:13	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		07/22/24 13:14	07/25/24 06:13	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 06:13	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 06:13	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 06:13	1
Isophorone	5.0	U	5.0	0.43	ug/L		07/22/24 13:14	07/25/24 06:13	1
Naphthalene	5.0	U	5.0	0.76	ug/L		07/22/24 13:14	07/25/24 06:13	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		07/22/24 13:14	07/25/24 06:13	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 06:13	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 06:13	1
Pentachlorophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 06:13	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		07/22/24 13:14	07/25/24 06:13	1
Phenol	5.0	U	5.0	0.39	ug/L		07/22/24 13:14	07/25/24 06:13	1
Pyrene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 06:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-	*4.3*	*T J N*	*ug/L*		*3.13*	*109-99-9*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*3.21*	*N/A*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Cyclotrisiloxane, hexamethyl-	*2.0*	*T J N*	*ug/L*		*4.59*	*541-05-9*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Unknown	*28*	*T J*	*ug/L*		*4.87*	*N/A*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Unknown	*2.2*	*T J*	*ug/L*		*5.30*	*N/A*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Unknown	*1.7*	*T J*	*ug/L*		*5.64*	*N/A*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Unknown	*3.0*	*T J*	*ug/L*		*6.10*	*N/A*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Unknown	*1.9*	*T J*	*ug/L*		*7.42*	*N/A*	*07/22/24 13:14*	*07/25/24 06:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*114*		*25 - 144*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
2-Fluorobiphenyl	*86*		*53 - 126*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
2-Fluorophenol	*56*		*24 - 120*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Nitrobenzene-d5	*73*		*29 - 129*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
Phenol-d5	*46*		*10 - 120*	*07/22/24 13:14*	*07/25/24 06:13*	*1*
p-Terphenyl-d14	*95*		*33 - 132*	*07/22/24 13:14*	*07/25/24 06:13*	*1*

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: FD-071824
Lab Sample ID: 480-221807-4
Date Collected: 07/18/24 00:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.013**	**J**	0.050	0.0092	ug/L		07/19/24 16:10	07/22/24 11:09	1
4,4'-DDE	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 11:09	1
4,4'-DDT	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 11:09	1
Aldrin	0.050	U	0.050	0.0081	ug/L		07/19/24 16:10	07/22/24 11:09	1
alpha-BHC	0.050	U	0.050	0.0077	ug/L		07/19/24 16:10	07/22/24 11:09	1
beta-BHC	0.050	U	0.050	0.025	ug/L		07/19/24 16:10	07/22/24 11:09	1
cis-Chlordane	0.050	U	0.050	0.015	ug/L		07/19/24 16:10	07/22/24 11:09	1
delta-BHC	0.050	U	0.050	0.010	ug/L		07/19/24 16:10	07/22/24 11:09	1
Dieldrin	0.050	U	0.050	0.0098	ug/L		07/19/24 16:10	07/22/24 11:09	1
Endosulfan I	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 11:09	1
Endosulfan II	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 11:09	1
Endosulfan sulfate	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 11:09	1
Endrin	0.050	U	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 11:09	1
Endrin aldehyde	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 11:09	1
Endrin ketone	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 11:09	1
gamma-BHC (Lindane)	**0.011**	**J B**	0.050	0.0080	ug/L		07/19/24 16:10	07/22/24 11:09	1
Heptachlor	0.050	U	0.050	0.0085	ug/L		07/19/24 16:10	07/22/24 11:09	1
Heptachlor epoxide	0.050	U	0.050	0.0074	ug/L		07/19/24 16:10	07/22/24 11:09	1
Methoxychlor	0.050	U	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 11:09	1
Toxaphene	0.50	U	0.50	0.12	ug/L		07/19/24 16:10	07/22/24 11:09	1
trans-Chlordane	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*33*		*10 - 120*	*07/19/24 16:10*	*07/22/24 11:09*	*1*
DCB Decachlorobiphenyl	*33*		*10 - 120*	*07/19/24 16:10*	*07/22/24 11:09*	*1*
Tetrachloro-m-xylene	*46*		*10 - 120*	*07/19/24 16:10*	*07/22/24 11:09*	*1*
Tetrachloro-m-xylene	*43*		*10 - 120*	*07/19/24 16:10*	*07/22/24 11:09*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 09:10	1
PCB-1221	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 09:10	1
PCB-1232	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 09:10	1
PCB-1242	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 09:10	1
PCB-1248	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 09:10	1
PCB-1254	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 09:10	1
PCB-1260	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 09:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*10 - 123*	*07/19/24 16:14*	*07/22/24 09:10*	*1*
DCB Decachlorobiphenyl	*55*		*10 - 123*	*07/19/24 16:14*	*07/22/24 09:10*	*1*
Tetrachloro-m-xylene	*68*		*10 - 145*	*07/19/24 16:14*	*07/22/24 09:10*	*1*
Tetrachloro-m-xylene	*59*		*10 - 145*	*07/19/24 16:14*	*07/22/24 09:10*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**4.0**		4.0	0.25	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluoropentanoic acid (PFPeA)	**6.6**		2.0	0.13	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorohexanoic acid (PFHxA)	**4.1**		2.0	0.52	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluoroheptanoic acid (PFHpA)	**1.5**	**J**	2.0	0.20	ng/L		07/25/24 11:51	07/29/24 21:23	1

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-221807-1

Client Sample ID: FD-071824
Date Collected: 07/18/24 00:00
Date Received: 07/19/24 10:45

Lab Sample ID: 480-221807-4
Matrix: Water

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	2.0	U	2.0	0.58	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorononanoic acid (PFNA)	2.0	U	2.0	0.39	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorodecanoic acid (PFDA)	**0.54**	**J**	2.0	0.19	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluoroundecanoic acid (PFUnA)	**0.29**	**J**	2.0	0.26	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.16	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorotridecanoic acid (PFTriA)	2.0	U	2.0	0.29	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorotetradecanoic acid (PFTeDA)	2.0	U	2.0	0.39	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorobutanesulfonic acid (PFBS)	**2.0**		2.0	0.69	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluoropentanesulfonic acid (PFPeS)	2.0	U	2.0	0.33	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorohexanesulfonic acid (PFHxS)	2.0	U	2.0	0.69	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluoroheptanesulfonic acid (PFHpS)	2.0	U	2.0	0.42	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorooctanesulfonic acid (PFOS)	**3.1**		2.0	0.18	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorononanesulfonic acid (PFNS)	2.0	U	2.0	0.26	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.28	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorododecanesulfonic acid (PFDoS)	2.0	U	2.0	0.45	ng/L		07/25/24 11:51	07/29/24 21:23	1
4:2 FTS	4.0	U	4.0	0.55	ng/L		07/25/24 11:51	07/29/24 21:23	1
6:2 FTS	4.0	U	4.0	1.9	ng/L		07/25/24 11:51	07/29/24 21:23	1
8:2 FTS	4.0	U	4.0	1.6	ng/L		07/25/24 11:51	07/29/24 21:23	1
Perfluorooctanesulfonamide (PFOSA)	2.0	U	2.0	0.39	ng/L		07/25/24 11:51	07/29/24 21:23	1
NMeFOSA	2.0	U	2.0	0.63	ng/L		07/25/24 11:51	07/29/24 21:23	1
NEtFOSA	2.0	U	2.0	0.73	ng/L		07/25/24 11:51	07/29/24 21:23	1
NMeFOSAA	2.0	U	2.0	0.79	ng/L		07/25/24 11:51	07/29/24 21:23	1
NEtFOSAA	2.0	U	2.0	0.54	ng/L		07/25/24 11:51	07/29/24 21:23	1
NMeFOSE	9.9	U	9.9	1.7	ng/L		07/25/24 11:51	07/29/24 21:23	1
NEtFOSE	9.9	U	9.9	1.5	ng/L		07/25/24 11:51	07/29/24 21:23	1
HFPO-DA (GenX)	1.5	U	1.5	0.53	ng/L		07/25/24 11:51	07/29/24 21:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.0	U	2.0	0.25	ng/L		07/25/24 11:51	07/29/24 21:23	1
PFMBA	2.0	U	2.0	0.20	ng/L		07/25/24 11:51	07/29/24 21:23	1
NFDHA	2.0	U	2.0	0.53	ng/L		07/25/24 11:51	07/29/24 21:23	1
PFMPA	2.0	U	2.0	0.15	ng/L		07/25/24 11:51	07/29/24 21:23	1
9Cl-PF3ONS	2.0	U	2.0	0.29	ng/L		07/25/24 11:51	07/29/24 21:23	1
11Cl-PF3OUdS	2.0	U	2.0	0.28	ng/L		07/25/24 11:51	07/29/24 21:23	1
PFEESA	2.0	U	2.0	0.17	ng/L		07/25/24 11:51	07/29/24 21:23	1
3:3 FTCA	4.0	U	4.0	0.62	ng/L		07/25/24 11:51	07/29/24 21:23	1
5:3 FTCA	9.9	U	9.9	0.73	ng/L		07/25/24 11:51	07/29/24 21:23	1
7:3 FTCA	9.9	U	9.9	1.4	ng/L		07/25/24 11:51	07/29/24 21:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78.7*		*5 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C5 PFPeA	*75.1*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C5 PFHxA	*78.4*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C4 PFHpA	*82.7*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C8 PFOA	*80.5*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C9 PFNA	*83.6*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*
13C6 PFDA	*82.5*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:23*	*1*

Client Sample ID: FD-071824
Lab Sample ID: 480-221807-4
Date Collected: 07/18/24 00:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	82.2		30 - 130	07/25/24 11:51	07/29/24 21:23	1
13C2 PFDoA	79.9		10 - 130	07/25/24 11:51	07/29/24 21:23	1
13C2 PFTeDA	72.7		10 - 130	07/25/24 11:51	07/29/24 21:23	1
13C3 PFBS	81.8		40 - 135	07/25/24 11:51	07/29/24 21:23	1
13C3 PFHxS	83.0		40 - 130	07/25/24 11:51	07/29/24 21:23	1
13C8 PFOS	80.2		40 - 130	07/25/24 11:51	07/29/24 21:23	1
13C8 FOSA	70.7		40 - 130	07/25/24 11:51	07/29/24 21:23	1
d3-NMeFOSAA	82.1		40 - 170	07/25/24 11:51	07/29/24 21:23	1
d5-NEtFOSAA	81.3		25 - 135	07/25/24 11:51	07/29/24 21:23	1
M2-4:2 FTS	114		40 - 200	07/25/24 11:51	07/29/24 21:23	1
M2-6:2 FTS	108		40 - 200	07/25/24 11:51	07/29/24 21:23	1
M2-8:2 FTS	91.3		40 - 300	07/25/24 11:51	07/29/24 21:23	1
13C3 HFPO-DA	81.9		40 - 130	07/25/24 11:51	07/29/24 21:23	1
d7-N-MeFOSE-M	63.8		10 - 130	07/25/24 11:51	07/29/24 21:23	1
d9-N-EtFOSE-M	64.8		10 - 130	07/25/24 11:51	07/29/24 21:23	1
d5-NEtPFOSA	59.6		10 - 130	07/25/24 11:51	07/29/24 21:23	1
d3-NMePFOSA	63.5		10 - 130	07/25/24 11:51	07/29/24 21:23	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**23.7**		0.20	0.060	mg/L		07/22/24 09:20	07/22/24 20:23	1
Antimony	0.020	U	0.020	0.0068	mg/L		07/22/24 09:20	07/22/24 20:23	1
Arsenic	**0.022**		0.015	0.0056	mg/L		07/22/24 09:20	07/23/24 13:10	1
Barium	**0.16**		0.0020	0.00070	mg/L		07/22/24 09:20	07/22/24 20:23	1
Beryllium	**0.0013**	**J**	0.0020	0.00030	mg/L		07/22/24 09:20	07/22/24 20:23	1
Cadmium	**0.00081**	**J**	0.0020	0.00050	mg/L		07/22/24 09:20	07/22/24 20:23	1
Calcium	**211**		0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:23	1
Chromium	**0.026**		0.0040	0.0010	mg/L		07/22/24 09:20	07/22/24 20:23	1
Cobalt	**0.021**		0.0040	0.00063	mg/L		07/22/24 09:20	07/22/24 20:23	1
Copper	**0.058**		0.010	0.0016	mg/L		07/22/24 09:20	07/22/24 20:23	1
Iron	**41.2**		0.050	0.019	mg/L		07/22/24 09:20	07/22/24 20:23	1
Lead	**0.017**		0.010	0.0030	mg/L		07/22/24 09:20	07/22/24 20:23	1
Magnesium	**48.7**		0.20	0.043	mg/L		07/22/24 09:20	07/22/24 20:23	1
Manganese	**2.4**		0.0030	0.00040	mg/L		07/22/24 09:20	07/22/24 20:23	1
Nickel	**0.035**		0.010	0.0013	mg/L		07/22/24 09:20	07/22/24 20:23	1
Potassium	**7.8**		0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:23	1
Selenium	0.025	U	0.025	0.0087	mg/L		07/22/24 09:20	07/22/24 20:23	1
Silver	0.0060	U	0.0060	0.0017	mg/L		07/22/24 09:20	07/22/24 20:23	1
Sodium	**371**		1.0	0.32	mg/L		07/22/24 09:20	07/22/24 20:23	1
Thallium	0.020	U	0.020	0.010	mg/L		07/22/24 09:20	07/22/24 20:23	1
Vanadium	**0.049**		0.0050	0.0015	mg/L		07/22/24 09:20	07/22/24 20:23	1
Zinc	**0.095**		0.010	0.0015	mg/L		07/22/24 09:20	07/22/24 20:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00013**	**J**	0.00060	0.00013	mg/L		07/22/24 10:35	07/22/24 17:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.0084**	**J**	0.010	0.0041	mg/L			07/19/24 20:17	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: EB-071824
Lab Sample ID: 480-221807-5
Date Collected: 07/18/24 11:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/22/24 18:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 18:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/22/24 18:27	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/22/24 18:27	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/22/24 18:27	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/22/24 18:27	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/24 18:27	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/22/24 18:27	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/22/24 18:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/22/24 18:27	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 18:27	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/22/24 18:27	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/22/24 18:27	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/22/24 18:27	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/22/24 18:27	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/22/24 18:27	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/22/24 18:27	1
Acetone	10	U	10	3.0	ug/L			07/22/24 18:27	1
Benzene	1.0	U	1.0	0.41	ug/L			07/22/24 18:27	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/22/24 18:27	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/22/24 18:27	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/22/24 18:27	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/22/24 18:27	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/22/24 18:27	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/22/24 18:27	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/22/24 18:27	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/22/24 18:27	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/22/24 18:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/22/24 18:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/24 18:27	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/22/24 18:27	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/22/24 18:27	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/22/24 18:27	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/22/24 18:27	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/22/24 18:27	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/22/24 18:27	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/22/24 18:27	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/22/24 18:27	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/22/24 18:27	1
Styrene	1.0	U	1.0	0.73	ug/L			07/22/24 18:27	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			07/22/24 18:27	1
Toluene	1.0	U	1.0	0.51	ug/L			07/22/24 18:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/22/24 18:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/22/24 18:27	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/22/24 18:27	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/22/24 18:27	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/22/24 18:27	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/22/24 18:27	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: EB-071824
Date Collected: 07/18/24 11:50
Date Received: 07/19/24 10:45

Lab Sample ID: 480-221807-5
Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		07/22/24 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		07/22/24 18:27	1
4-Bromofluorobenzene (Surr)	94		73 - 120		07/22/24 18:27	1
Dibromofluoromethane (Surr)	108		75 - 123		07/22/24 18:27	1
Toluene-d8 (Surr)	108		80 - 120		07/22/24 18:27	1

Method: SW846 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		07/23/24 07:26	07/24/24 17:48	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		15 - 110	07/23/24 07:26	07/24/24 17:48	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10	U	10	1.1	ug/L		07/22/24 13:14	07/25/24 06:40	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 06:40	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		07/22/24 13:14	07/25/24 06:40	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 06:40	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		07/22/24 13:14	07/25/24 06:40	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 06:40	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 06:40	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:40	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 06:40	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		07/22/24 13:14	07/25/24 06:40	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		07/22/24 13:14	07/25/24 06:40	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:40	1
2-Nitroaniline	10	U	10	0.42	ug/L		07/22/24 13:14	07/25/24 06:40	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 06:40	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:40	1
3-Nitroaniline	10	U	10	0.48	ug/L		07/22/24 13:14	07/25/24 06:40	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 06:40	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 06:40	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 06:40	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 06:40	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 06:40	1
4-Methylphenol	10	U	10	0.36	ug/L		07/22/24 13:14	07/25/24 06:40	1
4-Nitroaniline	10	U	10	0.25	ug/L		07/22/24 13:14	07/25/24 06:40	1
4-Nitrophenol	10	U	10	1.5	ug/L		07/22/24 13:14	07/25/24 06:40	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		07/22/24 13:14	07/25/24 06:40	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		07/22/24 13:14	07/25/24 06:40	1
Acetophenone	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 06:40	1
Anthracene	5.0	U	5.0	0.28	ug/L		07/22/24 13:14	07/25/24 06:40	1
Atrazine	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 06:40	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		07/22/24 13:14	07/25/24 06:40	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 06:40	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 06:40	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 06:40	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 06:40	1

Client Sample ID: EB-071824
Lab Sample ID: 480-221807-5
Date Collected: 07/18/24 11:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		07/22/24 13:14	07/25/24 06:40	1
Biphenyl	5.0	U	5.0	0.65	ug/L		07/22/24 13:14	07/25/24 06:40	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		07/22/24 13:14	07/25/24 06:40	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 06:40	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:40	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 06:40	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		07/22/24 13:14	07/25/24 06:40	1
Caprolactam	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 06:40	1
Carbazole	5.0	U	5.0	0.30	ug/L		07/22/24 13:14	07/25/24 06:40	1
Chrysene	5.0	U	5.0	0.33	ug/L		07/22/24 13:14	07/25/24 06:40	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		07/22/24 13:14	07/25/24 06:40	1
Dibenzofuran	10	U	10	0.51	ug/L		07/22/24 13:14	07/25/24 06:40	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		07/22/24 13:14	07/25/24 06:40	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 06:40	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		07/22/24 13:14	07/25/24 06:40	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 06:40	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 06:40	1
Fluorene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 06:40	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 06:40	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		07/22/24 13:14	07/25/24 06:40	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 06:40	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 06:40	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 06:40	1
Isophorone	5.0	U	5.0	0.43	ug/L		07/22/24 13:14	07/25/24 06:40	1
Naphthalene	5.0	U	5.0	0.76	ug/L		07/22/24 13:14	07/25/24 06:40	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		07/22/24 13:14	07/25/24 06:40	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 06:40	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 06:40	1
Pentachlorophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 06:40	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		07/22/24 13:14	07/25/24 06:40	1
Phenol	5.0	U	5.0	0.39	ug/L		07/22/24 13:14	07/25/24 06:40	1
Pyrene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 06:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-	*4.1*	*T J N*	*ug/L*		*3.13*	*109-99-9*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
Unknown	*3.7*	*T J*	*ug/L*		*3.21*	*N/A*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
Unknown	*27*	*T J*	*ug/L*		*4.87*	*N/A*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
Unknown	*2.1*	*T J*	*ug/L*		*5.30*	*N/A*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
Unknown	*1.7*	*T J*	*ug/L*		*5.64*	*N/A*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
Unknown	*2.0*	*T J*	*ug/L*		*6.10*	*N/A*	*07/22/24 13:14*	*07/25/24 06:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*25 - 144*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
2-Fluorobiphenyl	*78*		*53 - 126*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
2-Fluorophenol	*53*		*24 - 120*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
Nitrobenzene-d5	*69*		*29 - 129*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
Phenol-d5	*41*		*10 - 120*	*07/22/24 13:14*	*07/25/24 06:40*	*1*
p-Terphenyl-d14	*96*		*33 - 132*	*07/22/24 13:14*	*07/25/24 06:40*	*1*

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-221807-1

Client Sample ID: EB-071824

Date Collected: 07/18/24 11:50
Date Received: 07/19/24 10:45

Lab Sample ID: 480-221807-5

Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.050	U	0.050	0.0092	ug/L		07/19/24 16:10	07/22/24 11:28	1
4,4'-DDE	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 11:28	1
4,4'-DDT	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 11:28	1
Aldrin	0.050	U	0.050	0.0081	ug/L		07/19/24 16:10	07/22/24 11:28	1
alpha-BHC	**0.0083**	**J**	0.050	0.0077	ug/L		07/19/24 16:10	07/22/24 11:28	1
beta-BHC	0.050	U	0.050	0.025	ug/L		07/19/24 16:10	07/22/24 11:28	1
cis-Chlordane	0.050	U	0.050	0.015	ug/L		07/19/24 16:10	07/22/24 11:28	1
delta-BHC	0.050	U	0.050	0.010	ug/L		07/19/24 16:10	07/22/24 11:28	1
Dieldrin	0.050	U	0.050	0.0098	ug/L		07/19/24 16:10	07/22/24 11:28	1
Endosulfan I	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 11:28	1
Endosulfan II	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 11:28	1
Endosulfan sulfate	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 11:28	1
Endrin	0.050	U	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 11:28	1
Endrin aldehyde	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 11:28	1
Endrin ketone	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 11:28	1
gamma-BHC (Lindane)	**0.0089**	**J B**	0.050	0.0080	ug/L		07/19/24 16:10	07/22/24 11:28	1
Heptachlor	0.050	U	0.050	0.0085	ug/L		07/19/24 16:10	07/22/24 11:28	1
Heptachlor epoxide	0.050	U	0.050	0.0074	ug/L		07/19/24 16:10	07/22/24 11:28	1
Methoxychlor	**0.041**	**J B**	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 11:28	1
Toxaphene	0.50	U	0.50	0.12	ug/L		07/19/24 16:10	07/22/24 11:28	1
trans-Chlordane	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*		*10 - 120*	*07/19/24 16:10*	*07/22/24 11:28*	*1*
DCB Decachlorobiphenyl	*43*		*10 - 120*	*07/19/24 16:10*	*07/22/24 11:28*	*1*
Tetrachloro-m-xylene	*52*		*10 - 120*	*07/19/24 16:10*	*07/22/24 11:28*	*1*
Tetrachloro-m-xylene	*46*		*10 - 120*	*07/19/24 16:10*	*07/22/24 11:28*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.54	U	0.54	0.19	ug/L		07/19/24 16:14	07/22/24 09:27	1
PCB-1221	0.54	U	0.54	0.19	ug/L		07/19/24 16:14	07/22/24 09:27	1
PCB-1232	0.54	U	0.54	0.19	ug/L		07/19/24 16:14	07/22/24 09:27	1
PCB-1242	0.54	U	0.54	0.19	ug/L		07/19/24 16:14	07/22/24 09:27	1
PCB-1248	0.54	U	0.54	0.19	ug/L		07/19/24 16:14	07/22/24 09:27	1
PCB-1254	0.54	U	0.54	0.27	ug/L		07/19/24 16:14	07/22/24 09:27	1
PCB-1260	0.54	U	0.54	0.27	ug/L		07/19/24 16:14	07/22/24 09:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*10 - 123*	*07/19/24 16:14*	*07/22/24 09:27*	*1*
DCB Decachlorobiphenyl	*54*		*10 - 123*	*07/19/24 16:14*	*07/22/24 09:27*	*1*
Tetrachloro-m-xylene	*69*		*10 - 145*	*07/19/24 16:14*	*07/22/24 09:27*	*1*
Tetrachloro-m-xylene	*55*		*10 - 145*	*07/19/24 16:14*	*07/22/24 09:27*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.3	U	3.3	0.20	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluoropentanoic acid (PFPeA)	1.6	U	1.6	0.11	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorohexanoic acid (PFHxA)	1.6	U	1.6	0.43	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluoroheptanoic acid (PFHpA)	1.6	U	1.6	0.16	ng/L		07/25/24 11:51	07/29/24 21:42	1

Client Sample ID: EB-071824
Lab Sample ID: 480-221807-5
Date Collected: 07/18/24 11:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	1.6	U	1.6	0.47	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorononanoic acid (PFNA)	1.6	U	1.6	0.32	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorodecanoic acid (PFDA)	1.6	U	1.6	0.16	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluoroundecanoic acid (PFUnA)	1.6	U	1.6	0.21	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorododecanoic acid (PFDoA)	1.6	U	1.6	0.13	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorotridecanoic acid (PFTriA)	1.6	U	1.6	0.24	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorotetradecanoic acid (PFTeDA)	1.6	U	1.6	0.32	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorobutanesulfonic acid (PFBS)	1.6	U	1.6	0.57	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluoropentanesulfonic acid (PFPeS)	1.6	U	1.6	0.27	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorohexanesulfonic acid (PFHxS)	1.6	U	1.6	0.57	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluoroheptanesulfonic acid (PFHpS)	1.6	U	1.6	0.35	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorooctanesulfonic acid (PFOS)	1.6	U	1.6	0.15	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorononanesulfonic acid (PFNS)	1.6	U	1.6	0.21	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorodecanesulfonic acid (PFDS)	1.6	U	1.6	0.23	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorododecanesulfonic acid (PFDoS)	1.6	U	1.6	0.37	ng/L		07/25/24 11:51	07/29/24 21:42	1
4:2 FTS	3.3	U	3.3	0.45	ng/L		07/25/24 11:51	07/29/24 21:42	1
6:2 FTS	3.3	U	3.3	1.5	ng/L		07/25/24 11:51	07/29/24 21:42	1
8:2 FTS	3.3	U	3.3	1.3	ng/L		07/25/24 11:51	07/29/24 21:42	1
Perfluorooctanesulfonamide (PFOSA)	1.6	U	1.6	0.32	ng/L		07/25/24 11:51	07/29/24 21:42	1
NMeFOSA	1.6	U	1.6	0.52	ng/L		07/25/24 11:51	07/29/24 21:42	1
NEtFOSA	1.6	U	1.6	0.60	ng/L		07/25/24 11:51	07/29/24 21:42	1
NMeFOSAA	1.6	U	1.6	0.65	ng/L		07/25/24 11:51	07/29/24 21:42	1
NEtFOSAA	1.6	U	1.6	0.44	ng/L		07/25/24 11:51	07/29/24 21:42	1
NMeFOSE	8.2	U	8.2	1.4	ng/L		07/25/24 11:51	07/29/24 21:42	1
NEtFOSE	8.2	U	8.2	1.2	ng/L		07/25/24 11:51	07/29/24 21:42	1
HFPO-DA (GenX)	1.2	U	1.2	0.43	ng/L		07/25/24 11:51	07/29/24 21:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.6	U	1.6	0.20	ng/L		07/25/24 11:51	07/29/24 21:42	1
PFMBA	1.6	U	1.6	0.17	ng/L		07/25/24 11:51	07/29/24 21:42	1
NFDHA	1.6	U	1.6	0.43	ng/L		07/25/24 11:51	07/29/24 21:42	1
PFMPA	1.6	U	1.6	0.12	ng/L		07/25/24 11:51	07/29/24 21:42	1
9Cl-PF3ONS	1.6	U	1.6	0.24	ng/L		07/25/24 11:51	07/29/24 21:42	1
11Cl-PF3OUdS	1.6	U	1.6	0.23	ng/L		07/25/24 11:51	07/29/24 21:42	1
PFEESA	1.6	U	1.6	0.14	ng/L		07/25/24 11:51	07/29/24 21:42	1
3:3 FTCA	3.3	U	3.3	0.51	ng/L		07/25/24 11:51	07/29/24 21:42	1
5:3 FTCA	8.2	U	8.2	0.60	ng/L		07/25/24 11:51	07/29/24 21:42	1
7:3 FTCA	8.2	U	8.2	1.2	ng/L		07/25/24 11:51	07/29/24 21:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81.7*		*5 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C5 PFPeA	*86.3*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C5 PFHxA	*82.8*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C4 PFHpA	*88.8*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C8 PFOA	*81.2*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C9 PFNA	*80.0*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C6 PFDA	*78.2*		*40 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C7 PFUnA	*77.6*		*30 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*
13C2 PFDoA	*75.9*		*10 - 130*	*07/25/24 11:51*	*07/29/24 21:42*	*1*

Client Sample ID: EB-071824
Date Collected: 07/18/24 11:50
Date Received: 07/19/24 10:45

Lab Sample ID: 480-221807-5
Matrix: Water

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	71.0		10 - 130	07/25/24 11:51	07/29/24 21:42	1
13C3 PFBS	82.1		40 - 135	07/25/24 11:51	07/29/24 21:42	1
13C3 PFHxS	77.2		40 - 130	07/25/24 11:51	07/29/24 21:42	1
13C8 PFOS	76.6		40 - 130	07/25/24 11:51	07/29/24 21:42	1
13C8 FOSA	71.1		40 - 130	07/25/24 11:51	07/29/24 21:42	1
d3-NMeFOSAA	79.6		40 - 170	07/25/24 11:51	07/29/24 21:42	1
d5-NEtFOSAA	79.3		25 - 135	07/25/24 11:51	07/29/24 21:42	1
M2-4:2 FTS	83.2		40 - 200	07/25/24 11:51	07/29/24 21:42	1
M2-6:2 FTS	89.6		40 - 200	07/25/24 11:51	07/29/24 21:42	1
M2-8:2 FTS	85.5		40 - 300	07/25/24 11:51	07/29/24 21:42	1
13C3 HFPO-DA	91.9		40 - 130	07/25/24 11:51	07/29/24 21:42	1
d7-N-MeFOSE-M	67.4		10 - 130	07/25/24 11:51	07/29/24 21:42	1
d9-N-EtFOSE-M	65.7		10 - 130	07/25/24 11:51	07/29/24 21:42	1
d5-NEtPFOSA	59.7		10 - 130	07/25/24 11:51	07/29/24 21:42	1
d3-NMePFOSA	60.1		10 - 130	07/25/24 11:51	07/29/24 21:42	1

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.20	U	0.20	0.060	mg/L		07/22/24 09:20	07/22/24 20:25	1
Antimony	0.020	U	0.020	0.0068	mg/L		07/22/24 09:20	07/22/24 20:25	1
Arsenic	0.015	U	0.015	0.0056	mg/L		07/22/24 09:20	07/23/24 13:12	1
Barium	0.0020	U	0.0020	0.00070	mg/L		07/22/24 09:20	07/22/24 20:25	1
Beryllium	0.0020	U	0.0020	0.00030	mg/L		07/22/24 09:20	07/22/24 20:25	1
Cadmium	0.0020	U	0.0020	0.00050	mg/L		07/22/24 09:20	07/22/24 20:25	1
Calcium	0.50	U	0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:25	1
Chromium	0.0040	U	0.0040	0.0010	mg/L		07/22/24 09:20	07/22/24 20:25	1
Cobalt	0.0040	U	0.0040	0.00063	mg/L		07/22/24 09:20	07/22/24 20:25	1
Copper	0.010	U	0.010	0.0016	mg/L		07/22/24 09:20	07/22/24 20:25	1
Iron	0.050	U	0.050	0.019	mg/L		07/22/24 09:20	07/22/24 20:25	1
Lead	0.010	U	0.010	0.0030	mg/L		07/22/24 09:20	07/22/24 20:25	1
Magnesium	0.20	U	0.20	0.043	mg/L		07/22/24 09:20	07/22/24 20:25	1
Manganese	0.0030	U	0.0030	0.00040	mg/L		07/22/24 09:20	07/22/24 20:25	1
Nickel	0.010	U	0.010	0.0013	mg/L		07/22/24 09:20	07/22/24 20:25	1
Potassium	0.50	U	0.50	0.10	mg/L		07/22/24 09:20	07/22/24 20:25	1
Selenium	0.025	U	0.025	0.0087	mg/L		07/22/24 09:20	07/22/24 20:25	1
Silver	0.0060	U	0.0060	0.0017	mg/L		07/22/24 09:20	07/22/24 20:25	1
Sodium	**0.39**	**J**	1.0	0.32	mg/L		07/22/24 09:20	07/22/24 20:25	1
Thallium	0.020	U	0.020	0.010	mg/L		07/22/24 09:20	07/22/24 20:25	1
Vanadium	0.0050	U	0.0050	0.0015	mg/L		07/22/24 09:20	07/22/24 20:25	1
Zinc	0.010	U	0.010	0.0015	mg/L		07/22/24 09:20	07/22/24 20:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000042	mg/L		07/22/24 10:35	07/22/24 17:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0041	mg/L			07/19/24 20:21	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: REAGENT-071824
Lab Sample ID: 480-221807-6
Date Collected: 07/18/24 09:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.0	U	3.0	0.18	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluoropentanoic acid (PFPeA)	1.5	U	1.5	0.096	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorohexanoic acid (PFHxA)	1.5	U	1.5	0.39	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluoroheptanoic acid (PFHpA)	1.5	U	1.5	0.15	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorooctanoic acid (PFOA)	1.5	U	1.5	0.43	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorononanoic acid (PFNA)	1.5	U	1.5	0.29	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorodecanoic acid (PFDA)	1.5	U	1.5	0.14	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluoroundecanoic acid (PFUnA)	1.5	U	1.5	0.19	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorododecanoic acid (PFDoA)	1.5	U	1.5	0.12	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorotridecanoic acid (PFTriA)	1.5	U	1.5	0.22	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorotetradecanoic acid (PFTeDA)	1.5	U	1.5	0.29	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorobutanesulfonic acid (PFBS)	1.5	U	1.5	0.52	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluoropentanesulfonic acid (PFPeS)	1.5	U	1.5	0.25	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorohexanesulfonic acid (PFHxS)	1.5	U	1.5	0.52	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluoroheptanesulfonic acid (PFHpS)	1.5	U	1.5	0.31	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorooctanesulfonic acid (PFOS)	1.5	U	1.5	0.14	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorononanesulfonic acid (PFNS)	1.5	U	1.5	0.19	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorodecanesulfonic acid (PFDS)	1.5	U	1.5	0.21	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorododecanesulfonic acid (PFDoS)	1.5	U	1.5	0.34	ng/L		07/25/24 11:51	07/29/24 22:02	1
4:2 FTS	3.0	U	3.0	0.41	ng/L		07/25/24 11:51	07/29/24 22:02	1
6:2 FTS	3.0	U	3.0	1.4	ng/L		07/25/24 11:51	07/29/24 22:02	1
8:2 FTS	3.0	U	3.0	1.2	ng/L		07/25/24 11:51	07/29/24 22:02	1
Perfluorooctanesulfonamide (PFOSA)	1.5	U	1.5	0.29	ng/L		07/25/24 11:51	07/29/24 22:02	1
NMeFOSA	1.5	U	1.5	0.47	ng/L		07/25/24 11:51	07/29/24 22:02	1
NEtFOSA	1.5	U	1.5	0.54	ng/L		07/25/24 11:51	07/29/24 22:02	1
NMeFOSAA	1.5	U	1.5	0.59	ng/L		07/25/24 11:51	07/29/24 22:02	1
NEtFOSAA	1.5	U	1.5	0.40	ng/L		07/25/24 11:51	07/29/24 22:02	1
NMeFOSE	7.4	U	7.4	1.3	ng/L		07/25/24 11:51	07/29/24 22:02	1
NEtFOSE	7.4	U	7.4	1.1	ng/L		07/25/24 11:51	07/29/24 22:02	1
HFPO-DA (GenX)	1.1	U	1.1	0.39	ng/L		07/25/24 11:51	07/29/24 22:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.5	U	1.5	0.18	ng/L		07/25/24 11:51	07/29/24 22:02	1
PFMBA	1.5	U	1.5	0.15	ng/L		07/25/24 11:51	07/29/24 22:02	1
NFDHA	1.5	U	1.5	0.39	ng/L		07/25/24 11:51	07/29/24 22:02	1
PFMPA	1.5	U	1.5	0.11	ng/L		07/25/24 11:51	07/29/24 22:02	1
9Cl-PF3ONS	1.5	U	1.5	0.21	ng/L		07/25/24 11:51	07/29/24 22:02	1
11Cl-PF3OUdS	1.5	U	1.5	0.21	ng/L		07/25/24 11:51	07/29/24 22:02	1
PFEESA	1.5	U	1.5	0.13	ng/L		07/25/24 11:51	07/29/24 22:02	1
3:3 FTCA	3.0	U	3.0	0.46	ng/L		07/25/24 11:51	07/29/24 22:02	1
5:3 FTCA	7.4	U	7.4	0.54	ng/L		07/25/24 11:51	07/29/24 22:02	1
7:3 FTCA	7.4	U	7.4	1.1	ng/L		07/25/24 11:51	07/29/24 22:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84.0*		*5 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C5 PFPeA	*85.2*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C5 PFHxA	*86.0*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C4 PFHpA	*92.0*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C8 PFOA	*81.9*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*

Client Sample ID: REAGENT-071824
Lab Sample ID: 480-221807-6
Date Collected: 07/18/24 09:50
Matrix: Water
Date Received: 07/19/24 10:45

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C9 PFNA	*82.3*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C6 PFDA	*85.5*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C7 PFUnA	*83.0*		*30 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C2 PFDoA	*78.7*		*10 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C2 PFTeDA	*73.8*		*10 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C3 PFBS	*83.8*		*40 - 135*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C3 PFHxS	*80.4*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C8 PFOS	*82.1*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C8 FOSA	*68.6*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
d3-NMeFOSAA	*80.2*		*40 - 170*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
d5-NEtFOSAA	*81.6*		*25 - 135*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
M2-4:2 FTS	*78.3*		*40 - 200*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
M2-6:2 FTS	*91.3*		*40 - 200*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
M2-8:2 FTS	*89.5*		*40 - 300*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
13C3 HFPO-DA	*89.2*		*40 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
d7-N-MeFOSE-M	*70.6*		*10 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
d9-N-EtFOSE-M	*68.1*		*10 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
d5-NEtPFOSA	*63.2*		*10 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*
d3-NMePFOSA	*61.9*		*10 - 130*	*07/25/24 11:51*	*07/29/24 22:02*	*1*

Client Sample ID: TB-02-071824
Lab Sample ID: 480-221807-7
Date Collected: 07/18/24 00:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/22/24 18:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/22/24 18:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/22/24 18:03	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/22/24 18:03	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/22/24 18:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/24 18:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/22/24 18:03	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/22/24 18:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/22/24 18:03	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 18:03	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/22/24 18:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/22/24 18:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/22/24 18:03	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/22/24 18:03	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/22/24 18:03	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/22/24 18:03	1
Acetone	10	U	10	3.0	ug/L			07/22/24 18:03	1
Benzene	1.0	U	1.0	0.41	ug/L			07/22/24 18:03	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/22/24 18:03	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/22/24 18:03	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/22/24 18:03	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/22/24 18:03	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/22/24 18:03	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: TB-02-071824
Lab Sample ID: 480-221807-7
Date Collected: 07/18/24 00:00
Matrix: Water
Date Received: 07/19/24 10:45

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/22/24 18:03	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/22/24 18:03	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/22/24 18:03	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/22/24 18:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/22/24 18:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/24 18:03	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/22/24 18:03	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/22/24 18:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/22/24 18:03	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/22/24 18:03	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/22/24 18:03	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/22/24 18:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/22/24 18:03	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/22/24 18:03	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/22/24 18:03	1
Styrene	1.0	U	1.0	0.73	ug/L			07/22/24 18:03	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			07/22/24 18:03	1
Toluene	**0.66**	**J**	1.0	0.51	ug/L			07/22/24 18:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/22/24 18:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/22/24 18:03	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/22/24 18:03	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/22/24 18:03	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/22/24 18:03	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/22/24 18:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*			*N/A*		*07/22/24 18:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*07/22/24 18:03*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*07/22/24 18:03*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*07/22/24 18:03*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*07/22/24 18:03*	*1*

Surrogate Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-221807-1	GW-MW-3-071824	94	106	98	99
480-221807-1 MS	GW-MW-3-071824-MS	101	105	99	102
480-221807-1 MSD	GW-MW-3-071824-MSD	99	102	98	99
480-221807-2	GW-MW-1-071824	96	104	95	96
480-221807-3	GW-PES-2-071824	94	105	97	98
480-221807-4	FD-071824	100	107	96	97
480-221807-5	EB-071824	107	94	108	108
480-221807-7	TB-02-071824	109	96	108	107
LCS 480-719153/7	Lab Control Sample	96	101	99	97
LCS 480-719182/6	Lab Control Sample	106	98	103	103
MB 480-719153/9	Method Blank	97	108	97	97
MB 480-719182/8	Method Blank	107	97	106	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(25-144)	(53-126)	(24-120)	(29-129)	(10-120)	(33-132)
480-221807-1	GW-MW-3-071824	111	83	57	74	43	90
480-221807-1 MS	GW-MW-3-071824-MS	129	87	65	83	54	95
480-221807-1 MSD	GW-MW-3-071824-MSD	113	74	53	70	44	86
480-221807-2	GW-MW-1-071824	120	85	57	76	45	95
480-221807-3	GW-PES-2-071824	119	96	73	90	54	95
480-221807-4	FD-071824	114	86	56	73	46	95
480-221807-5	EB-071824	101	78	53	69	41	96
LCS 480-719187/2-A	Lab Control Sample	124	87	60	81	50	106
LCSD 480-719187/3-A	Lab Control Sample Dup	116	77	56	74	45	98
MB 480-719187/1-A	Method Blank	100	81	56	74	43	94

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-120)	(10-120)	(10-120)	(10-120)
480-221807-1	GW-MW-3-071824	54	54	50	47

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-120)	DCBP2 (10-120)	TCX1 (10-120)	TCX2 (10-120)
480-221807-1 MS	GW-MW-3-071824-MS	68	72	46	41
480-221807-1 MSD	GW-MW-3-071824-MSD	62	62	51	47
480-221807-2	GW-MW-1-071824	43	42	41	35
480-221807-3	GW-PES-2-071824	47	46	48	42
480-221807-4	FD-071824	33	33	46	43
480-221807-5	EB-071824	48	43	52	46
LCS 480-719061/2-A	Lab Control Sample	43	47	46	41
MB 480-719061/1-A	Method Blank	45	48	45	42

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-123)	DCBP2 (10-123)	TCX1 (10-145)	TCX2 (10-145)
480-221807-1	GW-MW-3-071824	58	59	61	71
480-221807-1 MS	GW-MW-3-071824-MS	48	50	65	67
480-221807-1 MSD	GW-MW-3-071824-MSD	48	49	59	62
480-221807-2	GW-MW-1-071824	42	44	66	78
480-221807-3	GW-PES-2-071824	57	59	59	69
480-221807-4	FD-071824	55	56	59	68
480-221807-5	EB-071824	54	55	55	69
LCS 480-719063/2-A	Lab Control Sample	43	42	63	67
MB 480-719063/1-A	Method Blank	35	36	50	56

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Isotope Dilution Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	DXE (15-110)							
480-221807-1	GW-MW-3-071824	32							
480-221807-1 MS	GW-MW-3-071824-MS	29							
480-221807-1 MSD	GW-MW-3-071824-MSD	30							
480-221807-2	GW-MW-1-071824	27							
480-221807-3	GW-PES-2-071824	28							
480-221807-4	FD-071824	28							
480-221807-5	EB-071824	28							
LCS 480-719258/2-A	Lab Control Sample	29							
MB 480-719258/1-A	Method Blank	29							

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

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)
480-221807-1	GW-MW-3-071824	78.0	78.1	77.9	80.9	74.1	77.0	75.0	72.0
480-221807-1 MS	GW-MW-3-071824-MS	78.7	79.4	80.6	85.8	81.2	77.5	77.2	77.4
480-221807-1 MSD	GW-MW-3-071824-MSD	78.4	80.2	78.9	83.2	80.1	73.5	71.8	68.0
480-221807-2	GW-MW-1-071824	70.7	62.5	67.6	72.7	73.9	69.6	73.2	73.6
480-221807-3	GW-PES-2-071824	82.6	85.8	85.1	87.1	86.4	82.9	81.7	81.8
480-221807-4	FD-071824	78.7	75.1	78.4	82.7	80.5	83.6	82.5	82.2
480-221807-5	EB-071824	81.7	86.3	82.8	88.8	81.2	80.0	78.2	77.6
480-221807-6	REAGENT-071824	84.0	85.2	86.0	92.0	81.9	82.3	85.5	83.0
LCS 280-661649/3-A	Lab Control Sample	80.6	83.1	80.7	82.9	80.7	76.0	83.2	80.2
LLCS 280-661649/2-A	Lab Control Sample	77.8	79.3	79.0	83.9	76.0	77.5	81.0	77.0
MB 280-661649/1-A	Method Blank	77.9	80.7	80.4	81.3	80.4	77.5	79.2	76.2

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (10-130)	PFTDA (10-130)	C3PFBS (40-135)	C3PFHS (40-130)	C8PFOS (40-130)	PFOSA (40-130)	d3NMFOS (40-170)	d5NEFOS (25-135)
480-221807-1	GW-MW-3-071824	67.8	63.8	83.2	80.6	69.3	70.7	70.6	71.0
480-221807-1 MS	GW-MW-3-071824-MS	71.5	71.9	81.3	78.6	73.0	75.0	77.6	79.0
480-221807-1 MSD	GW-MW-3-071824-MSD	63.5	60.9	78.1	74.9	70.3	74.9	67.4	70.1
480-221807-2	GW-MW-1-071824	66.6	63.4	70.3	69.1	69.5	69.0	75.6	71.9
480-221807-3	GW-PES-2-071824	76.1	78.2	88.0	84.9	80.6	73.9	80.4	76.7
480-221807-4	FD-071824	79.9	72.7	81.8	83.0	80.2	70.7	82.1	81.3
480-221807-5	EB-071824	75.9	71.0	82.1	77.2	76.6	71.1	79.6	79.3
480-221807-6	REAGENT-071824	78.7	73.8	83.8	80.4	82.1	68.6	80.2	81.6
LCS 280-661649/3-A	Lab Control Sample	74.8	74.5	81.9	79.0	76.2	70.9	65.2	71.3
LLCS 280-661649/2-A	Lab Control Sample	69.3	71.0	75.2	72.0	77.7	68.7	70.8	69.9
MB 280-661649/1-A	Method Blank	67.8	67.5	76.3	79.2	75.0	67.3	66.5	66.9

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M242FTS (40-200)	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)
480-221807-1	GW-MW-3-071824	82.3	82.7	82.7	78.9	60.4	56.9	55.7	60.3
480-221807-1 MS	GW-MW-3-071824-MS	86.3	89.3	82.1	79.9	67.5	65.7	60.7	60.4
480-221807-1 MSD	GW-MW-3-071824-MSD	80.0	80.4	79.6	84.9	60.8	58.5	57.6	57.5

Isotope Dilution Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M242FTS (40-200)	M262FTS (40-200)	M282FTS (40-300)	HFPODA (40-130)	NMFM (10-130)	NEFM (10-130)	d5NPFSA (10-130)	d3NMFSA (10-130)
480-221807-2	GW-MW-1-071824	106	95.0	78.4	65.5	56.2	59.0	53.1	53.2
480-221807-3	GW-PES-2-071824	87.6	96.7	90.4	87.1	67.5	65.4	61.3	59.7
480-221807-4	FD-071824	114	108	91.3	81.9	63.8	64.8	59.6	63.5
480-221807-5	EB-071824	83.2	89.6	85.5	91.9	67.4	65.7	59.7	60.1
480-221807-6	REAGENT-071824	78.3	91.3	89.5	89.2	70.6	68.1	63.2	61.9
LCS 280-661649/3-A	Lab Control Sample	77.7	82.2	77.1	86.4	70.4	72.0	59.4	57.6
LLCS 280-661649/2-A	Lab Control Sample	73.8	76.9	82.9	80.1	66.4	68.4	59.2	56.5
MB 280-661649/1-A	Method Blank	73.5	81.3	74.8	79.0	62.3	64.7	52.6	52.1

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
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-719153/9
Matrix: Water
Analysis Batch: 719153

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/22/24 14:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 14:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/22/24 14:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/22/24 14:01	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/22/24 14:01	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/22/24 14:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/24 14:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/22/24 14:01	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/22/24 14:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/22/24 14:01	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 14:01	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/22/24 14:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/22/24 14:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/22/24 14:01	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/22/24 14:01	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/22/24 14:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/22/24 14:01	1
Acetone	10	U	10	3.0	ug/L			07/22/24 14:01	1
Benzene	1.0	U	1.0	0.41	ug/L			07/22/24 14:01	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/22/24 14:01	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/22/24 14:01	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/22/24 14:01	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/22/24 14:01	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/22/24 14:01	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/22/24 14:01	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/22/24 14:01	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/22/24 14:01	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/22/24 14:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/22/24 14:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/24 14:01	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/22/24 14:01	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/22/24 14:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/22/24 14:01	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/22/24 14:01	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/22/24 14:01	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/22/24 14:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/22/24 14:01	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/22/24 14:01	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/22/24 14:01	1
Styrene	1.0	U	1.0	0.73	ug/L			07/22/24 14:01	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			07/22/24 14:01	1
Toluene	1.0	U	1.0	0.51	ug/L			07/22/24 14:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/22/24 14:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/22/24 14:01	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/22/24 14:01	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/22/24 14:01	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/22/24 14:01	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/22/24 14:01	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-719153/9
Matrix: Water
Analysis Batch: 719153

Client Sample ID: Method Blank
Prep Type: Total/NA

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		07/22/24 14:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		07/22/24 14:01	1
4-Bromofluorobenzene (Surr)	108		73 - 120		07/22/24 14:01	1
Dibromofluoromethane (Surr)	97		75 - 123		07/22/24 14:01	1
Toluene-d8 (Surr)	97		80 - 120		07/22/24 14:01	1

Lab Sample ID: LCS 480-719153/7
Matrix: Water
Analysis Batch: 719153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	27.8		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.2		ug/L		109	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.0		ug/L		108	61 - 148
1,1,2-Trichloroethane	25.0	28.5		ug/L		114	76 - 122
1,1-Dichloroethane	25.0	28.1		ug/L		112	77 - 120
1,1-Dichloroethene	25.0	28.8		ug/L		115	66 - 127
1,2,4-Trichlorobenzene	25.0	26.6		ug/L		107	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.7		ug/L		111	56 - 134
1,2-Dibromoethane	25.0	27.9		ug/L		112	77 - 120
1,2-Dichlorobenzene	25.0	27.3		ug/L		109	80 - 124
1,2-Dichloroethane	25.0	27.7		ug/L		111	75 - 120
1,2-Dichloropropane	25.0	28.5		ug/L		114	76 - 120
1,3-Dichlorobenzene	25.0	27.3		ug/L		109	77 - 120
1,4-Dichlorobenzene	25.0	27.0		ug/L		108	80 - 120
2-Butanone (MEK)	125	144		ug/L		115	57 - 140
2-Hexanone	125	128		ug/L		102	65 - 127
4-Methyl-2-pentanone (MIBK)	125	133		ug/L		106	71 - 125
Acetone	125	136		ug/L		109	56 - 142
Benzene	25.0	27.4		ug/L		109	71 - 124
Bromodichloromethane	25.0	29.3		ug/L		117	80 - 122
Bromoform	25.0	32.2		ug/L		129	61 - 132
Bromomethane	25.0	26.1		ug/L		105	55 - 144
Carbon disulfide	25.0	26.1		ug/L		104	59 - 134
Carbon tetrachloride	25.0	27.6		ug/L		110	72 - 134
Chlorobenzene	25.0	27.4		ug/L		109	80 - 120
Chloroethane	25.0	26.7		ug/L		107	69 - 136
Chloroform	25.0	25.2		ug/L		101	73 - 127
Chloromethane	25.0	25.8		ug/L		103	68 - 124
cis-1,2-Dichloroethene	25.0	28.0		ug/L		112	74 - 124
cis-1,3-Dichloropropene	25.0	29.0		ug/L		116	74 - 124
Cyclohexane	25.0	26.4		ug/L		106	59 - 135
Dibromochloromethane	25.0	29.9		ug/L		120	75 - 125
Dichlorodifluoromethane	25.0	22.8		ug/L		91	59 - 135
Ethylbenzene	25.0	27.0		ug/L		108	77 - 123

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-719153/7
Matrix: Water
Analysis Batch: 719153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Isopropylbenzene	25.0	26.9		ug/L		107	77 - 122
Methyl acetate	50.0	56.5		ug/L		113	74 - 133
Methyl tert-butyl ether	25.0	27.3		ug/L		109	77 - 120
Methylcyclohexane	25.0	26.8		ug/L		107	68 - 134
Methylene Chloride	25.0	28.1		ug/L		112	75 - 124
Styrene	25.0	28.3		ug/L		113	80 - 120
Tetrachloroethene	25.0	29.0		ug/L		116	74 - 122
Toluene	25.0	27.5		ug/L		110	80 - 122
trans-1,2-Dichloroethene	25.0	28.0		ug/L		112	73 - 127
Trichloroethene	25.0	27.5		ug/L		110	74 - 123
Trichlorofluoromethane	25.0	27.0		ug/L		108	62 - 150
Vinyl chloride	25.0	27.3		ug/L		109	65 - 133
Xylenes, Total	50.0	55.6		ug/L		111	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: 480-221807-1 MS
Matrix: Water
Analysis Batch: 719153

Client Sample ID: GW-MW-3-071824-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	1.0	U F1	25.0	32.9	F1	ug/L		132	73 - 126
1,1,2,2-Tetrachloroethane	1.0	U F1	25.0	30.0		ug/L		120	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	33.4		ug/L		134	61 - 148
1,1,2-Trichloroethane	1.0	U F1	25.0	32.0	F1	ug/L		128	76 - 122
1,1-Dichloroethane	1.0	U F1	25.0	32.8	F1	ug/L		131	77 - 120
1,1-Dichloroethene	1.0	U F1	25.0	36.2	F1	ug/L		145	66 - 127
1,2,4-Trichlorobenzene	1.0	U F1	25.0	32.8	F1	ug/L		131	79 - 122
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	32.4		ug/L		130	56 - 134
1,2-Dibromoethane	1.0	U F1	25.0	30.0		ug/L		120	77 - 120
1,2-Dichlorobenzene	1.0	U F1	25.0	31.4	F1	ug/L		126	80 - 124
1,2-Dichloroethane	1.0	U F1	25.0	30.9	F1	ug/L		124	75 - 120
1,2-Dichloropropane	1.0	U F1	25.0	30.6	F1	ug/L		122	76 - 120
1,3-Dichlorobenzene	1.0	U F1	25.0	31.1	F1	ug/L		125	77 - 120
1,4-Dichlorobenzene	1.0	U	25.0	30.2		ug/L		121	78 - 124
2-Butanone (MEK)	10	U	125	162		ug/L		130	57 - 140
2-Hexanone	5.0	U	125	140		ug/L		112	65 - 127
4-Methyl-2-pentanone (MIBK)	5.0	U	125	154		ug/L		123	71 - 125
Acetone	10	U F2 F1	125	194	F1	ug/L		155	56 - 142
Benzene	1.0	U F1	25.0	31.9	F1	ug/L		128	71 - 124
Bromodichloromethane	1.0	U F1	25.0	31.6	F1	ug/L		126	80 - 122
Bromoform	1.0	U F1	25.0	31.1		ug/L		124	61 - 132
Bromomethane	1.0	U	25.0	27.6		ug/L		111	55 - 144
Carbon disulfide	1.0	U	25.0	30.2		ug/L		121	59 - 134

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-221807-1 MS
Matrix: Water
Analysis Batch: 719153

Client Sample ID: GW-MW-3-071824-MS
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	1.0	U	25.0	33.1		ug/L		132	72 - 134
Chlorobenzene	1.0	U F1	25.0	31.3	F1	ug/L		125	80 - 120
Chloroethane	1.0	U	25.0	28.5		ug/L		114	69 - 136
Chloroform	1.0	U	25.0	28.4		ug/L		113	73 - 127
Chloromethane	1.0	U F1	25.0	31.7	F1	ug/L		127	68 - 124
cis-1,2-Dichloroethene	0.91	J F1	25.0	33.1	F1	ug/L		129	74 - 124
cis-1,3-Dichloropropene	1.0	U F1	25.0	31.2	F1	ug/L		125	74 - 124
Cyclohexane	1.0	U	25.0	32.1		ug/L		129	59 - 135
Dibromochloromethane	1.0	U F1	25.0	31.2		ug/L		125	75 - 125
Dichlorodifluoromethane	1.0	U	25.0	28.7		ug/L		115	59 - 135
Ethylbenzene	1.0	U F1	25.0	32.2	F1	ug/L		129	77 - 123
Isopropylbenzene	1.0	U F1	25.0	32.0	F1	ug/L		128	77 - 122
Methyl acetate	2.5	U	50.0	61.4		ug/L		123	74 - 133
Methyl tert-butyl ether	1.0	U F1	25.0	30.6	F1	ug/L		122	77 - 120
Methylcyclohexane	1.0	U	25.0	32.6		ug/L		131	68 - 134
Methylene Chloride	1.0	U F1	25.0	31.6	F1	ug/L		126	75 - 124
Styrene	1.0	U F1	25.0	31.9	F1	ug/L		127	80 - 120
Tetrachloroethene	25	F1	25.0	58.9	F1	ug/L		135	74 - 122
Toluene	1.0	U F1	25.0	31.6	F1	ug/L		126	80 - 122
trans-1,2-Dichloroethene	1.0	U F1	25.0	33.0	F1	ug/L		132	73 - 127
Trichloroethene	1.0	U F1	25.0	31.9	F1	ug/L		128	74 - 123
Trichlorofluoromethane	1.0	U	25.0	33.9		ug/L		136	62 - 150
Vinyl chloride	1.0	U F1	25.0	34.0	F1	ug/L		136	65 - 133
Xylenes, Total	2.0	U F1	50.0	63.7	F1	ug/L		127	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 480-221807-1 MSD
Matrix: Water
Analysis Batch: 719153

Client Sample ID: GW-MW-3-071824-MSD
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U F1	25.0	32.9	F1	ug/L		132	73 - 126	0	15
1,1,2,2-Tetrachloroethane	1.0	U F1	25.0	31.2	F1	ug/L		125	76 - 120	4	15
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	25.0	31.8		ug/L		127	61 - 148	5	20
1,1,2-Trichloroethane	1.0	U F1	25.0	32.6	F1	ug/L		131	76 - 122	2	15
1,1-Dichloroethane	1.0	U F1	25.0	31.6	F1	ug/L		126	77 - 120	4	20
1,1-Dichloroethene	1.0	U F1	25.0	33.5	F1	ug/L		134	66 - 127	8	16
1,2,4-Trichlorobenzene	1.0	U F1	25.0	30.6		ug/L		122	79 - 122	7	20
1,2-Dibromo-3-Chloropropane	1.0	U	25.0	32.3		ug/L		129	56 - 134	0	15
1,2-Dibromoethane	1.0	U F1	25.0	30.3	F1	ug/L		121	77 - 120	1	15
1,2-Dichlorobenzene	1.0	U F1	25.0	31.9	F1	ug/L		128	80 - 124	2	20
1,2-Dichloroethane	1.0	U F1	25.0	31.6	F1	ug/L		126	75 - 120	2	20
1,2-Dichloropropane	1.0	U F1	25.0	30.8	F1	ug/L		123	76 - 120	1	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-221807-1 MSD
Client Sample ID: GW-MW-3-071824-MSD
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 719153

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,3-Dichlorobenzene	1.0	U F1	25.0	31.7	F1	ug/L		127	77 - 120	2	20
1,4-Dichlorobenzene	1.0	U	25.0	30.9		ug/L		124	78 - 124	2	20
2-Butanone (MEK)	10	U	125	160		ug/L		128	57 - 140	1	20
2-Hexanone	5.0	U	125	144		ug/L		115	65 - 127	3	15
4-Methyl-2-pentanone (MIBK)	5.0	U	125	155		ug/L		124	71 - 125	1	35
Acetone	10	U F2 F1	125	131	F2	ug/L		105	56 - 142	39	15
Benzene	1.0	U F1	25.0	31.3	F1	ug/L		125	71 - 124	2	13
Bromodichloromethane	1.0	U F1	25.0	32.5	F1	ug/L		130	80 - 122	3	15
Bromoform	1.0	U F1	25.0	33.7	F1	ug/L		135	61 - 132	8	15
Bromomethane	1.0	U	25.0	29.3		ug/L		117	55 - 144	6	15
Carbon disulfide	1.0	U	25.0	29.2		ug/L		117	59 - 134	3	15
Carbon tetrachloride	1.0	U	25.0	32.8		ug/L		131	72 - 134	1	15
Chlorobenzene	1.0	U F1	25.0	31.3	F1	ug/L		125	80 - 120	0	25
Chloroethane	1.0	U	25.0	32.9		ug/L		132	69 - 136	14	15
Chloroform	1.0	U	25.0	27.9		ug/L		111	73 - 127	2	20
Chloromethane	1.0	U F1	25.0	32.4	F1	ug/L		130	68 - 124	2	15
cis-1,2-Dichloroethene	0.91	J F1	25.0	31.9		ug/L		124	74 - 124	3	15
cis-1,3-Dichloropropene	1.0	U F1	25.0	31.5	F1	ug/L		126	74 - 124	1	15
Cyclohexane	1.0	U	25.0	31.8		ug/L		127	59 - 135	1	20
Dibromochloromethane	1.0	U F1	25.0	32.7	F1	ug/L		131	75 - 125	5	15
Dichlorodifluoromethane	1.0	U	25.0	28.5		ug/L		114	59 - 135	1	20
Ethylbenzene	1.0	U F1	25.0	31.2	F1	ug/L		125	77 - 123	3	15
Isopropylbenzene	1.0	U F1	25.0	33.0	F1	ug/L		132	77 - 122	3	20
Methyl acetate	2.5	U	50.0	56.4		ug/L		113	74 - 133	9	20
Methyl tert-butyl ether	1.0	U F1	25.0	30.0		ug/L		120	77 - 120	2	37
Methylcyclohexane	1.0	U	25.0	31.1		ug/L		125	68 - 134	5	20
Methylene Chloride	1.0	U F1	25.0	30.9		ug/L		124	75 - 124	2	15
Styrene	1.0	U F1	25.0	31.3	F1	ug/L		125	80 - 120	2	20
Tetrachloroethene	25	F1	25.0	58.4	F1	ug/L		133	74 - 122	1	20
Toluene	1.0	U F1	25.0	31.3	F1	ug/L		125	80 - 122	1	15
trans-1,2-Dichloroethene	1.0	U F1	25.0	32.0	F1	ug/L		128	73 - 127	3	20
Trichloroethene	1.0	U F1	25.0	32.1	F1	ug/L		128	74 - 123	0	16
Trichlorofluoromethane	1.0	U	25.0	33.7		ug/L		135	62 - 150	1	20
Vinyl chloride	1.0	U F1	25.0	34.8	F1	ug/L		139	65 - 133	2	15
Xylenes, Total	2.0	U F1	50.0	63.1	F1	ug/L		126	76 - 122	1	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 480-719182/8
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 719182

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/22/24 15:50	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-719182/8
Matrix: Water
Analysis Batch: 719182

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 15:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/22/24 15:50	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/22/24 15:50	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/22/24 15:50	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/22/24 15:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/24 15:50	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/22/24 15:50	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/22/24 15:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/22/24 15:50	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/24 15:50	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/22/24 15:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/22/24 15:50	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/22/24 15:50	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/22/24 15:50	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/22/24 15:50	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/22/24 15:50	1
Acetone	10	U	10	3.0	ug/L			07/22/24 15:50	1
Benzene	1.0	U	1.0	0.41	ug/L			07/22/24 15:50	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/22/24 15:50	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/22/24 15:50	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/22/24 15:50	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/22/24 15:50	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/22/24 15:50	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/22/24 15:50	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/22/24 15:50	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/22/24 15:50	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/22/24 15:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/22/24 15:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/24 15:50	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/22/24 15:50	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/22/24 15:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/22/24 15:50	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/22/24 15:50	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/22/24 15:50	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/22/24 15:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/22/24 15:50	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/22/24 15:50	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/22/24 15:50	1
Styrene	1.0	U	1.0	0.73	ug/L			07/22/24 15:50	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			07/22/24 15:50	1
Toluene	1.0	U	1.0	0.51	ug/L			07/22/24 15:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/22/24 15:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/22/24 15:50	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/22/24 15:50	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/22/24 15:50	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/22/24 15:50	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/22/24 15:50	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-719182/8
Matrix: Water
Analysis Batch: 719182

Client Sample ID: Method Blank
Prep Type: Total/NA

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		07/22/24 15:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		07/22/24 15:50	1
4-Bromofluorobenzene (Surr)	97		73 - 120		07/22/24 15:50	1
Dibromofluoromethane (Surr)	106		75 - 123		07/22/24 15:50	1
Toluene-d8 (Surr)	106		80 - 120		07/22/24 15:50	1

Lab Sample ID: LCS 480-719182/6
Matrix: Water
Analysis Batch: 719182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.2		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.1		ug/L		108	61 - 148
1,1,2-Trichloroethane	25.0	23.6		ug/L		94	76 - 122
1,1-Dichloroethane	25.0	24.4		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	25.4		ug/L		102	66 - 127
1,2,4-Trichlorobenzene	25.0	29.7		ug/L		119	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	31.0		ug/L		124	56 - 134
1,2-Dibromoethane	25.0	24.3		ug/L		97	77 - 120
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	24.3		ug/L		97	75 - 120
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	24.0		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.3		ug/L		93	80 - 120
2-Butanone (MEK)	125	130		ug/L		104	57 - 140
2-Hexanone	125	129		ug/L		103	65 - 127
4-Methyl-2-pentanone (MIBK)	125	136		ug/L		109	71 - 125
Acetone	125	128		ug/L		102	56 - 142
Benzene	25.0	23.9		ug/L		96	71 - 124
Bromodichloromethane	25.0	25.4		ug/L		101	80 - 122
Bromoform	25.0	29.0		ug/L		116	61 - 132
Bromomethane	25.0	28.7		ug/L		115	55 - 144
Carbon disulfide	25.0	24.4		ug/L		98	59 - 134
Carbon tetrachloride	25.0	27.9		ug/L		112	72 - 134
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120
Chloroethane	25.0	27.8		ug/L		111	69 - 136
Chloroform	25.0	22.9		ug/L		92	73 - 127
Chloromethane	25.0	26.5		ug/L		106	68 - 124
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	24.0		ug/L		96	74 - 124
Cyclohexane	25.0	25.8		ug/L		103	59 - 135
Dibromochloromethane	25.0	27.2		ug/L		109	75 - 125
Dichlorodifluoromethane	25.0	28.4		ug/L		114	59 - 135
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-719182/6
Matrix: Water
Analysis Batch: 719182

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Isopropylbenzene	25.0	24.9		ug/L		100	77 - 122
Methyl acetate	50.0	51.1		ug/L		102	74 - 133
Methyl tert-butyl ether	25.0	23.1		ug/L		92	77 - 120
Methylcyclohexane	25.0	25.5		ug/L		102	68 - 134
Methylene Chloride	25.0	24.7		ug/L		99	75 - 124
Styrene	25.0	23.5		ug/L		94	80 - 120
Tetrachloroethene	25.0	25.1		ug/L		101	74 - 122
Toluene	25.0	23.1		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	73 - 127
Trichloroethene	25.0	24.1		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	29.0		ug/L		116	62 - 150
Vinyl chloride	25.0	27.5		ug/L		110	65 - 133
Xylenes, Total	50.0	47.6		ug/L		95	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*
Toluene-d8 (Surr)	*103*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-719187/1-A
Matrix: Water
Analysis Batch: 719409

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	10	U	10	1.1	ug/L		07/22/24 13:14	07/25/24 02:43	1
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 02:43	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		07/22/24 13:14	07/25/24 02:43	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 02:43	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		07/22/24 13:14	07/25/24 02:43	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 02:43	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 02:43	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 02:43	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 02:43	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		07/22/24 13:14	07/25/24 02:43	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		07/22/24 13:14	07/25/24 02:43	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 02:43	1
2-Nitroaniline	10	U	10	0.42	ug/L		07/22/24 13:14	07/25/24 02:43	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		07/22/24 13:14	07/25/24 02:43	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 02:43	1
3-Nitroaniline	10	U	10	0.48	ug/L		07/22/24 13:14	07/25/24 02:43	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 02:43	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 02:43	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		07/22/24 13:14	07/25/24 02:43	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 02:43	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 02:43	1
4-Methylphenol	10	U	10	0.36	ug/L		07/22/24 13:14	07/25/24 02:43	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-719187/1-A
Matrix: Water
Analysis Batch: 719409

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719187

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	10	U	10	0.25	ug/L		07/22/24 13:14	07/25/24 02:43	1
4-Nitrophenol	10	U	10	1.5	ug/L		07/22/24 13:14	07/25/24 02:43	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		07/22/24 13:14	07/25/24 02:43	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		07/22/24 13:14	07/25/24 02:43	1
Acetophenone	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 02:43	1
Anthracene	5.0	U	5.0	0.28	ug/L		07/22/24 13:14	07/25/24 02:43	1
Atrazine	5.0	U	5.0	0.46	ug/L		07/22/24 13:14	07/25/24 02:43	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		07/22/24 13:14	07/25/24 02:43	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 02:43	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 02:43	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 02:43	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 02:43	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		07/22/24 13:14	07/25/24 02:43	1
Biphenyl	5.0	U	5.0	0.65	ug/L		07/22/24 13:14	07/25/24 02:43	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		07/22/24 13:14	07/25/24 02:43	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		07/22/24 13:14	07/25/24 02:43	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 02:43	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 02:43	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		07/22/24 13:14	07/25/24 02:43	1
Caprolactam	5.0	U	5.0	2.2	ug/L		07/22/24 13:14	07/25/24 02:43	1
Carbazole	5.0	U	5.0	0.30	ug/L		07/22/24 13:14	07/25/24 02:43	1
Chrysene	5.0	U	5.0	0.33	ug/L		07/22/24 13:14	07/25/24 02:43	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		07/22/24 13:14	07/25/24 02:43	1
Dibenzofuran	10	U	10	0.51	ug/L		07/22/24 13:14	07/25/24 02:43	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		07/22/24 13:14	07/25/24 02:43	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 02:43	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		07/22/24 13:14	07/25/24 02:43	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 02:43	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		07/22/24 13:14	07/25/24 02:43	1
Fluorene	5.0	U	5.0	0.36	ug/L		07/22/24 13:14	07/25/24 02:43	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 02:43	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		07/22/24 13:14	07/25/24 02:43	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 02:43	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		07/22/24 13:14	07/25/24 02:43	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		07/22/24 13:14	07/25/24 02:43	1
Isophorone	5.0	U	5.0	0.43	ug/L		07/22/24 13:14	07/25/24 02:43	1
Naphthalene	5.0	U	5.0	0.76	ug/L		07/22/24 13:14	07/25/24 02:43	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		07/22/24 13:14	07/25/24 02:43	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		07/22/24 13:14	07/25/24 02:43	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		07/22/24 13:14	07/25/24 02:43	1
Pentachlorophenol	10	U	10	2.2	ug/L		07/22/24 13:14	07/25/24 02:43	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		07/22/24 13:14	07/25/24 02:43	1
Phenol	5.0	U	5.0	0.39	ug/L		07/22/24 13:14	07/25/24 02:43	1
Pyrene	5.0	U	5.0	0.34	ug/L		07/22/24 13:14	07/25/24 02:43	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Furan, tetrahydro-	*4.44*	*T J N*	*ug/L*		*3.12*	*109-99-9*	*07/22/24 13:14*	*07/25/24 02:43*	*1*
Unknown	*4.02*	*T J*	*ug/L*		*3.21*	*N/A*	*07/22/24 13:14*	*07/25/24 02:43*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-719187/1-A
Matrix: Water
Analysis Batch: 719409

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719187

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1.64	T J	ug/L		3.34	N/A	07/22/24 13:14	07/25/24 02:43	1
Cyclotrisiloxane, hexamethyl-	1.87	T J N	ug/L		4.59	541-05-9	07/22/24 13:14	07/25/24 02:43	1
Unknown	18.9	T J	ug/L		4.87	N/A	07/22/24 13:14	07/25/24 02:43	1
Unknown	2.30	T J	ug/L		5.30	N/A	07/22/24 13:14	07/25/24 02:43	1
Unknown	1.85	T J	ug/L		5.64	N/A	07/22/24 13:14	07/25/24 02:43	1
Cyclotetrasiloxane, octamethyl-	2.51	T J N	ug/L		6.10	556-67-2	07/22/24 13:14	07/25/24 02:43	1
Cyclopentasiloxane, decamethyl-	2.22	T J N	ug/L		7.42	541-02-6	07/22/24 13:14	07/25/24 02:43	1
Cyclohexasiloxane, dodecamethyl-	1.66	T J N	ug/L		8.52	540-97-6	07/22/24 13:14	07/25/24 02:43	1
Unknown	1.65	T J	ug/L		13.80	N/A	07/22/24 13:14	07/25/24 02:43	1
Unknown	1.71	T J	ug/L		14.23	N/A	07/22/24 13:14	07/25/24 02:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	100		25 - 144	07/22/24 13:14	07/25/24 02:43	1
2-Fluorobiphenyl	81		53 - 126	07/22/24 13:14	07/25/24 02:43	1
2-Fluorophenol	56		24 - 120	07/22/24 13:14	07/25/24 02:43	1
Nitrobenzene-d5	74		29 - 129	07/22/24 13:14	07/25/24 02:43	1
Phenol-d5	43		10 - 120	07/22/24 13:14	07/25/24 02:43	1
p-Terphenyl-d14	94		33 - 132	07/22/24 13:14	07/25/24 02:43	1

Lab Sample ID: LCS 480-719187/2-A
Matrix: Water
Analysis Batch: 719409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719187

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	32.0	16.6		ug/L		52	10 - 120
2,4,5-Trichlorophenol	32.0	30.2		ug/L		94	65 - 126
2,4,6-Trichlorophenol	32.0	30.8		ug/L		96	64 - 120
2,4-Dichlorophenol	32.0	25.5		ug/L		80	63 - 120
2,4-Dimethylphenol	32.0	35.7		ug/L		112	47 - 120
2,4-Dinitrophenol	64.0	80.4		ug/L		126	31 - 137
2,4-Dinitrotoluene	32.0	34.2		ug/L		107	69 - 120
2,6-Dinitrotoluene	32.0	31.5		ug/L		98	68 - 120
2-Chloronaphthalene	32.0	25.4		ug/L		79	58 - 120
2-Chlorophenol	32.0	23.7		ug/L		74	48 - 120
2-Methylnaphthalene	32.0	22.9		ug/L		71	59 - 120
2-Methylphenol	32.0	24.6		ug/L		77	39 - 120
2-Nitroaniline	32.0	31.1		ug/L		97	54 - 127
2-Nitrophenol	32.0	26.6		ug/L		83	52 - 125
3,3'-Dichlorobenzidine	64.0	65.8		ug/L		103	49 - 135
3-Nitroaniline	32.0	23.2		ug/L		73	51 - 120
4,6-Dinitro-2-methylphenol	64.0	78.7		ug/L		123	46 - 136
4-Bromophenyl phenyl ether	32.0	32.5		ug/L		102	65 - 120
4-Chloro-3-methylphenol	32.0	29.0		ug/L		91	61 - 123
4-Chloroaniline	32.0	22.2		ug/L		69	30 - 120
4-Chlorophenyl phenyl ether	32.0	29.8		ug/L		93	62 - 120
4-Methylphenol	32.0	23.0		ug/L		72	29 - 131
4-Nitroaniline	32.0	31.7		ug/L		99	65 - 120
4-Nitrophenol	64.0	55.2		ug/L		86	45 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-719187/2-A
Matrix: Water
Analysis Batch: 719409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719187

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	32.0	27.9		ug/L		87	60 - 120
Acenaphthylene	32.0	29.7		ug/L		93	63 - 120
Acetophenone	32.0	26.0		ug/L		81	45 - 120
Anthracene	32.0	32.2		ug/L		100	67 - 120
Atrazine	64.0	73.4		ug/L		115	71 - 130
Benzaldehyde	64.0	48.0		ug/L		75	10 - 140
Benzo[a]anthracene	32.0	33.2		ug/L		104	70 - 121
Benzo[a]pyrene	32.0	33.4		ug/L		104	60 - 123
Benzo[b]fluoranthene	32.0	34.5		ug/L		108	66 - 126
Benzo[g,h,i]perylene	32.0	37.2		ug/L		116	66 - 150
Benzo[k]fluoranthene	32.0	33.1		ug/L		103	65 - 124
Biphenyl	32.0	26.7		ug/L		84	59 - 120
bis (2-chloroisopropyl) ether	32.0	24.6		ug/L		77	21 - 136
Bis(2-chloroethoxy)methane	32.0	26.5		ug/L		83	50 - 128
Bis(2-chloroethyl)ether	32.0	28.2		ug/L		88	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	31.4		ug/L		98	63 - 139
Butyl benzyl phthalate	32.0	31.4		ug/L		98	70 - 129
Caprolactam	64.0	22.3		ug/L		35	22 - 120
Carbazole	32.0	36.9		ug/L		115	66 - 123
Chrysene	32.0	32.1		ug/L		100	69 - 120
Dibenz(a,h)anthracene	32.0	35.7		ug/L		112	65 - 135
Dibenzofuran	32.0	28.4		ug/L		89	66 - 120
Diethyl phthalate	32.0	34.0		ug/L		106	59 - 127
Dimethyl phthalate	32.0	32.8		ug/L		102	68 - 120
Di-n-butyl phthalate	32.0	34.2		ug/L		107	69 - 131
Di-n-octyl phthalate	32.0	32.3		ug/L		101	63 - 140
Fluoranthene	32.0	35.0		ug/L		109	69 - 126
Fluorene	32.0	29.8		ug/L		93	66 - 120
Hexachlorobenzene	32.0	36.1		ug/L		113	61 - 120
Hexachlorobutadiene	32.0	19.8		ug/L		62	35 - 120
Hexachlorocyclopentadiene	32.0	23.1		ug/L		72	31 - 120
Hexachloroethane	32.0	18.2		ug/L		57	33 - 120
Indeno[1,2,3-cd]pyrene	32.0	34.7		ug/L		108	69 - 146
Isophorone	32.0	28.4		ug/L		89	55 - 120
Naphthalene	32.0	25.0		ug/L		78	57 - 120
Nitrobenzene	32.0	26.9		ug/L		84	53 - 123
N-Nitrosodi-n-propylamine	32.0	26.3		ug/L		82	32 - 140
Pentachlorophenol	64.0	78.9		ug/L		123	10 - 136
Phenanthrene	32.0	33.0		ug/L		103	68 - 120
Phenol	32.0	16.4		ug/L		51	17 - 120
Pyrene	32.0	31.9		ug/L		100	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*124*		*25 - 144*
2-Fluorobiphenyl	*87*		*53 - 126*
2-Fluorophenol	*60*		*24 - 120*
Nitrobenzene-d5	*81*		*29 - 129*
Phenol-d5	*50*		*10 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-719187/2-A
Matrix: Water
Analysis Batch: 719409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719187

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl-d14	*106*		*33 - 132*

Lab Sample ID: LCSD 480-719187/3-A
Matrix: Water
Analysis Batch: 719409

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 719187

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane			32.0	15.7		ug/L		49	10 - 120	5	50
2,4,5-Trichlorophenol			32.0	26.4		ug/L		82	65 - 126	13	18
2,4,6-Trichlorophenol			32.0	27.2		ug/L		85	64 - 120	12	19
2,4-Dichlorophenol			32.0	23.5		ug/L		73	63 - 120	8	19
2,4-Dimethylphenol			32.0	31.6		ug/L		99	47 - 120	12	42
2,4-Dinitrophenol			64.0	75.3		ug/L		118	31 - 137	7	22
2,4-Dinitrotoluene			32.0	31.9		ug/L		100	69 - 120	7	20
2,6-Dinitrotoluene			32.0	28.5		ug/L		89	68 - 120	10	15
2-Chloronaphthalene			32.0	22.5		ug/L		70	58 - 120	12	21
2-Chlorophenol			32.0	21.7		ug/L		68	48 - 120	9	25
2-Methylnaphthalene			32.0	20.1		ug/L		63	59 - 120	13	21
2-Methylphenol			32.0	22.0		ug/L		69	39 - 120	11	27
2-Nitroaniline			32.0	28.3		ug/L		89	54 - 127	9	15
2-Nitrophenol			32.0	24.4		ug/L		76	52 - 125	9	18
3,3'-Dichlorobenzidine			64.0	59.8		ug/L		93	49 - 135	10	25
3-Nitroaniline			32.0	21.3		ug/L		66	51 - 120	9	19
4,6-Dinitro-2-methylphenol			64.0	73.2		ug/L		114	46 - 136	7	15
4-Bromophenyl phenyl ether			32.0	29.1		ug/L		91	65 - 120	11	15
4-Chloro-3-methylphenol			32.0	26.3		ug/L		82	61 - 123	10	27
4-Chloroaniline			32.0	20.0		ug/L		62	30 - 120	11	22
4-Chlorophenyl phenyl ether			32.0	25.9		ug/L		81	62 - 120	14	16
4-Methylphenol			32.0	21.0		ug/L		66	29 - 131	9	24
4-Nitroaniline			32.0	28.3		ug/L		88	65 - 120	12	24
4-Nitrophenol			64.0	54.9		ug/L		86	45 - 120	1	48
Acenaphthene			32.0	24.6		ug/L		77	60 - 120	13	24
Acenaphthylene			32.0	26.2		ug/L		82	63 - 120	12	18
Acetophenone			32.0	23.1		ug/L		72	45 - 120	12	20
Anthracene			32.0	30.0		ug/L		94	67 - 120	7	15
Atrazine			64.0	68.2		ug/L		107	71 - 130	7	20
Benzaldehyde			64.0	43.6		ug/L		68	10 - 140	9	20
Benzo[a]anthracene			32.0	30.4		ug/L		95	70 - 121	9	15
Benzo[a]pyrene			32.0	30.6		ug/L		96	60 - 123	9	15
Benzo[b]fluoranthene			32.0	32.0		ug/L		100	66 - 126	7	15
Benzo[g,h,i]perylene			32.0	34.4		ug/L		107	66 - 150	8	15
Benzo[k]fluoranthene			32.0	29.9		ug/L		94	65 - 124	10	22
Biphenyl			32.0	23.5		ug/L		73	59 - 120	13	20
bis (2-chloroisopropyl) ether			32.0	22.3		ug/L		70	21 - 136	10	24
Bis(2-chloroethoxy)methane			32.0	23.8		ug/L		74	50 - 128	10	17
Bis(2-chloroethyl)ether			32.0	25.1		ug/L		79	44 - 120	11	21
Bis(2-ethylhexyl) phthalate			32.0	29.0		ug/L		90	63 - 139	8	15
Butyl benzyl phthalate			32.0	28.8		ug/L		90	70 - 129	8	16

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-719187/3-A
Matrix: Water
Analysis Batch: 719409

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 719187

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Caprolactam			64.0	20.8		ug/L		32	22 - 120	7	20
Carbazole			32.0	34.2		ug/L		107	66 - 123	8	20
Chrysene			32.0	29.6		ug/L		92	69 - 120	8	15
Dibenz(a,h)anthracene			32.0	32.9		ug/L		103	65 - 135	8	15
Dibenzofuran			32.0	24.8		ug/L		77	66 - 120	14	15
Diethyl phthalate			32.0	31.4		ug/L		98	59 - 127	8	15
Dimethyl phthalate			32.0	30.4		ug/L		95	68 - 120	8	15
Di-n-butyl phthalate			32.0	31.1		ug/L		97	69 - 131	9	15
Di-n-octyl phthalate			32.0	29.7		ug/L		93	63 - 140	9	16
Fluoranthene			32.0	31.7		ug/L		99	69 - 126	10	15
Fluorene			32.0	26.1		ug/L		82	66 - 120	13	15
Hexachlorobenzene			32.0	33.1		ug/L		103	61 - 120	9	15
Hexachlorobutadiene			32.0	17.3		ug/L		54	35 - 120	14	44
Hexachlorocyclopentadiene			32.0	19.5		ug/L		61	31 - 120	17	49
Hexachloroethane			32.0	16.2		ug/L		51	33 - 120	12	46
Indeno[1,2,3-cd]pyrene			32.0	32.3		ug/L		101	69 - 146	7	15
Isophorone			32.0	25.6		ug/L		80	55 - 120	10	17
Naphthalene			32.0	22.5		ug/L		70	57 - 120	10	29
Nitrobenzene			32.0	24.6		ug/L		77	53 - 123	9	24
N-Nitrosodi-n-propylamine			32.0	23.5		ug/L		74	32 - 140	11	31
Pentachlorophenol			64.0	72.4		ug/L		113	10 - 136	9	37
Phenanthrene			32.0	30.1		ug/L		94	68 - 120	9	15
Phenol			32.0	14.9		ug/L		46	17 - 120	10	34
Pyrene			32.0	29.7		ug/L		93	70 - 125	7	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*116*		*25 - 144*
2-Fluorobiphenyl	*77*		*53 - 126*
2-Fluorophenol	*56*		*24 - 120*
Nitrobenzene-d5	*74*		*29 - 129*
Phenol-d5	*45*		*10 - 120*
p-Terphenyl-d14	*98*		*33 - 132*

Lab Sample ID: 480-221807-1 MS
Matrix: Water
Analysis Batch: 719409

Client Sample ID: GW-MW-3-071824-MS
Prep Type: Total/NA
Prep Batch: 719187

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	10	U	32.0	17.8		ug/L		56	32 - 120
2,4,5-Trichlorophenol	5.0	U	32.0	30.4		ug/L		95	65 - 126
2,4,6-Trichlorophenol	5.0	U	32.0	30.4		ug/L		95	64 - 120
2,4-Dichlorophenol	5.0	U	32.0	25.9		ug/L		81	48 - 132
2,4-Dimethylphenol	5.0	U	32.0	36.1		ug/L		113	39 - 130
2,4-Dinitrophenol	10	U	64.0	80.6		ug/L		126	21 - 150
2,4-Dinitrotoluene	5.0	U	32.0	34.4		ug/L		108	54 - 138
2,6-Dinitrotoluene	5.0	U	32.0	31.1		ug/L		97	17 - 150
2-Chloronaphthalene	5.0	U	32.0	25.2		ug/L		79	52 - 124
2-Chlorophenol	5.0	U	32.0	25.0		ug/L		78	48 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-221807-1 MS
Client Sample ID: GW-MW-3-071824-MS
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 719409
Prep Batch: 719187

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Methylnaphthalene	5.0	U	32.0	22.5		ug/L		70	34 - 140
2-Methylphenol	5.0	U	32.0	25.6		ug/L		80	46 - 120
2-Nitroaniline	10	U F2	32.0	31.2		ug/L		97	44 - 136
2-Nitrophenol	5.0	U	32.0	27.7		ug/L		86	38 - 141
3,3'-Dichlorobenzidine	5.0	U	64.0	64.5		ug/L		101	10 - 150
3-Nitroaniline	10	U	32.0	21.8		ug/L		68	32 - 150
4,6-Dinitro-2-methylphenol	10	U	64.0	78.5		ug/L		123	38 - 150
4-Bromophenyl phenyl ether	5.0	U F2	32.0	33.1		ug/L		103	63 - 126
4-Chloro-3-methylphenol	5.0	U	32.0	29.3		ug/L		91	64 - 127
4-Chloroaniline	5.0	U	32.0	21.9		ug/L		68	16 - 124
4-Chlorophenyl phenyl ether	5.0	U F2	32.0	29.7		ug/L		93	61 - 120
4-Methylphenol	10	U	32.0	24.4		ug/L		76	36 - 120
4-Nitroaniline	10	U	32.0	31.4		ug/L		98	32 - 150
4-Nitrophenol	10	U	64.0	57.1		ug/L		89	23 - 132
Acenaphthene	5.0	U	32.0	27.6		ug/L		86	48 - 120
Acenaphthylene	5.0	U	32.0	29.8		ug/L		93	63 - 120
Acetophenone	5.0	U	32.0	26.1		ug/L		82	53 - 120
Anthracene	5.0	U	32.0	32.8		ug/L		103	65 - 122
Atrazine	5.0	U	64.0	72.0		ug/L		113	50 - 150
Benzaldehyde	5.0	U	64.0	50.6		ug/L		79	10 - 150
Benzo[a]anthracene	5.0	U	32.0	31.7		ug/L		99	43 - 124
Benzo[a]pyrene	5.0	U	32.0	31.1		ug/L		97	23 - 125
Benzo[b]fluoranthene	5.0	U	32.0	32.8		ug/L		102	27 - 127
Benzo[g,h,i]perylene	5.0	U	32.0	34.8		ug/L		109	16 - 147
Benzo[k]fluoranthene	5.0	U	32.0	31.0		ug/L		97	20 - 124
Biphenyl	5.0	U	32.0	26.5		ug/L		83	57 - 120
bis (2-chloroisopropyl) ether	5.0	U	32.0	25.4		ug/L		79	28 - 121
Bis(2-chloroethoxy)methane	5.0	U F2	32.0	26.6		ug/L		83	44 - 128
Bis(2-chloroethyl)ether	5.0	U	32.0	28.9		ug/L		90	45 - 120
Bis(2-ethylhexyl) phthalate	5.0	U	32.0	29.6		ug/L		92	16 - 150
Butyl benzyl phthalate	5.0	U	32.0	31.0		ug/L		97	51 - 140
Caprolactam	5.0	U	64.0	23.5		ug/L		37	10 - 120
Carbazole	5.0	U	32.0	37.9		ug/L		118	16 - 148
Chrysene	5.0	U	32.0	31.3		ug/L		98	44 - 122
Dibenz(a,h)anthracene	5.0	U	32.0	33.0		ug/L		103	16 - 139
Dibenzofuran	10	U F2	32.0	28.4		ug/L		89	60 - 120
Diethyl phthalate	5.0	U	32.0	33.8		ug/L		106	53 - 133
Dimethyl phthalate	5.0	U	32.0	33.0		ug/L		103	59 - 123
Di-n-butyl phthalate	5.0	U	32.0	33.7		ug/L		105	65 - 129
Di-n-octyl phthalate	5.0	U	32.0	30.2		ug/L		94	16 - 150
Fluoranthene	5.0	U	32.0	34.6		ug/L		108	63 - 129
Fluorene	5.0	U	32.0	29.5		ug/L		92	62 - 120
Hexachlorobenzene	5.0	U	32.0	36.8		ug/L		115	57 - 121
Hexachlorobutadiene	5.0	U	32.0	19.3		ug/L		60	37 - 120
Hexachlorocyclopentadiene	5.0	U	32.0	21.5		ug/L		67	21 - 120
Hexachloroethane	5.0	U	32.0	18.4		ug/L		57	16 - 130
Indeno[1,2,3-cd]pyrene	5.0	U	32.0	32.3		ug/L		101	16 - 140
Isophorone	5.0	U	32.0	28.7		ug/L		90	48 - 133
Naphthalene	5.0	U	32.0	25.4		ug/L		79	45 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-221807-1 MS
Matrix: Water
Analysis Batch: 719409

Client Sample ID: GW-MW-3-071824-MS
Prep Type: Total/NA
Prep Batch: 719187

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrobenzene	5.0	U	32.0	27.6		ug/L		86	45 - 123
N-Nitrosodi-n-propylamine	5.0	U	32.0	26.9		ug/L		84	49 - 120
Pentachlorophenol	10	U	64.0	79.2		ug/L		124	10 - 149
Phenanthrene	5.0	U	32.0	33.2		ug/L		104	65 - 122
Phenol	5.0	U	32.0	17.7		ug/L		55	16 - 120
Pyrene	5.0	U	32.0	31.8		ug/L		99	58 - 128

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*129*		*25 - 144*
2-Fluorobiphenyl	*87*		*53 - 126*
2-Fluorophenol	*65*		*24 - 120*
Nitrobenzene-d5	*83*		*29 - 129*
Phenol-d5	*54*		*10 - 120*
p-Terphenyl-d14	*95*		*33 - 132*

Lab Sample ID: 480-221807-1 MSD
Matrix: Water
Analysis Batch: 719409

Client Sample ID: GW-MW-3-071824-MSD
Prep Type: Total/NA
Prep Batch: 719187

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	10	U	32.0	15.0		ug/L		47	32 - 120	17	50
2,4,5-Trichlorophenol	5.0	U	32.0	26.6		ug/L		83	65 - 126	13	18
2,4,6-Trichlorophenol	5.0	U	32.0	26.3		ug/L		82	64 - 120	14	19
2,4-Dichlorophenol	5.0	U	32.0	21.8		ug/L		68	48 - 132	17	19
2,4-Dimethylphenol	5.0	U	32.0	30.1		ug/L		94	39 - 130	18	42
2,4-Dinitrophenol	10	U	64.0	73.8		ug/L		115	21 - 150	9	22
2,4-Dinitrotoluene	5.0	U	32.0	30.9		ug/L		97	54 - 138	11	20
2,6-Dinitrotoluene	5.0	U	32.0	27.5		ug/L		86	17 - 150	13	15
2-Chloronaphthalene	5.0	U	32.0	21.2		ug/L		66	52 - 124	17	21
2-Chlorophenol	5.0	U	32.0	20.6		ug/L		64	48 - 120	19	25
2-Methylnaphthalene	5.0	U	32.0	18.8		ug/L		59	34 - 140	18	21
2-Methylphenol	5.0	U	32.0	21.1		ug/L		66	46 - 120	20	27
2-Nitroaniline	10	U F2	32.0	26.5	F2	ug/L		83	44 - 136	16	15
2-Nitrophenol	5.0	U	32.0	23.3		ug/L		73	38 - 141	17	18
3,3'-Dichlorobenzidine	5.0	U	64.0	61.1		ug/L		95	10 - 150	5	25
3-Nitroaniline	10	U	32.0	21.1		ug/L		66	32 - 150	3	19
4,6-Dinitro-2-methylphenol	10	U	64.0	73.0		ug/L		114	38 - 150	7	15
4-Bromophenyl phenyl ether	5.0	U F2	32.0	28.3	F2	ug/L		88	63 - 126	16	15
4-Chloro-3-methylphenol	5.0	U	32.0	24.6		ug/L		77	64 - 127	17	27
4-Chloroaniline	5.0	U	32.0	19.6		ug/L		61	16 - 124	11	22
4-Chlorophenyl phenyl ether	5.0	U F2	32.0	25.2	F2	ug/L		79	61 - 120	17	16
4-Methylphenol	10	U	32.0	20.0		ug/L		62	36 - 120	20	24
4-Nitroaniline	10	U	32.0	29.1		ug/L		91	32 - 150	8	24
4-Nitrophenol	10	U	64.0	51.4		ug/L		80	23 - 132	11	48
Acenaphthene	5.0	U	32.0	23.7		ug/L		74	48 - 120	15	24
Acenaphthylene	5.0	U	32.0	25.2		ug/L		79	63 - 120	17	18
Acetophenone	5.0	U	32.0	21.9		ug/L		69	53 - 120	18	20
Anthracene	5.0	U	32.0	29.0		ug/L		90	65 - 122	12	15

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-221807-1 MSD
Matrix: Water
Analysis Batch: 719409

Client Sample ID: GW-MW-3-071824-MSD
Prep Type: Total/NA
Prep Batch: 719187

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Atrazine	5.0	U	64.0	67.1		ug/L		105	50 - 150	7	20
Benzaldehyde	5.0	U	64.0	42.7		ug/L		67	10 - 150	17	20
Benzo[a]anthracene	5.0	U	32.0	28.6		ug/L		89	43 - 124	10	15
Benzo[a]pyrene	5.0	U	32.0	27.7		ug/L		87	23 - 125	12	15
Benzo[b]fluoranthene	5.0	U	32.0	29.3		ug/L		91	27 - 127	11	15
Benzo[g,h,i]perylene	5.0	U	32.0	30.5		ug/L		95	16 - 147	13	15
Benzo[k]fluoranthene	5.0	U	32.0	32.7		ug/L		102	20 - 124	5	22
Biphenyl	5.0	U	32.0	22.1		ug/L		69	57 - 120	18	20
bis (2-chloroisopropyl) ether	5.0	U	32.0	21.6		ug/L		68	28 - 121	16	24
Bis(2-chloroethoxy)methane	5.0	U F2	32.0	22.1	F2	ug/L		69	44 - 128	18	17
Bis(2-chloroethyl)ether	5.0	U	32.0	24.2		ug/L		76	45 - 120	18	21
Bis(2-ethylhexyl) phthalate	5.0	U	32.0	25.7		ug/L		80	16 - 150	14	15
Butyl benzyl phthalate	5.0	U	32.0	27.1		ug/L		85	51 - 140	14	16
Caprolactam	5.0	U	64.0	19.7		ug/L		31	10 - 120	18	20
Carbazole	5.0	U	32.0	33.6		ug/L		105	16 - 148	12	20
Chrysene	5.0	U	32.0	27.6		ug/L		86	44 - 122	12	15
Dibenz(a,h)anthracene	5.0	U	32.0	29.3		ug/L		91	16 - 139	12	15
Dibenzofuran	10	U F2	32.0	23.9	F2	ug/L		75	60 - 120	17	15
Diethyl phthalate	5.0	U	32.0	30.7		ug/L		96	53 - 133	9	15
Dimethyl phthalate	5.0	U	32.0	29.7		ug/L		93	59 - 123	11	15
Di-n-butyl phthalate	5.0	U	32.0	30.3		ug/L		95	65 - 129	11	15
Di-n-octyl phthalate	5.0	U	32.0	26.9		ug/L		84	16 - 150	11	16
Fluoranthene	5.0	U	32.0	31.0		ug/L		97	63 - 129	11	15
Fluorene	5.0	U	32.0	25.5		ug/L		80	62 - 120	15	15
Hexachlorobenzene	5.0	U	32.0	32.0		ug/L		100	57 - 121	14	15
Hexachlorobutadiene	5.0	U	32.0	16.5		ug/L		51	37 - 120	16	44
Hexachlorocyclopentadiene	5.0	U	32.0	18.6		ug/L		58	21 - 120	14	49
Hexachloroethane	5.0	U	32.0	15.8		ug/L		49	16 - 130	15	46
Indeno[1,2,3-cd]pyrene	5.0	U	32.0	28.6		ug/L		89	16 - 140	12	15
Isophorone	5.0	U	32.0	24.2		ug/L		76	48 - 133	17	17
Naphthalene	5.0	U	32.0	21.5		ug/L		67	45 - 120	16	29
Nitrobenzene	5.0	U	32.0	23.0		ug/L		72	45 - 123	18	24
N-Nitrosodi-n-propylamine	5.0	U	32.0	22.4		ug/L		70	49 - 120	18	31
Pentachlorophenol	10	U	64.0	71.1		ug/L		111	10 - 149	11	37
Phenanthrene	5.0	U	32.0	29.2		ug/L		91	65 - 122	13	15
Phenol	5.0	U	32.0	14.2		ug/L		44	16 - 120	22	34
Pyrene	5.0	U	32.0	28.2		ug/L		88	58 - 128	12	19

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*113*		*25 - 144*
2-Fluorobiphenyl	*74*		*53 - 126*
2-Fluorophenol	*53*		*24 - 120*
Nitrobenzene-d5	*70*		*29 - 129*
Phenol-d5	*44*		*10 - 120*
p-Terphenyl-d14	*86*		*33 - 132*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-719258/1-A
Matrix: Water
Analysis Batch: 719439

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719258

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.20	U	0.20	0.10	ug/L		07/23/24 07:26	07/24/24 13:13	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*29*		*15 - 110*	*07/23/24 07:26*	*07/24/24 13:13*	*1*

Lab Sample ID: LCS 480-719258/2-A
Matrix: Water
Analysis Batch: 719439

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719258

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			2.00	2.17		ug/L		109	40 - 140		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*29*		*15 - 110*

Lab Sample ID: 480-221807-1 MS
Matrix: Water
Analysis Batch: 719439

Client Sample ID: GW-MW-3-071824-MS
Prep Type: Total/NA
Prep Batch: 719258

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane	0.20	U	2.00	2.22		ug/L		111	40 - 140		

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
1,4-Dioxane-d8	*29*		*15 - 110*

Lab Sample ID: 480-221807-1 MSD
Matrix: Water
Analysis Batch: 719439

Client Sample ID: GW-MW-3-071824-MSD
Prep Type: Total/NA
Prep Batch: 719258

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	0.20	U	2.00	2.17		ug/L		109	40 - 140	2	20

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,4-Dioxane-d8	*30*		*15 - 110*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-719061/1-A
Matrix: Water
Analysis Batch: 719110

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719061

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.050	U	0.050	0.0092	ug/L		07/19/24 16:10	07/22/24 08:52	1
4,4'-DDE	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 08:52	1
4,4'-DDT	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 08:52	1
Aldrin	0.050	U	0.050	0.0081	ug/L		07/19/24 16:10	07/22/24 08:52	1
alpha-BHC	0.050	U	0.050	0.0077	ug/L		07/19/24 16:10	07/22/24 08:52	1
beta-BHC	0.050	U	0.050	0.025	ug/L		07/19/24 16:10	07/22/24 08:52	1
cis-Chlordane	0.050	U	0.050	0.015	ug/L		07/19/24 16:10	07/22/24 08:52	1
delta-BHC	0.050	U	0.050	0.010	ug/L		07/19/24 16:10	07/22/24 08:52	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-719061/1-A
Matrix: Water
Analysis Batch: 719110

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719061

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	0.050	U	0.050	0.0098	ug/L		07/19/24 16:10	07/22/24 08:52	1
Endosulfan I	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 08:52	1
Endosulfan II	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 08:52	1
Endosulfan sulfate	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 08:52	1
Endrin	0.050	U	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 08:52	1
Endrin aldehyde	0.050	U	0.050	0.016	ug/L		07/19/24 16:10	07/22/24 08:52	1
Endrin ketone	0.050	U	0.050	0.012	ug/L		07/19/24 16:10	07/22/24 08:52	1
gamma-BHC (Lindane)	0.00922	J	0.050	0.0080	ug/L		07/19/24 16:10	07/22/24 08:52	1
Heptachlor	0.050	U	0.050	0.0085	ug/L		07/19/24 16:10	07/22/24 08:52	1
Heptachlor epoxide	0.050	U	0.050	0.0074	ug/L		07/19/24 16:10	07/22/24 08:52	1
Methoxychlor	0.0406	J	0.050	0.014	ug/L		07/19/24 16:10	07/22/24 08:52	1
Toxaphene	0.50	U	0.50	0.12	ug/L		07/19/24 16:10	07/22/24 08:52	1
trans-Chlordane	0.050	U	0.050	0.011	ug/L		07/19/24 16:10	07/22/24 08:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*45*		*10 - 120*	*07/19/24 16:10*	*07/22/24 08:52*	*1*
DCB Decachlorobiphenyl	*48*		*10 - 120*	*07/19/24 16:10*	*07/22/24 08:52*	*1*
Tetrachloro-m-xylene	*45*		*10 - 120*	*07/19/24 16:10*	*07/22/24 08:52*	*1*
Tetrachloro-m-xylene	*42*		*10 - 120*	*07/19/24 16:10*	*07/22/24 08:52*	*1*

Lab Sample ID: LCS 480-719061/2-A
Matrix: Water
Analysis Batch: 719110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719061

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.400	0.363		ug/L		91	64 - 129
4,4'-DDE	0.400	0.273		ug/L		68	50 - 120
4,4'-DDT	0.400	0.377		ug/L		94	59 - 120
Aldrin	0.400	0.208		ug/L		52	40 - 125
alpha-BHC	0.400	0.209		ug/L		52	52 - 125
beta-BHC	0.400	0.332		ug/L		83	51 - 120
cis-Chlordane	0.400	0.290		ug/L		73	52 - 120
delta-BHC	0.400	0.318		ug/L		79	51 - 120
Dieldrin	0.400	0.369		ug/L		92	66 - 128
Endosulfan I	0.400	0.253		ug/L		63	57 - 120
Endosulfan II	0.400	0.389		ug/L		97	66 - 131
Endosulfan sulfate	0.400	0.262		ug/L		66	66 - 136
Endrin	0.400	0.368		ug/L		92	65 - 135
Endrin aldehyde	0.400	0.284		ug/L		71	61 - 134
Endrin ketone	0.400	0.409		ug/L		102	71 - 133
gamma-BHC (Lindane)	0.400	0.271		ug/L		68	56 - 120
Heptachlor	0.400	0.239		ug/L		60	58 - 120
Heptachlor epoxide	0.400	0.348		ug/L		87	65 - 125
Methoxychlor	0.400	0.367		ug/L		92	50 - 150
trans-Chlordane	0.400	0.301		ug/L		75	54 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*43*		*10 - 120*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-719061/2-A
Matrix: Water
Analysis Batch: 719110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719061

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	47		10 - 120
Tetrachloro-m-xylene	46		10 - 120
Tetrachloro-m-xylene	41		10 - 120

Lab Sample ID: 480-221807-1 MS
Matrix: Water
Analysis Batch: 719110

Client Sample ID: GW-MW-3-071824-MS
Prep Type: Total/NA
Prep Batch: 719061

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.050	U	0.400	0.376		ug/L		94	57 - 130
4,4'-DDE	0.050	U	0.400	0.294		ug/L		74	39 - 120
4,4'-DDT	0.050	U	0.400	0.397		ug/L		99	37 - 130
Aldrin	0.050	U	0.400	0.241		ug/L		60	39 - 125
alpha-BHC	0.0086	J	0.400	0.199		ug/L		48	48 - 120
beta-BHC	0.050	U	0.400	0.327		ug/L		82	49 - 120
cis-Chlordane	0.050	U	0.400	0.289		ug/L		72	44 - 120
delta-BHC	0.050	U	0.400	0.323		ug/L		81	50 - 120
Dieldrin	0.050	U	0.400	0.373		ug/L		93	56 - 130
Endosulfan I	0.050	U	0.400	0.297		ug/L		74	40 - 126
Endosulfan II	0.050	U	0.400	0.400		ug/L		100	59 - 140
Endosulfan sulfate	0.050	U	0.400	0.326		ug/L		81	60 - 134
Endrin	0.050	U	0.400	0.372		ug/L		93	54 - 135
Endrin aldehyde	0.050	U	0.400	0.301		ug/L		75	50 - 142
Endrin ketone	0.050	U	0.400	0.425		ug/L		106	57 - 138
gamma-BHC (Lindane)	0.011	J B	0.400	0.268		ug/L		64	50 - 120
Heptachlor	0.050	U	0.400	0.259		ug/L		65	56 - 120
Heptachlor epoxide	0.050	U	0.400	0.349		ug/L		87	58 - 125
Methoxychlor	0.040	J B	0.400	0.449		ug/L		102	40 - 150
trans-Chlordane	0.050	U	0.400	0.300		ug/L		75	42 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	68		10 - 120
DCB Decachlorobiphenyl	72		10 - 120
Tetrachloro-m-xylene	46		10 - 120
Tetrachloro-m-xylene	41		10 - 120

Lab Sample ID: 480-221807-1 MSD
Matrix: Water
Analysis Batch: 719110

Client Sample ID: GW-MW-3-071824-MSD
Prep Type: Total/NA
Prep Batch: 719061

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.050	U	0.400	0.377		ug/L		94	57 - 130	0	23
4,4'-DDE	0.050	U	0.400	0.307		ug/L		77	39 - 120	4	22
4,4'-DDT	0.050	U	0.400	0.403		ug/L		101	37 - 130	1	24
Aldrin	0.050	U	0.400	0.273		ug/L		68	39 - 125	13	25
alpha-BHC	0.0086	J	0.400	0.242		ug/L		58	48 - 120	19	24
beta-BHC	0.050	U	0.400	0.345		ug/L		86	49 - 120	5	24
cis-Chlordane	0.050	U	0.400	0.310		ug/L		78	44 - 120	7	23

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-221807-1 MSD — **Client Sample ID: GW-MW-3-071824-MSD**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 719110 — **Prep Batch: 719061**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
delta-BHC	0.050	U	0.400	0.344		ug/L		86	50 - 120	6	24
Dieldrin	0.050	U	0.400	0.388		ug/L		97	56 - 130	4	24
Endosulfan I	0.050	U	0.400	0.309		ug/L		77	40 - 126	4	30
Endosulfan II	0.050	U	0.400	0.406		ug/L		101	59 - 140	1	40
Endosulfan sulfate	0.050	U	0.400	0.319		ug/L		80	60 - 134	2	24
Endrin	0.050	U	0.400	0.388		ug/L		97	54 - 135	4	24
Endrin aldehyde	0.050	U	0.400	0.274		ug/L		69	50 - 142	9	28
Endrin ketone	0.050	U	0.400	0.423		ug/L		106	57 - 138	1	26
gamma-BHC (Lindane)	0.011	J B	0.400	0.300		ug/L		72	50 - 120	11	24
Heptachlor	0.050	U	0.400	0.278		ug/L		70	56 - 120	7	25
Heptachlor epoxide	0.050	U	0.400	0.374		ug/L		93	58 - 125	7	23
Methoxychlor	0.040	J B	0.400	0.441		ug/L		100	40 - 150	2	26
trans-Chlordane	0.050	U	0.400	0.323		ug/L		81	42 - 120	7	24

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*62*		*10 - 120*
DCB Decachlorobiphenyl	*62*		*10 - 120*
Tetrachloro-m-xylene	*51*		*10 - 120*
Tetrachloro-m-xylene	*47*		*10 - 120*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-719063/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 719103 — **Prep Batch: 719063**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 07:13	1
PCB-1221	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 07:13	1
PCB-1232	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 07:13	1
PCB-1242	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 07:13	1
PCB-1248	0.50	U	0.50	0.18	ug/L		07/19/24 16:14	07/22/24 07:13	1
PCB-1254	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 07:13	1
PCB-1260	0.50	U	0.50	0.25	ug/L		07/19/24 16:14	07/22/24 07:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*36*		*10 - 123*	*07/19/24 16:14*	*07/22/24 07:13*	*1*
DCB Decachlorobiphenyl	*35*		*10 - 123*	*07/19/24 16:14*	*07/22/24 07:13*	*1*
Tetrachloro-m-xylene	*56*		*10 - 145*	*07/19/24 16:14*	*07/22/24 07:13*	*1*
Tetrachloro-m-xylene	*50*		*10 - 145*	*07/19/24 16:14*	*07/22/24 07:13*	*1*

Lab Sample ID: LCS 480-719063/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 719103 — **Prep Batch: 719063**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	4.00	3.08		ug/L		77	62 - 130
PCB-1260	4.00	2.93		ug/L		73	56 - 123

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-719063/2-A
Matrix: Water
Analysis Batch: 719103

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719063

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	42		10 - 123
DCB Decachlorobiphenyl	43		10 - 123
Tetrachloro-m-xylene	67		10 - 145
Tetrachloro-m-xylene	63		10 - 145

Lab Sample ID: 480-221807-1 MS
Matrix: Water
Analysis Batch: 719103

Client Sample ID: GW-MW-3-071824-MS
Prep Type: Total/NA
Prep Batch: 719063

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	0.50	U	4.00	3.11		ug/L		78	28 - 150
PCB-1260	0.50	U	4.00	2.95		ug/L		74	25 - 131

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	50		10 - 123
DCB Decachlorobiphenyl	48		10 - 123
Tetrachloro-m-xylene	67		10 - 145
Tetrachloro-m-xylene	65		10 - 145

Lab Sample ID: 480-221807-1 MSD
Matrix: Water
Analysis Batch: 719103

Client Sample ID: GW-MW-3-071824-MSD
Prep Type: Total/NA
Prep Batch: 719063

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	0.50	U	4.35	3.25		ug/L		75	28 - 150	4	50
PCB-1260	0.50	U	4.35	3.47		ug/L		80	25 - 131	16	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	49		10 - 123
DCB Decachlorobiphenyl	48		10 - 123
Tetrachloro-m-xylene	62		10 - 145
Tetrachloro-m-xylene	59		10 - 145

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 280-661649/1-A
Matrix: Water
Analysis Batch: 662002

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661649

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.0	U	4.0	0.25	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluoropentanoic acid (PFPeA)	2.0	U	2.0	0.13	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluorohexanoic acid (PFHxA)	2.0	U	2.0	0.52	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluoroheptanoic acid (PFHpA)	2.0	U	2.0	0.20	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluorooctanoic acid (PFOA)	2.0	U	2.0	0.58	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluorononanoic acid (PFNA)	2.0	U	2.0	0.39	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluorodecanoic acid (PFDA)	2.0	U	2.0	0.20	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	0.26	ng/L		07/25/24 11:51	07/29/24 13:56	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 280-661649/1-A
Matrix: Water
Analysis Batch: 662002

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661649

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	2.0	U	2.0	0.16	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluorotridecanoic acid (PFTriA)	2.0	U	2.0	0.29	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluorotetradecanoic acid (PFTeDA)	2.0	U	2.0	0.39	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluorobutanesulfonic acid (PFBS)	2.0	U	2.0	0.70	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluoropentanesulfonic acid (PFPeS)	2.0	U	2.0	0.33	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluorohexanesulfonic acid (PFHxS)	2.0	U	2.0	0.70	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluoroheptanesulfonic acid (PFHpS)	2.0	U	2.0	0.42	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluorooctanesulfonic acid (PFOS)	2.0	U	2.0	0.19	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluorononanesulfonic acid (PFNS)	2.0	U	2.0	0.26	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.28	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluorododecanesulfonic acid (PFDoS)	2.0	U	2.0	0.46	ng/L		07/25/24 11:51	07/29/24 13:56	1
4:2 FTS	4.0	U	4.0	0.55	ng/L		07/25/24 11:51	07/29/24 13:56	1
6:2 FTS	4.0	U	4.0	1.9	ng/L		07/25/24 11:51	07/29/24 13:56	1
8:2 FTS	4.0	U	4.0	1.6	ng/L		07/25/24 11:51	07/29/24 13:56	1
Perfluorooctanesulfonamide (PFOSA)	2.0	U	2.0	0.40	ng/L		07/25/24 11:51	07/29/24 13:56	1
NMeFOSA	2.0	U	2.0	0.64	ng/L		07/25/24 11:51	07/29/24 13:56	1
NEtFOSA	2.0	U	2.0	0.74	ng/L		07/25/24 11:51	07/29/24 13:56	1
NMeFOSAA	2.0	U	2.0	0.80	ng/L		07/25/24 11:51	07/29/24 13:56	1
NEtFOSAA	2.0	U	2.0	0.54	ng/L		07/25/24 11:51	07/29/24 13:56	1
NMeFOSE	10	U	10	1.7	ng/L		07/25/24 11:51	07/29/24 13:56	1
NEtFOSE	10	U	10	1.5	ng/L		07/25/24 11:51	07/29/24 13:56	1
HFPO-DA (GenX)	1.5	U	1.5	0.53	ng/L		07/25/24 11:51	07/29/24 13:56	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	2.0	U	2.0	0.25	ng/L		07/25/24 11:51	07/29/24 13:56	1
PFMBA	2.0	U	2.0	0.20	ng/L		07/25/24 11:51	07/29/24 13:56	1
NFDHA	2.0	U	2.0	0.53	ng/L		07/25/24 11:51	07/29/24 13:56	1
PFMPA	2.0	U	2.0	0.15	ng/L		07/25/24 11:51	07/29/24 13:56	1
9Cl-PF3ONS	2.0	U	2.0	0.29	ng/L		07/25/24 11:51	07/29/24 13:56	1
11Cl-PF3OUdS	2.0	U	2.0	0.28	ng/L		07/25/24 11:51	07/29/24 13:56	1
PFEESA	2.0	U	2.0	0.17	ng/L		07/25/24 11:51	07/29/24 13:56	1
3:3 FTCA	4.0	U	4.0	0.62	ng/L		07/25/24 11:51	07/29/24 13:56	1
5:3 FTCA	10	U	10	0.73	ng/L		07/25/24 11:51	07/29/24 13:56	1
7:3 FTCA	10	U	10	1.5	ng/L		07/25/24 11:51	07/29/24 13:56	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*77.9*		*5 - 130*	*07/25/24 11:51*	*07/29/24 13:56*	*1*
13C5 PFPeA	*80.7*		*40 - 130*	*07/25/24 11:51*	*07/29/24 13:56*	*1*
13C5 PFHxA	*80.4*		*40 - 130*	*07/25/24 11:51*	*07/29/24 13:56*	*1*
13C4 PFHpA	*81.3*		*40 - 130*	*07/25/24 11:51*	*07/29/24 13:56*	*1*
13C8 PFOA	*80.4*		*40 - 130*	*07/25/24 11:51*	*07/29/24 13:56*	*1*
13C9 PFNA	*77.5*		*40 - 130*	*07/25/24 11:51*	*07/29/24 13:56*	*1*
13C6 PFDA	*79.2*		*40 - 130*	*07/25/24 11:51*	*07/29/24 13:56*	*1*
13C7 PFUnA	*76.2*		*30 - 130*	*07/25/24 11:51*	*07/29/24 13:56*	*1*
13C2 PFDoA	*67.8*		*10 - 130*	*07/25/24 11:51*	*07/29/24 13:56*	*1*
13C2 PFTeDA	*67.5*		*10 - 130*	*07/25/24 11:51*	*07/29/24 13:56*	*1*
13C3 PFBS	*76.3*		*40 - 135*	*07/25/24 11:51*	*07/29/24 13:56*	*1*
13C3 PFHxS	*79.2*		*40 - 130*	*07/25/24 11:51*	*07/29/24 13:56*	*1*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 280-661649/1-A
Matrix: Water
Analysis Batch: 662002

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661649

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	75.0		40 - 130	07/25/24 11:51	07/29/24 13:56	1
13C8 FOSA	67.3		40 - 130	07/25/24 11:51	07/29/24 13:56	1
d3-NMeFOSAA	66.5		40 - 170	07/25/24 11:51	07/29/24 13:56	1
d5-NEtFOSAA	66.9		25 - 135	07/25/24 11:51	07/29/24 13:56	1
M2-4:2 FTS	73.5		40 - 200	07/25/24 11:51	07/29/24 13:56	1
M2-6:2 FTS	81.3		40 - 200	07/25/24 11:51	07/29/24 13:56	1
M2-8:2 FTS	74.8		40 - 300	07/25/24 11:51	07/29/24 13:56	1
13C3 HFPO-DA	79.0		40 - 130	07/25/24 11:51	07/29/24 13:56	1
d7-N-MeFOSE-M	62.3		10 - 130	07/25/24 11:51	07/29/24 13:56	1
d9-N-EtFOSE-M	64.7		10 - 130	07/25/24 11:51	07/29/24 13:56	1
d5-NEtPFOSA	52.6		10 - 130	07/25/24 11:51	07/29/24 13:56	1
d3-NMePFOSA	52.1		10 - 130	07/25/24 11:51	07/29/24 13:56	1

Lab Sample ID: LCS 280-661649/3-A
Matrix: Water
Analysis Batch: 662002

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	41.9		ng/L		105	70 - 140
Perfluoropentanoic acid (PFPeA)	20.0	21.3		ng/L		107	65 - 135
Perfluorohexanoic acid (PFHxA)	20.0	20.3		ng/L		102	70 - 145
Perfluoroheptanoic acid (PFHpA)	20.0	21.7		ng/L		109	70 - 150
Perfluorooctanoic acid (PFOA)	20.0	22.5		ng/L		113	70 - 150
Perfluorononanoic acid (PFNA)	20.0	22.3		ng/L		112	70 - 150
Perfluorodecanoic acid (PFDA)	20.0	22.9		ng/L		114	70 - 140
Perfluoroundecanoic acid (PFUnA)	20.0	21.4		ng/L		107	70 - 145
Perfluorododecanoic acid (PFDoA)	20.0	20.2		ng/L		101	70 - 140
Perfluorotridecanoic acid (PFTriA)	20.0	24.1		ng/L		121	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	20.0	22.8		ng/L		114	60 - 140
Perfluorobutanesulfonic acid (PFBS)	17.8	19.2		ng/L		108	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	18.8	22.1		ng/L		118	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	18.2	19.8		ng/L		108	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	19.0	20.1		ng/L		106	70 - 150
Perfluorooctanesulfonic acid (PFOS)	18.6	19.2		ng/L		103	55 - 150
Perfluorononanesulfonic acid (PFNS)	19.2	22.6		ng/L		117	65 - 145
Perfluorodecanesulfonic acid (PFDS)	19.3	20.4		ng/L		106	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	19.4	19.8		ng/L		102	50 - 145
4:2 FTS	37.4	42.1		ng/L		113	70 - 145
6:2 FTS	37.9	38.6		ng/L		102	65 - 155
8:2 FTS	38.3	44.2		ng/L		115	60 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 280-661649/3-A
Matrix: Water
Analysis Batch: 662002

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonamide (PFOSA)	20.0	22.6		ng/L		113	70 - 145
NMeFOSA	20.0	23.4		ng/L		117	60 - 150
NEtFOSA	20.0	23.1		ng/L		115	65 - 145
NMeFOSAA	20.0	23.9		ng/L		120	50 - 140
NEtFOSAA	20.0	23.1		ng/L		115	70 - 145
NMeFOSE	100	106		ng/L		106	70 - 145
NEtFOSE	100	112		ng/L		112	70 - 135
HFPO-DA (GenX)	20.0	23.6		ng/L		118	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	18.9	20.2		ng/L		107	65 - 145
PFMBA	20.0	21.8		ng/L		109	60 - 150
NFDHA	20.0	21.1		ng/L		105	50 - 150
PFMPA	20.0	20.8		ng/L		104	55 - 140
9Cl-PF3ONS	18.6	27.5	I	ng/L		147	70 - 155
11Cl-PF3OUdS	18.8	18.3		ng/L		97	55 - 160
PFEESA	17.8	18.8		ng/L		105	70 - 140
3:3 FTCA	40.0	39.3		ng/L		98	65 - 130
5:3 FTCA	100	93.6		ng/L		94	70 - 135
7:3 FTCA	100	92.7		ng/L		93	50 - 145

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*80.6*		*5 - 130*
13C5 PFPeA	*83.1*		*40 - 130*
13C5 PFHxA	*80.7*		*40 - 130*
13C4 PFHpA	*82.9*		*40 - 130*
13C8 PFOA	*80.7*		*40 - 130*
13C9 PFNA	*76.0*		*40 - 130*
13C6 PFDA	*83.2*		*40 - 130*
13C7 PFUnA	*80.2*		*30 - 130*
13C2 PFDoA	*74.8*		*10 - 130*
13C2 PFTeDA	*74.5*		*10 - 130*
13C3 PFBS	*81.9*		*40 - 135*
13C3 PFHxS	*79.0*		*40 - 130*
13C8 PFOS	*76.2*		*40 - 130*
13C8 FOSA	*70.9*		*40 - 130*
d3-NMeFOSAA	*65.2*		*40 - 170*
d5-NEtFOSAA	*71.3*		*25 - 135*
M2-4:2 FTS	*77.7*		*40 - 200*
M2-6:2 FTS	*82.2*		*40 - 200*
M2-8:2 FTS	*77.1*		*40 - 300*
13C3 HFPO-DA	*86.4*		*40 - 130*
d7-N-MeFOSE-M	*70.4*		*10 - 130*
d9-N-EtFOSE-M	*72.0*		*10 - 130*
d5-NEtPFOSA	*59.4*		*10 - 130*
d3-NMePFOSA	*57.6*		*10 - 130*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 280-661649/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 662002
Prep Batch: 661649

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	8.00	8.00		ng/L		100	70 - 140
Perfluoropentanoic acid (PFPeA)	4.00	4.32		ng/L		108	65 - 135
Perfluorohexanoic acid (PFHxA)	4.00	4.45		ng/L		111	70 - 145
Perfluoroheptanoic acid (PFHpA)	4.00	4.16		ng/L		104	70 - 150
Perfluorooctanoic acid (PFOA)	4.00	4.34		ng/L		109	70 - 150
Perfluorononanoic acid (PFNA)	4.00	3.98		ng/L		99	70 - 150
Perfluorodecanoic acid (PFDA)	4.00	4.10		ng/L		102	70 - 140
Perfluoroundecanoic acid (PFUnA)	4.00	4.11		ng/L		103	70 - 145
Perfluorododecanoic acid (PFDoA)	4.00	4.07		ng/L		102	70 - 140
Perfluorotridecanoic acid (PFTriA)	4.00	4.79		ng/L		120	65 - 140
Perfluorotetradecanoic acid (PFTeDA)	4.00	4.60		ng/L		115	60 - 140
Perfluorobutanesulfonic acid (PFBS)	3.55	3.75		ng/L		106	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	3.75	4.45		ng/L		119	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	3.65	4.20		ng/L		115	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	3.81	3.93		ng/L		103	70 - 150
Perfluorooctanesulfonic acid (PFOS)	3.72	3.96		ng/L		107	55 - 150
Perfluorononanesulfonic acid (PFNS)	3.85	3.82		ng/L		99	65 - 145
Perfluorodecanesulfonic acid (PFDS)	3.86	3.63		ng/L		94	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	3.88	3.55		ng/L		91	50 - 145
4:2 FTS	7.47	7.73		ng/L		103	70 - 145
6:2 FTS	7.58	6.92		ng/L		91	65 - 155
8:2 FTS	7.66	7.68		ng/L		100	60 - 150
Perfluorooctanesulfonamide (PFOSA)	4.00	4.48		ng/L		112	70 - 145
NMeFOSA	4.00	3.94		ng/L		99	60 - 150
NEtFOSA	4.00	4.32		ng/L		108	65 - 145
NMeFOSAA	4.00	3.97		ng/L		99	50 - 140
NEtFOSAA	4.00	4.25		ng/L		106	70 - 145
NMeFOSE	20.0	20.2		ng/L		101	70 - 145
NEtFOSE	20.0	21.0		ng/L		105	70 - 135
HFPO-DA (GenX)	4.00	4.72		ng/L		118	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	3.78	3.87		ng/L		103	65 - 145
PFMBA	4.00	4.19		ng/L		105	60 - 150
NFDHA	4.00	4.52		ng/L		113	50 - 150
PFMPA	4.00	4.01		ng/L		100	55 - 140
9Cl-PF3ONS	3.73	5.68		ng/L		152	70 - 155
11Cl-PF3OUdS	3.77	3.67		ng/L		97	55 - 160
PFEESA	3.57	3.62		ng/L		101	70 - 140
3:3 FTCA	8.00	7.38		ng/L		92	65 - 130

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 280-661649/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 662002
Prep Batch: 661649

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
5:3 FTCA			20.0	19.8		ng/L		99	70 - 135		
7:3 FTCA			20.0	18.8		ng/L		94	50 - 145		

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*77.8*		*5 - 130*
13C5 PFPeA	*79.3*		*40 - 130*
13C5 PFHxA	*79.0*		*40 - 130*
13C4 PFHpA	*83.9*		*40 - 130*
13C8 PFOA	*76.0*		*40 - 130*
13C9 PFNA	*77.5*		*40 - 130*
13C6 PFDA	*81.0*		*40 - 130*
13C7 PFUnA	*77.0*		*30 - 130*
13C2 PFDoA	*69.3*		*10 - 130*
13C2 PFTeDA	*71.0*		*10 - 130*
13C3 PFBS	*75.2*		*40 - 135*
13C3 PFHxS	*72.0*		*40 - 130*
13C8 PFOS	*77.7*		*40 - 130*
13C8 FOSA	*68.7*		*40 - 130*
d3-NMeFOSAA	*70.8*		*40 - 170*
d5-NEtFOSAA	*69.9*		*25 - 135*
M2-4:2 FTS	*73.8*		*40 - 200*
M2-6:2 FTS	*76.9*		*40 - 200*
M2-8:2 FTS	*82.9*		*40 - 300*
13C3 HFPO-DA	*80.1*		*40 - 130*
d7-N-MeFOSE-M	*66.4*		*10 - 130*
d9-N-EtFOSE-M	*68.4*		*10 - 130*
d5-NEtPFOSA	*59.2*		*10 - 130*
d3-NMePFOSA	*56.5*		*10 - 130*

Lab Sample ID: 480-221807-1 MS
Client Sample ID: GW-MW-3-071824-MS
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 662002
Prep Batch: 661649

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorobutanoic acid (PFBA)	4.9		31.4	36.4		ng/L		101	70 - 140		
Perfluoropentanoic acid (PFPeA)	5.9		15.7	22.3		ng/L		105	65 - 135		
Perfluorohexanoic acid (PFHxA)	4.5		15.7	18.8		ng/L		91	70 - 145		
Perfluoroheptanoic acid (PFHpA)	2.1		15.7	17.5		ng/L		98	70 - 150		
Perfluorooctanoic acid (PFOA)	4.7		15.7	20.6		ng/L		102	70 - 150		
Perfluorononanoic acid (PFNA)	0.97	J	15.7	16.3		ng/L		98	70 - 150		
Perfluorodecanoic acid (PFDA)	1.5	U	15.7	18.4		ng/L		117	70 - 140		
Perfluoroundecanoic acid (PFUnA)	1.5	U	15.7	15.7		ng/L		100	70 - 145		
Perfluorododecanoic acid (PFDoA)	1.5	U	15.7	16.0		ng/L		102	70 - 140		
Perfluorotridecanoic acid (PFTriA)	1.5	U	15.7	17.8		ng/L		113	65 - 140		
Perfluorotetradecanoic acid (PFTeDA)	1.5	U	15.7	18.3		ng/L		116	60 - 140		

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-221807-1 MS
Client Sample ID: GW-MW-3-071824-MS
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 662002
Prep Batch: 661649

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanesulfonic acid (PFBS)	1.8		13.9	16.8		ng/L		108	60 - 145
Perfluoropentanesulfonic acid (PFPeS)	1.5	U	14.7	15.0		ng/L		102	65 - 140
Perfluorohexanesulfonic acid (PFHxS)	0.60	J	14.3	15.6		ng/L		105	65 - 145
Perfluoroheptanesulfonic acid (PFHpS)	1.5	U	14.9	16.3		ng/L		109	70 - 150
Perfluorooctanesulfonic acid (PFOS)	13		14.6	26.4		ng/L		95	55 - 150
Perfluorononanesulfonic acid (PFNS)	1.5	U	15.1	15.8		ng/L		105	65 - 145
Perfluorodecanesulfonic acid (PFDS)	1.5	U	15.1	15.5		ng/L		102	60 - 145
Perfluorododecanesulfonic acid (PFDoS)	1.5	U	15.2	15.0		ng/L		99	50 - 145
4:2 FTS	3.0	U	29.3	32.5		ng/L		111	70 - 145
6:2 FTS	3.0	U	29.7	28.2		ng/L		95	65 - 155
8:2 FTS	3.0	U	30.1	31.6		ng/L		105	60 - 150
Perfluorooctanesulfonamide (PFOSA)	0.38	J	15.7	17.2		ng/L		107	70 - 145
NMeFOSA	1.5	U	15.7	16.8		ng/L		107	60 - 150
NEtFOSA	1.5	U	15.7	17.8		ng/L		113	65 - 145
NMeFOSAA	1.5	U	15.7	17.1		ng/L		109	50 - 140
NEtFOSAA	1.5	U	15.7	13.6		ng/L		87	70 - 145
NMeFOSE	7.6	U	78.4	81.1		ng/L		103	70 - 145
NEtFOSE	7.6	U	78.4	84.9		ng/L		108	70 - 135
HFPO-DA (GenX)	1.1	U	15.7	17.7		ng/L		113	70 - 140
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.5	U	14.8	17.0		ng/L		115	65 - 145
PFMBA	1.5	U	15.7	16.0		ng/L		102	60 - 150
NFDHA	1.5	U	15.7	16.5		ng/L		105	50 - 150
PFMPA	1.5	U	15.7	16.2		ng/L		103	55 - 140
9Cl-PF3ONS	1.5	U	14.6	19.7	I	ng/L		135	70 - 155
11Cl-PF3OUdS	1.5	U	14.8	13.0		ng/L		88	55 - 160
PFEESA	1.5	U	14.0	13.5		ng/L		96	70 - 140
3:3 FTCA	3.0	U	31.4	28.7		ng/L		91	65 - 130
5:3 FTCA	7.6	U	78.4	71.4		ng/L		91	70 - 135
7:3 FTCA	7.6	U	78.4	72.3		ng/L		92	50 - 145

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C4 PFBA	*78.7*		*5 - 130*
13C5 PFPeA	*79.4*		*40 - 130*
13C5 PFHxA	*80.6*		*40 - 130*
13C4 PFHpA	*85.8*		*40 - 130*
13C8 PFOA	*81.2*		*40 - 130*
13C9 PFNA	*77.5*		*40 - 130*
13C6 PFDA	*77.2*		*40 - 130*
13C7 PFUnA	*77.4*		*30 - 130*
13C2 PFDoA	*71.5*		*10 - 130*
13C2 PFTeDA	*71.9*		*10 - 130*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-221807-1 MS
Matrix: Water
Analysis Batch: 662002

Client Sample ID: GW-MW-3-071824-MS
Prep Type: Total/NA
Prep Batch: 661649

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C3 PFBS	*81.3*		*40 - 135*
13C3 PFHxS	*78.6*		*40 - 130*
13C8 PFOS	*73.0*		*40 - 130*
13C8 FOSA	*75.0*		*40 - 130*
d3-NMeFOSAA	*77.6*		*40 - 170*
d5-NEtFOSAA	*79.0*		*25 - 135*
M2-4:2 FTS	*86.3*		*40 - 200*
M2-6:2 FTS	*89.3*		*40 - 200*
M2-8:2 FTS	*82.1*		*40 - 300*
13C3 HFPO-DA	*79.9*		*40 - 130*
d7-N-MeFOSE-M	*67.5*		*10 - 130*
d9-N-EtFOSE-M	*65.7*		*10 - 130*
d5-NEtPFOSA	*60.7*		*10 - 130*
d3-NMePFOSA	*60.4*		*10 - 130*

Lab Sample ID: 480-221807-1 MSD
Matrix: Water
Analysis Batch: 662002

Client Sample ID: GW-MW-3-071824-MSD
Prep Type: Total/NA
Prep Batch: 661649

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	4.9		31.1	36.4		ng/L		102	70 - 140	0	30
Perfluoropentanoic acid (PFPeA)	5.9		15.5	21.9		ng/L		103	65 - 135	2	30
Perfluorohexanoic acid (PFHxA)	4.5		15.5	19.3		ng/L		95	70 - 145	3	30
Perfluoroheptanoic acid (PFHpA)	2.1		15.5	18.3		ng/L		104	70 - 150	4	30
Perfluorooctanoic acid (PFOA)	4.7		15.5	21.3		ng/L		107	70 - 150	3	30
Perfluorononanoic acid (PFNA)	0.97	J	15.5	18.7		ng/L		114	70 - 150	13	30
Perfluorodecanoic acid (PFDA)	1.5	U	15.5	19.1		ng/L		123	70 - 140	4	30
Perfluoroundecanoic acid (PFUnA)	1.5	U	15.5	16.7		ng/L		107	70 - 145	6	30
Perfluorododecanoic acid (PFDoA)	1.5	U	15.5	16.4		ng/L		106	70 - 140	2	30
Perfluorotridecanoic acid (PFTriA)	1.5	U	15.5	17.6		ng/L		113	65 - 140	1	30
Perfluorotetradecanoic acid (PFTeDA)	1.5	U	15.5	17.3		ng/L		111	60 - 140	5	30
Perfluorobutanesulfonic acid (PFBS)	1.8		13.8	16.8		ng/L		109	60 - 145	0	30
Perfluoropentanesulfonic acid (PFPeS)	1.5	U	14.6	15.6		ng/L		107	65 - 140	4	30
Perfluorohexanesulfonic acid (PFHxS)	0.60	J	14.2	16.3		ng/L		111	65 - 145	4	30
Perfluoroheptanesulfonic acid (PFHpS)	1.5	U	14.8	16.2		ng/L		110	70 - 150	0	30
Perfluorooctanesulfonic acid (PFOS)	13		14.4	26.5		ng/L		97	55 - 150	1	30
Perfluorononanesulfonic acid (PFNS)	1.5	U	14.9	16.7		ng/L		112	65 - 145	6	30
Perfluorodecanesulfonic acid (PFDS)	1.5	U	15.0	14.2		ng/L		95	60 - 145	9	30
Perfluorododecanesulfonic acid (PFDoS)	1.5	U	15.1	13.7		ng/L		91	50 - 145	10	30
4:2 FTS	3.0	U	29.0	33.5		ng/L		116	70 - 145	3	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-221807-1 MSD
Matrix: Water
Analysis Batch: 662002

Client Sample ID: GW-MW-3-071824-MSD
Prep Type: Total/NA
Prep Batch: 661649

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
6:2 FTS	3.0	U	29.4	29.3		ng/L		100	65 - 155	4	30
8:2 FTS	3.0	U	29.8	31.3		ng/L		105	60 - 150	1	30
Perfluorooctanesulfonamide (PFOSA)	0.38	J	15.5	16.2		ng/L		102	70 - 145	6	30
NMeFOSA	1.5	U	15.5	17.0		ng/L		110	60 - 150	2	30
NEtFOSA	1.5	U	15.5	17.4		ng/L		112	65 - 145	2	30
NMeFOSAA	1.5	U	15.5	17.8		ng/L		115	50 - 140	4	30
NEtFOSAA	1.5	U	15.5	15.0		ng/L		97	70 - 145	10	30
NMeFOSE	7.6	U	77.6	85.2		ng/L		110	70 - 145	5	30
NEtFOSE	7.6	U	77.6	89.8		ng/L		116	70 - 135	6	30
HFPO-DA (GenX)	1.1	U	15.5	16.0		ng/L		103	70 - 140	10	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.5	U	14.7	15.3		ng/L		104	65 - 145	11	30
PFMBA	1.5	U	15.5	15.7		ng/L		101	60 - 150	2	30
NFDHA	1.5	U	15.5	16.5		ng/L		106	50 - 150	1	30
PFMPA	1.5	U	15.5	15.8		ng/L		102	55 - 140	2	30
9Cl-PF3ONS	1.5	U	14.5	17.6		ng/L		122	70 - 155	11	30
11Cl-PF3OUdS	1.5	U	14.6	11.0		ng/L		75	55 - 160	17	30
PFEESA	1.5	U	13.9	13.5		ng/L		97	70 - 140	0	30
3:3 FTCA	3.0	U	31.1	27.9		ng/L		90	65 - 130	3	30
5:3 FTCA	7.6	U	77.6	74.1		ng/L		95	70 - 135	4	30
7:3 FTCA	7.6	U	77.6	73.8		ng/L		95	50 - 145	2	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*78.4*		*5 - 130*
13C5 PFPeA	*80.2*		*40 - 130*
13C5 PFHxA	*78.9*		*40 - 130*
13C4 PFHpA	*83.2*		*40 - 130*
13C8 PFOA	*80.1*		*40 - 130*
13C9 PFNA	*73.5*		*40 - 130*
13C6 PFDA	*71.8*		*40 - 130*
13C7 PFUnA	*68.0*		*30 - 130*
13C2 PFDoA	*63.5*		*10 - 130*
13C2 PFTeDA	*60.9*		*10 - 130*
13C3 PFBS	*78.1*		*40 - 135*
13C3 PFHxS	*74.9*		*40 - 130*
13C8 PFOS	*70.3*		*40 - 130*
13C8 FOSA	*74.9*		*40 - 130*
d3-NMeFOSAA	*67.4*		*40 - 170*
d5-NEtFOSAA	*70.1*		*25 - 135*
M2-4:2 FTS	*80.0*		*40 - 200*
M2-6:2 FTS	*80.4*		*40 - 200*
M2-8:2 FTS	*79.6*		*40 - 300*
13C3 HFPO-DA	*84.9*		*40 - 130*
d7-N-MeFOSE-M	*60.8*		*10 - 130*
d9-N-EtFOSE-M	*58.5*		*10 - 130*
d5-NEtPFOSA	*57.6*		*10 - 130*
d3-NMePFOSA	*57.5*		*10 - 130*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-719043/1-A
Matrix: Water
Analysis Batch: 719269

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.20	U	0.20	0.060	mg/L		07/22/24 09:20	07/22/24 19:45	1
Antimony	0.020	U	0.020	0.0068	mg/L		07/22/24 09:20	07/22/24 19:45	1
Barium	0.0020	U	0.0020	0.00070	mg/L		07/22/24 09:20	07/22/24 19:45	1
Beryllium	0.0020	U	0.0020	0.00030	mg/L		07/22/24 09:20	07/22/24 19:45	1
Cadmium	0.0020	U	0.0020	0.00050	mg/L		07/22/24 09:20	07/22/24 19:45	1
Calcium	0.50	U	0.50	0.10	mg/L		07/22/24 09:20	07/22/24 19:45	1
Chromium	0.0040	U	0.0040	0.0010	mg/L		07/22/24 09:20	07/22/24 19:45	1
Cobalt	0.0040	U	0.0040	0.00063	mg/L		07/22/24 09:20	07/22/24 19:45	1
Copper	0.010	U	0.010	0.0016	mg/L		07/22/24 09:20	07/22/24 19:45	1
Iron	0.050	U	0.050	0.019	mg/L		07/22/24 09:20	07/22/24 19:45	1
Lead	0.010	U	0.010	0.0030	mg/L		07/22/24 09:20	07/22/24 19:45	1
Magnesium	0.20	U	0.20	0.043	mg/L		07/22/24 09:20	07/22/24 19:45	1
Manganese	0.0030	U	0.0030	0.00040	mg/L		07/22/24 09:20	07/22/24 19:45	1
Nickel	0.010	U	0.010	0.0013	mg/L		07/22/24 09:20	07/22/24 19:45	1
Potassium	0.50	U	0.50	0.10	mg/L		07/22/24 09:20	07/22/24 19:45	1
Selenium	0.025	U	0.025	0.0087	mg/L		07/22/24 09:20	07/22/24 19:45	1
Silver	0.0060	U	0.0060	0.0017	mg/L		07/22/24 09:20	07/22/24 19:45	1
Sodium	1.0	U	1.0	0.32	mg/L		07/22/24 09:20	07/22/24 19:45	1
Thallium	0.020	U	0.020	0.010	mg/L		07/22/24 09:20	07/22/24 19:45	1
Vanadium	0.0050	U	0.0050	0.0015	mg/L		07/22/24 09:20	07/22/24 19:45	1
Zinc	0.010	U	0.010	0.0015	mg/L		07/22/24 09:20	07/22/24 19:45	1

Lab Sample ID: MB 480-719043/1-A
Matrix: Water
Analysis Batch: 719349

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719043

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.015	U	0.015	0.0056	mg/L		07/22/24 09:20	07/23/24 12:33	1

Lab Sample ID: LCS 480-719043/2-A
Matrix: Water
Analysis Batch: 719269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5.10	4.95		mg/L		97	80 - 120
Antimony	0.500	0.490		mg/L		98	80 - 120
Barium	1.00	0.992		mg/L		99	80 - 120
Beryllium	0.500	0.512		mg/L		102	80 - 120
Cadmium	0.500	0.505		mg/L		101	80 - 120
Calcium	25.0	25.46		mg/L		102	80 - 120
Chromium	0.500	0.505		mg/L		101	80 - 120
Cobalt	0.500	0.492		mg/L		98	80 - 120
Copper	0.500	0.487		mg/L		97	80 - 120
Iron	5.10	5.28		mg/L		103	80 - 120
Lead	0.500	0.484		mg/L		97	80 - 120
Magnesium	25.0	24.68		mg/L		99	80 - 120
Manganese	0.500	0.495		mg/L		99	80 - 120
Nickel	0.500	0.517		mg/L		103	80 - 120
Potassium	25.0	24.97		mg/L		100	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-719043/2-A
Matrix: Water
Analysis Batch: 719269

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	1.00	0.935		mg/L		94	80 - 120
Silver	0.0500	0.0489		mg/L		98	80 - 120
Sodium	25.0	25.22		mg/L		101	80 - 120
Thallium	1.00	0.938		mg/L		94	80 - 120
Vanadium	0.500	0.498		mg/L		100	80 - 120
Zinc	0.500	0.556		mg/L		111	80 - 120

Lab Sample ID: LCS 480-719043/2-A
Matrix: Water
Analysis Batch: 719349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719043

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1.00	1.02		mg/L		102	80 - 120

Lab Sample ID: 480-221807-1 MS
Matrix: Water
Analysis Batch: 719269

Client Sample ID: GW-MW-3-071824-MS
Prep Type: Total/NA
Prep Batch: 719043

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	0.90		5.10	5.69		mg/L		94	75 - 125
Antimony	0.020	U	0.500	0.487		mg/L		97	75 - 125
Barium	0.028		1.00	1.02		mg/L		99	75 - 125
Beryllium	0.0020	U	0.500	0.510		mg/L		102	75 - 125
Cadmium	0.0020	U	0.500	0.510		mg/L		102	75 - 125
Calcium	98.4		25.0	120.1		mg/L		87	75 - 125
Chromium	0.0023	J	0.500	0.495		mg/L		99	75 - 125
Cobalt	0.0012	J	0.500	0.491		mg/L		98	75 - 125
Copper	0.0016	J	0.500	0.499		mg/L		100	75 - 125
Iron	1.3		5.10	6.22		mg/L		96	75 - 125
Lead	0.010	U	0.500	0.492		mg/L		98	75 - 125
Magnesium	23.1		25.0	47.37		mg/L		97	75 - 125
Manganese	0.045		0.500	0.524		mg/L		96	75 - 125
Nickel	0.010	U	0.500	0.498		mg/L		100	75 - 125
Potassium	1.5		25.0	26.76		mg/L		101	75 - 125
Selenium	0.025	U	1.00	0.938		mg/L		94	75 - 125
Silver	0.0060	U	0.0500	0.0498		mg/L		100	75 - 125
Sodium	175		25.0	196.2	4	mg/L		83	75 - 125
Thallium	0.020	U	1.00	0.955		mg/L		96	75 - 125
Vanadium	0.0019	J	0.500	0.495		mg/L		99	75 - 125
Zinc	0.0031	J	0.500	0.540		mg/L		107	75 - 125

Lab Sample ID: 480-221807-1 MS
Matrix: Water
Analysis Batch: 719349

Client Sample ID: GW-MW-3-071824-MS
Prep Type: Total/NA
Prep Batch: 719043

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0060	J	1.00	1.02		mg/L		101	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-221807-1 MSD
Matrix: Water
Analysis Batch: 719269

Client Sample ID: GW-MW-3-071824-MSD
Prep Type: Total/NA
Prep Batch: 719043

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	0.90		5.10	5.59		mg/L		92	75 - 125	2	20
Antimony	0.020	U	0.500	0.497		mg/L		99	75 - 125	2	20
Barium	0.028		1.00	1.03		mg/L		101	75 - 125	2	20
Beryllium	0.0020	U	0.500	0.522		mg/L		104	75 - 125	2	20
Cadmium	0.0020	U	0.500	0.525		mg/L		105	75 - 125	3	20
Calcium	98.4		25.0	119.8		mg/L		86	75 - 125	0	20
Chromium	0.0023	J	0.500	0.507		mg/L		101	75 - 125	2	20
Cobalt	0.0012	J	0.500	0.505		mg/L		101	75 - 125	3	20
Copper	0.0016	J	0.500	0.512		mg/L		102	75 - 125	3	20
Iron	1.3		5.10	6.12		mg/L		94	75 - 125	2	20
Lead	0.010	U	0.500	0.501		mg/L		100	75 - 125	2	20
Magnesium	23.1		25.0	47.65		mg/L		98	75 - 125	1	20
Manganese	0.045		0.500	0.534		mg/L		98	75 - 125	2	20
Nickel	0.010	U	0.500	0.513		mg/L		103	75 - 125	3	20
Potassium	1.5		25.0	26.87		mg/L		102	75 - 125	0	20
Selenium	0.025	U	1.00	0.968		mg/L		97	75 - 125	3	20
Silver	0.0060	U	0.0500	0.0491		mg/L		98	75 - 125	1	20
Sodium	175		25.0	195.7	4	mg/L		81	75 - 125	0	20
Thallium	0.020	U	1.00	0.972		mg/L		97	75 - 125	2	20
Vanadium	0.0019	J	0.500	0.507		mg/L		101	75 - 125	2	20
Zinc	0.0031	J	0.500	0.548		mg/L		109	75 - 125	2	20

Lab Sample ID: 480-221807-1 MSD
Matrix: Water
Analysis Batch: 719349

Client Sample ID: GW-MW-3-071824-MSD
Prep Type: Total/NA
Prep Batch: 719043

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0060	J	1.00	1.05		mg/L		104	75 - 125	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-719136/1-A
Matrix: Water
Analysis Batch: 719259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 719136

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00020	U	0.00020	0.000042	mg/L		07/22/24 10:35	07/22/24 18:11	1

Lab Sample ID: LCS 480-719136/2-A
Matrix: Water
Analysis Batch: 719259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 719136

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00669	0.00749		mg/L		112	80 - 120		

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 480-221807-1 MS
Matrix: Water
Analysis Batch: 719259

Client Sample ID: GW-MW-3-071824-MS
Prep Type: Total/NA
Prep Batch: 719136

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00020	U	0.00669	0.00721		mg/L		108	80 - 120

Lab Sample ID: 480-221807-1 MSD
Matrix: Water
Analysis Batch: 719259

Client Sample ID: GW-MW-3-071824-MSD
Prep Type: Total/NA
Prep Batch: 719136

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00020	U	0.00669	0.00731		mg/L		109	80 - 120	1	20

Method: 9012B - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-719204/47
Matrix: Water
Analysis Batch: 719204

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0041	mg/L			07/19/24 19:07	1

Lab Sample ID: MB 480-719204/75
Matrix: Water
Analysis Batch: 719204

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0041	mg/L			07/19/24 20:40	1

Lab Sample ID: HLCS 480-719204/22
Matrix: Water
Analysis Batch: 719204

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	HLCS Result	HLCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.400	0.385		mg/L		96	90 - 110

Lab Sample ID: LCS 480-719204/48
Matrix: Water
Analysis Batch: 719204

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.236		mg/L		94	90 - 110

Lab Sample ID: LCS 480-719204/76
Matrix: Water
Analysis Batch: 719204

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Total	0.250	0.243		mg/L		97	90 - 110

Method: 9012B - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: 480-221807-1 MS
Client Sample ID: GW-MW-3-071824-MS
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 719204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	0.0049	J F1	0.100	0.0855	F1	mg/L		81	90 - 110		

Lab Sample ID: 480-221807-1 MSD
Client Sample ID: GW-MW-3-071824-MSD
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 719204

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.0049	J F1	0.100	0.0941	F1	mg/L		89	90 - 110	10	15

GC/MS VOA

Analysis Batch: 719153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	8260C	
480-221807-2	GW-MW-1-071824	Total/NA	Water	8260C	
480-221807-3	GW-PES-2-071824	Total/NA	Water	8260C	
480-221807-4	FD-071824	Total/NA	Water	8260C	
MB 480-719153/9	Method Blank	Total/NA	Water	8260C	
LCS 480-719153/7	Lab Control Sample	Total/NA	Water	8260C	
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	8260C	
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	8260C	

Analysis Batch: 719182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-5	EB-071824	Total/NA	Water	8260C	
480-221807-7	TB-02-071824	Total/NA	Water	8260C	
MB 480-719182/8	Method Blank	Total/NA	Water	8260C	
LCS 480-719182/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 719187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	3510C	
480-221807-2	GW-MW-1-071824	Total/NA	Water	3510C	
480-221807-3	GW-PES-2-071824	Total/NA	Water	3510C	
480-221807-4	FD-071824	Total/NA	Water	3510C	
480-221807-5	EB-071824	Total/NA	Water	3510C	
MB 480-719187/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-719187/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-719187/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	3510C	
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	3510C	

Prep Batch: 719258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	3510C	
480-221807-2	GW-MW-1-071824	Total/NA	Water	3510C	
480-221807-3	GW-PES-2-071824	Total/NA	Water	3510C	
480-221807-4	FD-071824	Total/NA	Water	3510C	
480-221807-5	EB-071824	Total/NA	Water	3510C	
MB 480-719258/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-719258/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	3510C	
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	3510C	

Analysis Batch: 719409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	8270D	719187
480-221807-2	GW-MW-1-071824	Total/NA	Water	8270D	719187
480-221807-3	GW-PES-2-071824	Total/NA	Water	8270D	719187
480-221807-4	FD-071824	Total/NA	Water	8270D	719187
480-221807-5	EB-071824	Total/NA	Water	8270D	719187
MB 480-719187/1-A	Method Blank	Total/NA	Water	8270D	719187

GC/MS Semi VOA (Continued)

Analysis Batch: 719409 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-719187/2-A	Lab Control Sample	Total/NA	Water	8270D	719187
LCSD 480-719187/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	719187
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	8270D	719187
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	8270D	719187

Analysis Batch: 719439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	8270D SIM ID	719258
480-221807-2	GW-MW-1-071824	Total/NA	Water	8270D SIM ID	719258
480-221807-3	GW-PES-2-071824	Total/NA	Water	8270D SIM ID	719258
480-221807-4	FD-071824	Total/NA	Water	8270D SIM ID	719258
480-221807-5	EB-071824	Total/NA	Water	8270D SIM ID	719258
MB 480-719258/1-A	Method Blank	Total/NA	Water	8270D SIM ID	719258
LCS 480-719258/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	719258
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	8270D SIM ID	719258
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	8270D SIM ID	719258

GC Semi VOA

Prep Batch: 719061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	3510C	
480-221807-2	GW-MW-1-071824	Total/NA	Water	3510C	
480-221807-3	GW-PES-2-071824	Total/NA	Water	3510C	
480-221807-4	FD-071824	Total/NA	Water	3510C	
480-221807-5	EB-071824	Total/NA	Water	3510C	
MB 480-719061/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-719061/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	3510C	
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	3510C	

Prep Batch: 719063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	3510C	
480-221807-2	GW-MW-1-071824	Total/NA	Water	3510C	
480-221807-3	GW-PES-2-071824	Total/NA	Water	3510C	
480-221807-4	FD-071824	Total/NA	Water	3510C	
480-221807-5	EB-071824	Total/NA	Water	3510C	
MB 480-719063/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-719063/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	3510C	
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	3510C	

Analysis Batch: 719103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	8082A	719063
480-221807-2	GW-MW-1-071824	Total/NA	Water	8082A	719063
480-221807-3	GW-PES-2-071824	Total/NA	Water	8082A	719063
480-221807-4	FD-071824	Total/NA	Water	8082A	719063
480-221807-5	EB-071824	Total/NA	Water	8082A	719063
MB 480-719063/1-A	Method Blank	Total/NA	Water	8082A	719063

GC Semi VOA (Continued)

Analysis Batch: 719103 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-719063/2-A	Lab Control Sample	Total/NA	Water	8082A	719063
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	8082A	719063
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	8082A	719063

Analysis Batch: 719110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	8081B	719061
480-221807-2	GW-MW-1-071824	Total/NA	Water	8081B	719061
480-221807-3	GW-PES-2-071824	Total/NA	Water	8081B	719061
480-221807-4	FD-071824	Total/NA	Water	8081B	719061
480-221807-5	EB-071824	Total/NA	Water	8081B	719061
MB 480-719061/1-A	Method Blank	Total/NA	Water	8081B	719061
LCS 480-719061/2-A	Lab Control Sample	Total/NA	Water	8081B	719061
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	8081B	719061
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	8081B	719061

LCMS

Prep Batch: 661649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	1633	
480-221807-2	GW-MW-1-071824	Total/NA	Water	1633	
480-221807-3	GW-PES-2-071824	Total/NA	Water	1633	
480-221807-4	FD-071824	Total/NA	Water	1633	
480-221807-5	EB-071824	Total/NA	Water	1633	
480-221807-6	REAGENT-071824	Total/NA	Water	1633	
MB 280-661649/1-A	Method Blank	Total/NA	Water	1633	
LCS 280-661649/3-A	Lab Control Sample	Total/NA	Water	1633	
LLCS 280-661649/2-A	Lab Control Sample	Total/NA	Water	1633	
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	1633	
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	1633	

Analysis Batch: 662002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	1633	661649
480-221807-2	GW-MW-1-071824	Total/NA	Water	1633	661649
480-221807-3	GW-PES-2-071824	Total/NA	Water	1633	661649
480-221807-4	FD-071824	Total/NA	Water	1633	661649
480-221807-5	EB-071824	Total/NA	Water	1633	661649
480-221807-6	REAGENT-071824	Total/NA	Water	1633	661649
MB 280-661649/1-A	Method Blank	Total/NA	Water	1633	661649
LCS 280-661649/3-A	Lab Control Sample	Total/NA	Water	1633	661649
LLCS 280-661649/2-A	Lab Control Sample	Total/NA	Water	1633	661649
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	1633	661649
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	1633	661649

Metals

Prep Batch: 719043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	3005A	
480-221807-2	GW-MW-1-071824	Total/NA	Water	3005A	

Metals (Continued)

Prep Batch: 719043 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-3	GW-PES-2-071824	Total/NA	Water	3005A	
480-221807-4	FD-071824	Total/NA	Water	3005A	
480-221807-5	EB-071824	Total/NA	Water	3005A	
MB 480-719043/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-719043/2-A	Lab Control Sample	Total/NA	Water	3005A	
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	3005A	
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	3005A	

Prep Batch: 719136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	7470A	
480-221807-2	GW-MW-1-071824	Total/NA	Water	7470A	
480-221807-3	GW-PES-2-071824	Total/NA	Water	7470A	
480-221807-4	FD-071824	Total/NA	Water	7470A	
480-221807-5	EB-071824	Total/NA	Water	7470A	
MB 480-719136/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-719136/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	7470A	
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	7470A	

Analysis Batch: 719259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	7470A	719136
480-221807-2	GW-MW-1-071824	Total/NA	Water	7470A	719136
480-221807-3	GW-PES-2-071824	Total/NA	Water	7470A	719136
480-221807-4	FD-071824	Total/NA	Water	7470A	719136
480-221807-5	EB-071824	Total/NA	Water	7470A	719136
MB 480-719136/1-A	Method Blank	Total/NA	Water	7470A	719136
LCS 480-719136/2-A	Lab Control Sample	Total/NA	Water	7470A	719136
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	7470A	719136
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	7470A	719136

Analysis Batch: 719269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	6010C	719043
480-221807-2	GW-MW-1-071824	Total/NA	Water	6010C	719043
480-221807-3	GW-PES-2-071824	Total/NA	Water	6010C	719043
480-221807-4	FD-071824	Total/NA	Water	6010C	719043
480-221807-5	EB-071824	Total/NA	Water	6010C	719043
MB 480-719043/1-A	Method Blank	Total/NA	Water	6010C	719043
LCS 480-719043/2-A	Lab Control Sample	Total/NA	Water	6010C	719043
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	6010C	719043
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	6010C	719043

Analysis Batch: 719349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	6010C	719043
480-221807-2	GW-MW-1-071824	Total/NA	Water	6010C	719043
480-221807-3	GW-PES-2-071824	Total/NA	Water	6010C	719043
480-221807-4	FD-071824	Total/NA	Water	6010C	719043
480-221807-5	EB-071824	Total/NA	Water	6010C	719043

Metals (Continued)

Analysis Batch: 719349 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-719043/1-A	Method Blank	Total/NA	Water	6010C	719043
LCS 480-719043/2-A	Lab Control Sample	Total/NA	Water	6010C	719043
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	6010C	719043
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	6010C	719043

General Chemistry

Analysis Batch: 719204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-221807-1	GW-MW-3-071824	Total/NA	Water	9012B	
480-221807-2	GW-MW-1-071824	Total/NA	Water	9012B	
480-221807-3	GW-PES-2-071824	Total/NA	Water	9012B	
480-221807-4	FD-071824	Total/NA	Water	9012B	
480-221807-5	EB-071824	Total/NA	Water	9012B	
MB 480-719204/47	Method Blank	Total/NA	Water	9012B	
MB 480-719204/75	Method Blank	Total/NA	Water	9012B	
HLCS 480-719204/22	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-719204/48	Lab Control Sample	Total/NA	Water	9012B	
LCS 480-719204/76	Lab Control Sample	Total/NA	Water	9012B	
480-221807-1 MS	GW-MW-3-071824-MS	Total/NA	Water	9012B	
480-221807-1 MSD	GW-MW-3-071824-MSD	Total/NA	Water	9012B	

Lab Chronicle

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-221807-1

Client Sample ID: GW-MW-3-071824

Lab Sample ID: 480-221807-1

Date Collected: 07/18/24 09:00

Matrix: Water

Date Received: 07/19/24 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	719153	ERS	EET BUF	07/22/24 14:43
Total/NA	Prep	3510C			719187	LSC	EET BUF	07/22/24 13:14
Total/NA	Analysis	8270D		1	719409	EMD	EET BUF	07/25/24 04:54
Total/NA	Prep	3510C			719258	DP	EET BUF	07/23/24 07:26
Total/NA	Analysis	8270D SIM ID		1	719439	JMM	EET BUF	07/24/24 16:24
Total/NA	Prep	3510C			719061	SJM	EET BUF	07/19/24 16:10
Total/NA	Analysis	8081B		1	719110	MAN	EET BUF	07/22/24 10:10
Total/NA	Prep	3510C			719063	SJM	EET BUF	07/19/24 16:14
Total/NA	Analysis	8082A		1	719103	W1T	EET BUF	07/22/24 08:20
Total/NA	Prep	1633			661649	SSS	EET DEN	07/25/24 11:51
Total/NA	Analysis	1633		1	662002	SM	EET DEN	07/29/24 19:46
Total/NA	Prep	3005A			719043	EMO	EET BUF	07/22/24 09:20
Total/NA	Analysis	6010C		1	719269	NZG	EET BUF	07/22/24 20:04
Total/NA	Prep	3005A			719043	EMO	EET BUF	07/22/24 09:20
Total/NA	Analysis	6010C		1	719349	NZG	EET BUF	07/23/24 12:52
Total/NA	Prep	7470A			719136	ESB	EET BUF	07/22/24 10:35
Total/NA	Analysis	7470A		1	719259	ESB	EET BUF	07/22/24 18:16
Total/NA	Analysis	9012B		1	719204	GW	EET BUF	07/19/24 19:54

Client Sample ID: GW-MW-1-071824

Lab Sample ID: 480-221807-2

Date Collected: 07/18/24 10:45

Matrix: Water

Date Received: 07/19/24 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	719153	ERS	EET BUF	07/22/24 15:06
Total/NA	Prep	3510C			719187	LSC	EET BUF	07/22/24 13:14
Total/NA	Analysis	8270D		1	719409	EMD	EET BUF	07/25/24 05:20
Total/NA	Prep	3510C			719258	DP	EET BUF	07/23/24 07:26
Total/NA	Analysis	8270D SIM ID		1	719439	JMM	EET BUF	07/24/24 16:45
Total/NA	Prep	3510C			719061	SJM	EET BUF	07/19/24 16:10
Total/NA	Analysis	8081B		1	719110	MAN	EET BUF	07/22/24 10:30
Total/NA	Prep	3510C			719063	SJM	EET BUF	07/19/24 16:14
Total/NA	Analysis	8082A		1	719103	W1T	EET BUF	07/22/24 08:37
Total/NA	Prep	1633			661649	SSS	EET DEN	07/25/24 11:51
Total/NA	Analysis	1633		1	662002	SM	EET DEN	07/29/24 20:44
Total/NA	Prep	3005A			719043	EMO	EET BUF	07/22/24 09:20
Total/NA	Analysis	6010C		1	719269	NZG	EET BUF	07/22/24 20:14
Total/NA	Prep	3005A			719043	EMO	EET BUF	07/22/24 09:20
Total/NA	Analysis	6010C		1	719349	NZG	EET BUF	07/23/24 13:01
Total/NA	Prep	7470A			719136	ESB	EET BUF	07/22/24 10:35
Total/NA	Analysis	7470A		1	719259	ESB	EET BUF	07/22/24 17:15
Total/NA	Analysis	9012B		1	719204	GW	EET BUF	07/19/24 20:11

Client Sample ID: GW-PES-2-071824

Lab Sample ID: 480-221807-3

Date Collected: 07/18/24 12:50

Matrix: Water

Date Received: 07/19/24 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	719153	ERS	EET BUF	07/22/24 15:28
Total/NA	Prep	3510C			719187	LSC	EET BUF	07/22/24 13:14
Total/NA	Analysis	8270D		1	719409	EMD	EET BUF	07/25/24 05:47
Total/NA	Prep	3510C			719258	DP	EET BUF	07/23/24 07:26
Total/NA	Analysis	8270D SIM ID		1	719439	JMM	EET BUF	07/24/24 17:07
Total/NA	Prep	3510C			719061	SJM	EET BUF	07/19/24 16:10
Total/NA	Analysis	8081B		1	719110	MAN	EET BUF	07/22/24 10:49
Total/NA	Prep	3510C			719063	SJM	EET BUF	07/19/24 16:14
Total/NA	Analysis	8082A		1	719103	W1T	EET BUF	07/22/24 08:54
Total/NA	Prep	1633			661649	SSS	EET DEN	07/25/24 11:51
Total/NA	Analysis	1633		1	662002	SM	EET DEN	07/29/24 21:04
Total/NA	Prep	3005A			719043	EMO	EET BUF	07/22/24 09:20
Total/NA	Analysis	6010C		1	719269	NZG	EET BUF	07/22/24 20:16
Total/NA	Prep	3005A			719043	EMO	EET BUF	07/22/24 09:20
Total/NA	Analysis	6010C		1	719349	NZG	EET BUF	07/23/24 13:09
Total/NA	Prep	7470A			719136	ESB	EET BUF	07/22/24 10:35
Total/NA	Analysis	7470A		1	719259	ESB	EET BUF	07/22/24 17:16
Total/NA	Analysis	9012B		1	719204	GW	EET BUF	07/19/24 20:15

Client Sample ID: FD-071824

Lab Sample ID: 480-221807-4

Date Collected: 07/18/24 00:00

Matrix: Water

Date Received: 07/19/24 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	719153	ERS	EET BUF	07/22/24 15:51
Total/NA	Prep	3510C			719187	LSC	EET BUF	07/22/24 13:14
Total/NA	Analysis	8270D		1	719409	EMD	EET BUF	07/25/24 06:13
Total/NA	Prep	3510C			719258	DP	EET BUF	07/23/24 07:26
Total/NA	Analysis	8270D SIM ID		1	719439	JMM	EET BUF	07/24/24 17:28
Total/NA	Prep	3510C			719061	SJM	EET BUF	07/19/24 16:10
Total/NA	Analysis	8081B		1	719110	MAN	EET BUF	07/22/24 11:09
Total/NA	Prep	3510C			719063	SJM	EET BUF	07/19/24 16:14
Total/NA	Analysis	8082A		1	719103	W1T	EET BUF	07/22/24 09:10
Total/NA	Prep	1633			661649	SSS	EET DEN	07/25/24 11:51
Total/NA	Analysis	1633		1	662002	SM	EET DEN	07/29/24 21:23
Total/NA	Prep	3005A			719043	EMO	EET BUF	07/22/24 09:20
Total/NA	Analysis	6010C		1	719269	NZG	EET BUF	07/22/24 20:23
Total/NA	Prep	3005A			719043	EMO	EET BUF	07/22/24 09:20
Total/NA	Analysis	6010C		1	719349	NZG	EET BUF	07/23/24 13:10
Total/NA	Prep	7470A			719136	ESB	EET BUF	07/22/24 10:35
Total/NA	Analysis	7470A		1	719259	ESB	EET BUF	07/22/24 17:17
Total/NA	Analysis	9012B		1	719204	GW	EET BUF	07/19/24 20:17

Lab Chronicle

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-221807-1

Client Sample ID: EB-071824

Lab Sample ID: 480-221807-5

Date Collected: 07/18/24 11:50

Matrix: Water

Date Received: 07/19/24 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	719182	AXK	EET BUF	07/22/24 18:27
Total/NA	Prep	3510C			719187	LSC	EET BUF	07/22/24 13:14
Total/NA	Analysis	8270D		1	719409	EMD	EET BUF	07/25/24 06:40
Total/NA	Prep	3510C			719258	DP	EET BUF	07/23/24 07:26
Total/NA	Analysis	8270D SIM ID		1	719439	JMM	EET BUF	07/24/24 17:48
Total/NA	Prep	3510C			719061	SJM	EET BUF	07/19/24 16:10
Total/NA	Analysis	8081B		1	719110	MAN	EET BUF	07/22/24 11:28
Total/NA	Prep	3510C			719063	SJM	EET BUF	07/19/24 16:14
Total/NA	Analysis	8082A		1	719103	W1T	EET BUF	07/22/24 09:27
Total/NA	Prep	1633			661649	SSS	EET DEN	07/25/24 11:51
Total/NA	Analysis	1633		1	662002	SM	EET DEN	07/29/24 21:42
Total/NA	Prep	3005A			719043	EMO	EET BUF	07/22/24 09:20
Total/NA	Analysis	6010C		1	719269	NZG	EET BUF	07/22/24 20:25
Total/NA	Prep	3005A			719043	EMO	EET BUF	07/22/24 09:20
Total/NA	Analysis	6010C		1	719349	NZG	EET BUF	07/23/24 13:12
Total/NA	Prep	7470A			719136	ESB	EET BUF	07/22/24 10:35
Total/NA	Analysis	7470A		1	719259	ESB	EET BUF	07/22/24 17:19
Total/NA	Analysis	9012B		1	719204	GW	EET BUF	07/19/24 20:21

Client Sample ID: REAGENT-071824

Lab Sample ID: 480-221807-6

Date Collected: 07/18/24 09:50

Matrix: Water

Date Received: 07/19/24 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633			661649	SSS	EET DEN	07/25/24 11:51
Total/NA	Analysis	1633		1	662002	SM	EET DEN	07/29/24 22:02

Client Sample ID: TB-02-071824

Lab Sample ID: 480-221807-7

Date Collected: 07/18/24 00:00

Matrix: Water

Date Received: 07/19/24 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	719182	AXK	EET BUF	07/22/24 18:03

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

Laboratory: Eurofins Denver

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	59923	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
1633	1633	Water	3:3 FTCA
1633	1633	Water	5:3 FTCA
1633	1633	Water	7:3 FTCA
1633	1633	Water	NEtFOSA
1633	1633	Water	NEtFOSE
1633	1633	Water	NMeFOSA
1633	1633	Water	NMeFOSE
1633	1633	Water	Perfluorodecanesulfonic acid (PFDS)
1633	1633	Water	Perfluorododecanesulfonic acid (PFDoS)
1633	1633	Water	Perfluorononanesulfonic acid (PFNS)
1633	1633	Water	Perfluorooctanesulfonamide (PFOSA)

Method Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
8270D SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	EET BUF
8081B	Organochlorine Pesticides (GC)	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET DEN
6010C	Metals (ICP)	SW846	EET BUF
7470A	Mercury (CVAA)	SW846	EET BUF
9012B	Cyanide, Total and/or Amenable	SW846	EET BUF
1633	Solid-Phase Extraction (SPE)	EPA	EET DEN
3005A	Preparation, Total Metals	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
7470A	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-221807-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-221807-1	GW-MW-3-071824	Water	07/18/24 09:00	07/19/24 10:45
480-221807-2	GW-MW-1-071824	Water	07/18/24 10:45	07/19/24 10:45
480-221807-3	GW-PES-2-071824	Water	07/18/24 12:50	07/19/24 10:45
480-221807-4	FD-071824	Water	07/18/24 00:00	07/19/24 10:45
480-221807-5	EB-071824	Water	07/18/24 11:50	07/19/24 10:45
480-221807-6	REAGENT-071824	Water	07/18/24 09:50	07/19/24 10:45
480-221807-7	TB-02-071824	Water	07/18/24 00:00	07/19/24 10:45

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Albany #224

Chain of Custody Record

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Client Information	Sampler: AV / EL / Emily Downs	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-198010-40979.1
Client Contact: Ms. Rebecca McDonald	Phone:	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 1 (ED)
Company: Ramboll Americas Engineering Solutions	PWSID:			Job #:
Address: 94 New Karner Road Suite 106	Due Date Requested:			
City: Albany	TAT Requested (days):			
State, Zip: NY, 12203	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1940009211			
Email: Rebecca.McDonald@ramboll.com	WO #:			
Project Name: NYSDEC - Silvestri Dry Cleaners Site	Project #: 48027521			
Site: NY	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
N - None
D - HNO3
B - NaOH

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs + TICs	1633_Final - PFAS - NY Standard 40 Analyte List	8082A - TCL PCBs	8081B - TCL Organochlorine Pesticides	8270D - TCL SVOCs + TICs	8270D_SIM_MS_ID - 1,4 Dioxane	6010C, 7470A	9012B - Cyanide, Total		Special Instructions/Note:
Preservation Code:							A	N	N	N	N	N	D	B		
GW-MW-3-071824	07/18/24	0900	G	Water			X	X	X	X	X	X	X	X	16	
GW-MW-3-071824-MS		0900		Water			X	X	X	X	X	X	X	X	16	
GW-MW-3-071824-MSD		0900		Water			X	X	X	X	X	X	X	X	16	
GW-MW-1-071824		1045		Water			X	X	X	X	X	X	X	X	16	
GW-PES-2-071824		1250		Water			X	X	X	X	X	X	X	X	16	
~~FD-071824~~ (ED) FD-071824		—		Water			X	X	X	X	X	X	X	X	16	
EB-071824		1150		Water			X	X	X	X	X	X	X	X	16	
REAGENT-071824		0950		Water			X	X							3	
TB-02-071824		—		Water			X								3	4
~~TB-03-071824~~ (ED)		—		Water			X			(ED)					3	
~~TB-04-071824~~ (ED)		—		Water			X								3	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

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: Fedex

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Emily Downs	Date/Time: 07/18/24 1400	Company	Received by:	Date/Time: 7-18-24 1400	Company: EETN
Relinquished by:	Date/Time: 7-18-24 1515	Company	Received by: KS	Date/Time: 7/19/24 1045	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.3, 1.8, 4.4, 1.8 #1 Ice

Ver: 04/02/2024

480-221807 Chain of Custody

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-88558.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 480-221807-1
Address: 4955 Yarrow Street, ,	Due Date Requested: 8/15/2024			Preservation Codes: -
City: Arvada	TAT Requested (days):			
State, Zip: CO, 80002				
Phone: 303-736-0100(Tel) 303-431-7171(Fax)	PO #:			
Email:	WO #:			
Project Name: NYSDEC - Silvestri Dry Cleaners Site	Project #: 48027521			Other:
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633_Final/1633_SPE_LVI PFAS - NY Standard 40 Analyte List	PRE_SCREEN_PFAS/PFAS_PreScn_W_P	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
GW-MW-3-071824 (480-221807-1)	7/18/24	09:00 Eastern		Water			X	X	3	
GW-MW-3-071824-MS (480-221807-1MS)	7/18/24	09:00 Eastern	MS	Water			X		3	
GW-MW-3-071824-MSD (480-221807-1MSD)	7/18/24	09:00 Eastern	MSD	Water			X		3	
GW-MW-1-071824 (480-221807-2)	7/18/24	10:45 Eastern		Water			X	X	3	
GW-PES-2-071824 (480-221807-3)	7/18/24	12:50 Eastern		Water			X	X	3	
FD-071824 (480-221807-4)	7/18/24	Eastern		Water			X	X	3	
EB-071824 (480-221807-5)	7/18/24	11:50 Eastern		Water			X		3	
REAGENT-071824 (480-221807-6)	7/18/24	09:50 Eastern		Water			X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, 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/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, 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 Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
VG	7/22/24 1600			7/23/24 0900	EETDEN
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.1°C-0.1 IR TV

Ver: 04/02/2024

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-221807-1

Login Number: 221807
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

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	
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.	True	
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	RAMBOLL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-221807-1

Login Number: 221807
List Number: 2
Creator: Rystrom, Joshua R

List Source: Eurofins Denver
List Creation: 07/23/24 05:54 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	
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?	N/A	
There are no discrepancies between the containers received 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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Rebecca McDonald
Ramboll Americas Engineering Solutions
94 New Karner Road
Suite 106
Albany, New York 12203

Generated 1/13/2025 12:38:59 PM

JOB DESCRIPTION

NYSDEC - Silvestri Dry Cleaners Site

JOB NUMBER

480-226701-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

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.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
John Schove, Project Manager II
John.Schove@et.eurofinsus.com
(716)504-9838

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Definitions/Glossary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226701-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

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

Job ID: 480-226701-1 — Eurofins Buffalo

Job Narrative
480-226701-1

Receipt
The samples were received on 1/9/2025 10:00 AM. 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 was 3.1º C.

GC/MS VOA
Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: BASEMENT-SUMP-010825 (480-226701-1). Elevated reporting limits (RLs) are provided.

Method 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 480-736848 . The following samples were affected : BASEMENT-SUMP-010825 (480-226701-1) and TRIP BLANK (480-226701-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226701-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: BASEMENT-SUMP-010825
Lab Sample ID: 480-226701-1

No Detections.

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-226701-2

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226701-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: BASEMENT-SUMP-010825
Lab Sample ID: 480-226701-1
Date Collected: 01/08/25 08:35
Matrix: Water
Date Received: 01/09/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	10	U	10	8.2	ug/L			01/09/25 17:42	10
1,1,2,2-Tetrachloroethane	10	U	10	2.1	ug/L			01/09/25 17:42	10
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	3.1	ug/L			01/09/25 17:42	10
1,1,2-Trichloroethane	10	U	10	2.3	ug/L			01/09/25 17:42	10
1,1-Dichloroethane	10	U	10	3.8	ug/L			01/09/25 17:42	10
1,1-Dichloroethene	10	U	10	2.9	ug/L			01/09/25 17:42	10
1,2,4-Trichlorobenzene	10	U	10	4.1	ug/L			01/09/25 17:42	10
1,2-Dibromo-3-Chloropropane	10	U	10	3.9	ug/L			01/09/25 17:42	10
1,2-Dibromoethane	10	U	10	7.3	ug/L			01/09/25 17:42	10
1,2-Dichlorobenzene	10	U	10	7.9	ug/L			01/09/25 17:42	10
1,2-Dichloroethane	10	U	10	2.1	ug/L			01/09/25 17:42	10
1,2-Dichloropropane	10	U	10	7.2	ug/L			01/09/25 17:42	10
1,3-Dichlorobenzene	10	U	10	7.8	ug/L			01/09/25 17:42	10
1,4-Dichlorobenzene	10	U	10	8.4	ug/L			01/09/25 17:42	10
2-Butanone (MEK)	100	U *+	100	13	ug/L			01/09/25 17:42	10
2-Hexanone	50	U	50	12	ug/L			01/09/25 17:42	10
4-Methyl-2-pentanone (MIBK)	50	U	50	21	ug/L			01/09/25 17:42	10
Acetone	100	U	100	30	ug/L			01/09/25 17:42	10
Benzene	10	U	10	4.1	ug/L			01/09/25 17:42	10
Bromodichloromethane	10	U	10	3.9	ug/L			01/09/25 17:42	10
Bromoform	10	U	10	2.6	ug/L			01/09/25 17:42	10
Bromomethane	10	U	10	6.9	ug/L			01/09/25 17:42	10
Carbon disulfide	10	U	10	1.9	ug/L			01/09/25 17:42	10
Carbon tetrachloride	10	U	10	2.7	ug/L			01/09/25 17:42	10
Chlorobenzene	10	U	10	7.5	ug/L			01/09/25 17:42	10
Chloroethane	10	U	10	3.2	ug/L			01/09/25 17:42	10
Chloroform	10	U	10	3.4	ug/L			01/09/25 17:42	10
Chloromethane	10	U	10	3.5	ug/L			01/09/25 17:42	10
cis-1,2-Dichloroethene	10	U	10	8.1	ug/L			01/09/25 17:42	10
cis-1,3-Dichloropropene	10	U	10	3.6	ug/L			01/09/25 17:42	10
Cyclohexane	10	U	10	1.8	ug/L			01/09/25 17:42	10
Dibromochloromethane	10	U	10	3.2	ug/L			01/09/25 17:42	10
Dichlorodifluoromethane	10	U	10	6.8	ug/L			01/09/25 17:42	10
Ethylbenzene	10	U	10	7.4	ug/L			01/09/25 17:42	10
Isopropylbenzene	10	U	10	7.9	ug/L			01/09/25 17:42	10
Methyl acetate	25	U	25	13	ug/L			01/09/25 17:42	10
Methyl tert-butyl ether	10	U	10	1.6	ug/L			01/09/25 17:42	10
Methylcyclohexane	10	U	10	1.6	ug/L			01/09/25 17:42	10
Methylene Chloride	10	U	10	4.4	ug/L			01/09/25 17:42	10
Styrene	10	U	10	7.3	ug/L			01/09/25 17:42	10
Tetrachloroethene	10	U	10	3.6	ug/L			01/09/25 17:42	10
Toluene	10	U	10	5.1	ug/L			01/09/25 17:42	10
trans-1,2-Dichloroethene	10	U	10	9.0	ug/L			01/09/25 17:42	10
trans-1,3-Dichloropropene	10	U	10	3.7	ug/L			01/09/25 17:42	10
Trichloroethene	10	U	10	4.6	ug/L			01/09/25 17:42	10
Trichlorofluoromethane	10	U	10	8.8	ug/L			01/09/25 17:42	10
Vinyl chloride	10	U	10	9.0	ug/L			01/09/25 17:42	10
Xylenes, Total	20	U	20	6.6	ug/L			01/09/25 17:42	10

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226701-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: BASEMENT-SUMP-010825
Lab Sample ID: 480-226701-1
Date Collected: 01/08/25 08:35
Matrix: Water
Date Received: 01/09/25 10:00

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		01/09/25 17:42	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		01/09/25 17:42	10
4-Bromofluorobenzene (Surr)	93		73 - 120		01/09/25 17:42	10
Dibromofluoromethane (Surr)	103		75 - 123		01/09/25 17:42	10
Toluene-d8 (Surr)	87		80 - 120		01/09/25 17:42	10

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226701-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-226701-2
Date Collected: 01/08/25 00:00
Matrix: Water
Date Received: 01/09/25 10:00

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			01/09/25 18:07	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			01/09/25 18:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/09/25 18:07	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			01/09/25 18:07	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			01/09/25 18:07	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			01/09/25 18:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			01/09/25 18:07	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			01/09/25 18:07	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			01/09/25 18:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			01/09/25 18:07	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			01/09/25 18:07	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			01/09/25 18:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			01/09/25 18:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			01/09/25 18:07	1
2-Butanone (MEK)	10	U *+	10	1.3	ug/L			01/09/25 18:07	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			01/09/25 18:07	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			01/09/25 18:07	1
Acetone	10	U	10	3.0	ug/L			01/09/25 18:07	1
Benzene	1.0	U	1.0	0.41	ug/L			01/09/25 18:07	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			01/09/25 18:07	1
Bromoform	1.0	U	1.0	0.26	ug/L			01/09/25 18:07	1
Bromomethane	1.0	U	1.0	0.69	ug/L			01/09/25 18:07	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			01/09/25 18:07	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			01/09/25 18:07	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			01/09/25 18:07	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/09/25 18:07	1
Chloroform	1.0	U	1.0	0.34	ug/L			01/09/25 18:07	1
Chloromethane	1.0	U	1.0	0.35	ug/L			01/09/25 18:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			01/09/25 18:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			01/09/25 18:07	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			01/09/25 18:07	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			01/09/25 18:07	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			01/09/25 18:07	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			01/09/25 18:07	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			01/09/25 18:07	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			01/09/25 18:07	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			01/09/25 18:07	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			01/09/25 18:07	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			01/09/25 18:07	1
Styrene	1.0	U	1.0	0.73	ug/L			01/09/25 18:07	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			01/09/25 18:07	1
Toluene	1.0	U	1.0	0.51	ug/L			01/09/25 18:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			01/09/25 18:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			01/09/25 18:07	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			01/09/25 18:07	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			01/09/25 18:07	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			01/09/25 18:07	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			01/09/25 18:07	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226701-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-226701-2
Date Collected: 01/08/25 00:00
Matrix: Water
Date Received: 01/09/25 10:00

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		01/09/25 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		01/09/25 18:07	1
4-Bromofluorobenzene (Surr)	97		73 - 120		01/09/25 18:07	1
Dibromofluoromethane (Surr)	104		75 - 123		01/09/25 18:07	1
Toluene-d8 (Surr)	88		80 - 120		01/09/25 18:07	1

Surrogate Summary

Client: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-226701-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-226701-1	BASEMENT-SUMP-010825	93	93	103	87
480-226701-2	TRIP BLANK	96	97	104	88
LCS 480-736848/6	Lab Control Sample	95	97	102	88
LCSD 480-736848/7	Lab Control Sample Dup	105	103	106	90
MB 480-736848/9	Method Blank	93	98	101	89

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-736848/9
Matrix: Water
Analysis Batch: 736848

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			01/09/25 14:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			01/09/25 14:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			01/09/25 14:28	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			01/09/25 14:28	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			01/09/25 14:28	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			01/09/25 14:28	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			01/09/25 14:28	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			01/09/25 14:28	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			01/09/25 14:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			01/09/25 14:28	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			01/09/25 14:28	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			01/09/25 14:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			01/09/25 14:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			01/09/25 14:28	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			01/09/25 14:28	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			01/09/25 14:28	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			01/09/25 14:28	1
Acetone	10	U	10	3.0	ug/L			01/09/25 14:28	1
Benzene	1.0	U	1.0	0.41	ug/L			01/09/25 14:28	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			01/09/25 14:28	1
Bromoform	1.0	U	1.0	0.26	ug/L			01/09/25 14:28	1
Bromomethane	1.0	U	1.0	0.69	ug/L			01/09/25 14:28	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			01/09/25 14:28	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			01/09/25 14:28	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			01/09/25 14:28	1
Chloroethane	1.0	U	1.0	0.32	ug/L			01/09/25 14:28	1
Chloroform	1.0	U	1.0	0.34	ug/L			01/09/25 14:28	1
Chloromethane	1.0	U	1.0	0.35	ug/L			01/09/25 14:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			01/09/25 14:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			01/09/25 14:28	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			01/09/25 14:28	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			01/09/25 14:28	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			01/09/25 14:28	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			01/09/25 14:28	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			01/09/25 14:28	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			01/09/25 14:28	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			01/09/25 14:28	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			01/09/25 14:28	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			01/09/25 14:28	1
Styrene	1.0	U	1.0	0.73	ug/L			01/09/25 14:28	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			01/09/25 14:28	1
Toluene	1.0	U	1.0	0.51	ug/L			01/09/25 14:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			01/09/25 14:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			01/09/25 14:28	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			01/09/25 14:28	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			01/09/25 14:28	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			01/09/25 14:28	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			01/09/25 14:28	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-736848/9
Matrix: Water
Analysis Batch: 736848

Client Sample ID: Method Blank
Prep Type: Total/NA

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L			N/A		01/09/25 14:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		01/09/25 14:28	1
4-Bromofluorobenzene (Surr)	98		73 - 120		01/09/25 14:28	1
Dibromofluoromethane (Surr)	101		75 - 123		01/09/25 14:28	1
Toluene-d8 (Surr)	89		80 - 120		01/09/25 14:28	1

Lab Sample ID: LCS 480-736848/6
Matrix: Water
Analysis Batch: 736848

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	24.5		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.9		ug/L		96	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.5		ug/L		94	61 - 148
1,1,2-Trichloroethane	25.0	23.1		ug/L		92	76 - 122
1,1-Dichloroethane	25.0	23.5		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	23.9		ug/L		95	66 - 127
1,2,4-Trichlorobenzene	25.0	24.2		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.6		ug/L		82	56 - 134
1,2-Dibromoethane	25.0	24.3		ug/L		97	77 - 120
1,2-Dichlorobenzene	25.0	24.7		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	23.4		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	25.1		ug/L		100	76 - 120
1,3-Dichlorobenzene	25.0	25.2		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	23.9		ug/L		96	80 - 120
2-Butanone (MEK)	125	171		ug/L		137	57 - 140
2-Hexanone	125	97.7		ug/L		78	65 - 127
4-Methyl-2-pentanone (MIBK)	125	97.9		ug/L		78	71 - 125
Acetone	125	89.5		ug/L		72	56 - 142
Benzene	25.0	24.8		ug/L		99	71 - 124
Bromodichloromethane	25.0	25.3		ug/L		101	80 - 122
Bromoform	25.0	18.9		ug/L		76	61 - 132
Bromomethane	25.0	23.5		ug/L		94	55 - 144
Carbon disulfide	25.0	23.0		ug/L		92	59 - 134
Carbon tetrachloride	25.0	22.7		ug/L		91	72 - 134
Chlorobenzene	25.0	23.9		ug/L		95	80 - 120
Chloroethane	25.0	23.6		ug/L		94	69 - 136
Chloroform	25.0	23.1		ug/L		93	73 - 127
Chloromethane	25.0	22.5		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	26.9		ug/L		108	74 - 124
Cyclohexane	25.0	22.0		ug/L		88	59 - 135
Dibromochloromethane	25.0	22.6		ug/L		90	75 - 125
Dichlorodifluoromethane	25.0	25.1		ug/L		100	59 - 135
Ethylbenzene	25.0	23.9		ug/L		95	77 - 123

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-736848/6
Matrix: Water
Analysis Batch: 736848

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Isopropylbenzene			25.0	23.7		ug/L		95	77 - 122		
Methyl acetate			50.0	43.5		ug/L		87	74 - 133		
Methyl tert-butyl ether			25.0	22.1		ug/L		88	77 - 120		
Methylcyclohexane			25.0	25.8		ug/L		103	68 - 134		
Methylene Chloride			25.0	25.0		ug/L		100	75 - 124		
Styrene			25.0	24.1		ug/L		96	80 - 120		
Tetrachloroethene			25.0	25.4		ug/L		102	74 - 122		
Toluene			25.0	22.3		ug/L		89	80 - 122		
trans-1,2-Dichloroethene			25.0	23.4		ug/L		94	73 - 127		
Trichloroethene			25.0	27.1		ug/L		108	74 - 123		
Trichlorofluoromethane			25.0	22.3		ug/L		89	62 - 150		
Vinyl chloride			25.0	23.0		ug/L		92	65 - 133		
Xylenes, Total			50.0	47.8		ug/L		96	76 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*
Toluene-d8 (Surr)	*88*		*80 - 120*

Lab Sample ID: LCSD 480-736848/7
Matrix: Water
Analysis Batch: 736848

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
1,1,1-Trichloroethane			25.0	25.5		ug/L		102	73 - 126	4	15
1,1,2,2-Tetrachloroethane			25.0	25.2		ug/L		101	76 - 120	5	15
1,1,2-Trichloro-1,2,2-trifluoroethane			25.0	23.0		ug/L		92	61 - 148	3	20
1,1,2-Trichloroethane			25.0	23.6		ug/L		94	76 - 122	2	15
1,1-Dichloroethane			25.0	24.9		ug/L		100	77 - 120	6	20
1,1-Dichloroethene			25.0	26.1		ug/L		104	66 - 127	9	16
1,2,4-Trichlorobenzene			25.0	25.4		ug/L		101	79 - 122	5	20
1,2-Dibromo-3-Chloropropane			25.0	22.5		ug/L		90	56 - 134	9	15
1,2-Dibromoethane			25.0	24.8		ug/L		99	77 - 120	2	15
1,2-Dichlorobenzene			25.0	25.7		ug/L		103	80 - 124	4	20
1,2-Dichloroethane			25.0	24.1		ug/L		96	75 - 120	3	20
1,2-Dichloropropane			25.0	26.9		ug/L		108	76 - 120	7	20
1,3-Dichlorobenzene			25.0	26.6		ug/L		106	77 - 120	5	20
1,4-Dichlorobenzene			25.0	25.4		ug/L		101	80 - 120	6	20
2-Butanone (MEK)			125	199	*+	ug/L		159	57 - 140	15	20
2-Hexanone			125	104		ug/L		83	65 - 127	6	15
4-Methyl-2-pentanone (MIBK)			125	102		ug/L		81	71 - 125	4	35
Acetone			125	93.6		ug/L		75	56 - 142	4	15
Benzene			25.0	26.0		ug/L		104	71 - 124	5	13
Bromodichloromethane			25.0	26.9		ug/L		108	80 - 122	6	15
Bromoform			25.0	20.4		ug/L		81	61 - 132	7	15
Bromomethane			25.0	24.7		ug/L		99	55 - 144	5	15
Carbon disulfide			25.0	24.2		ug/L		97	59 - 134	5	15

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-736848/7
Matrix: Water
Analysis Batch: 736848

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
Carbon tetrachloride			25.0	24.8		ug/L		99	72 - 134	9	15
Chlorobenzene			25.0	25.3		ug/L		101	80 - 120	6	25
Chloroethane			25.0	24.1		ug/L		96	69 - 136	2	15
Chloroform			25.0	24.7		ug/L		99	73 - 127	7	20
Chloromethane			25.0	23.4		ug/L		94	68 - 124	4	15
cis-1,2-Dichloroethene			25.0	26.8		ug/L		107	74 - 124	6	15
cis-1,3-Dichloropropene			25.0	28.8		ug/L		115	74 - 124	7	15
Cyclohexane			25.0	22.6		ug/L		91	59 - 135	3	20
Dibromochloromethane			25.0	23.4		ug/L		94	75 - 125	4	15
Dichlorodifluoromethane			25.0	26.3		ug/L		105	59 - 135	4	20
Ethylbenzene			25.0	24.9		ug/L		100	77 - 123	4	15
Isopropylbenzene			25.0	24.6		ug/L		99	77 - 122	4	20
Methyl acetate			50.0	47.3		ug/L		95	74 - 133	8	20
Methyl tert-butyl ether			25.0	22.5		ug/L		90	77 - 120	2	37
Methylcyclohexane			25.0	26.0		ug/L		104	68 - 134	1	20
Methylene Chloride			25.0	25.5		ug/L		102	75 - 124	2	15
Styrene			25.0	25.2		ug/L		101	80 - 120	5	20
Tetrachloroethene			25.0	26.3		ug/L		105	74 - 122	3	20
Toluene			25.0	22.9		ug/L		92	80 - 122	3	15
trans-1,2-Dichloroethene			25.0	24.5		ug/L		98	73 - 127	5	20
Trichloroethene			25.0	28.3		ug/L		113	74 - 123	4	16
Trichlorofluoromethane			25.0	25.4		ug/L		101	62 - 150	13	20
Vinyl chloride			25.0	23.9		ug/L		96	65 - 133	4	15
Xylenes, Total			50.0	50.5		ug/L		101	76 - 122	5	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*
Toluene-d8 (Surr)	*90*		*80 - 120*

QC Association Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226701-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

GC/MS VOA

Analysis Batch: 736848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226701-1	BASEMENT-SUMP-010825	Total/NA	Water	8260C	
480-226701-2	TRIP BLANK	Total/NA	Water	8260C	
MB 480-736848/9	Method Blank	Total/NA	Water	8260C	
LCS 480-736848/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-736848/7	Lab Control Sample Dup	Total/NA	Water	8260C	

Lab Chronicle

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226701-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: BASEMENT-SUMP-010825
Lab Sample ID: 480-226701-1
Date Collected: 01/08/25 08:35
Matrix: Water
Date Received: 01/09/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	736848	ERS	EET BUF	01/09/25 17:42

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-226701-2
Date Collected: 01/08/25 00:00
Matrix: Water
Date Received: 01/09/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	736848	ERS	EET BUF	01/09/25 18:07

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226701-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Laboratory: Eurofins Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

Method Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226701-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF

Protocol References:

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

Sample Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226701-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-226701-1	BASEMENT-SUMP-010825	Water	01/08/25 08:35	01/09/25 10:00
480-226701-2	TRIP BLANK	Water	01/08/25 00:00	01/09/25 10:00

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Albany #224

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Client Information	Sampler: Alayna Fuess	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-201513-41471.1
Client Contact: Ms. Rebecca McDonald	Phone:	E-Mail: John.Schove@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 1
Company: Ramboll Americas Engineering Solutions	PWSID:			Job #:
Address: 94 New Karner Road Suite 106	Due Date Requested:			
City: Albany	TAT Requested (days):			
State, Zip: NY, 12203	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 1940009211			
Email: Rebecca.McDonald@ramboll.com	WO #:			
Project Name: NYSDEC - Silvestri Dry Cleaners Site	Project #: 48027521			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: A - HCL

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs + TICs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
Basement-Sump-010825	1/8/25	0835	G	Water	N	N	X	3	
TRIP BLANK	1/8/25	—	G	Water	N	N	X	2	

TAT

1-8-25

480-226701 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Alayna Fuess	1/8/25, 1536	Ramboll		1-8-25 1536	EETN
2	Tim Knollinger	1-8-25 1630	EETN	C Walker	1/9/25 1000	TAS
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.1 IR #5c

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-226701-1

Login Number: 226701
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins Buffalo

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	
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.	True	
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	RAMBOLL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Rebecca McDonald
Ramboll Americas Engineering Solutions
94 New Karner Road
Suite 106
Albany, New York 12203

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JOB DESCRIPTION

NYSDEC - Silvestri Dry Cleaners Site

JOB NUMBER

480-226734-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

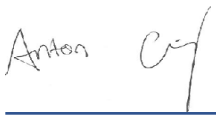
Eurofins Buffalo

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Definitions/Glossary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
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.
U	Indicates the analyte was analyzed for but not detected.

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

Job ID: 480-226734-1 Eurofins Buffalo

Job Narrative
480-226734-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be 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.

Receipt
The samples were received on 1/10/2025 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Air - 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: Ramboll Americas Engineering Solutions
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Job ID: 480-226734-1

Client Sample ID: SS-Basement-010825 — Lab Sample ID: 480-226734-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.38	J	1.1	0.24	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.53	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.6		0.98	0.39	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.40	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	3.5	J	18	0.30	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.63	J	0.93	0.18	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.30	J	0.98	0.24	ug/m3	1		TO-15	Total/NA
Benzene	0.23	J	0.64	0.14	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.54	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.7		2.5	0.54	ug/m3	1		TO-15	Total/NA
Ethylbenzene	0.31	J	0.87	0.30	ug/m3	1		TO-15	Total/NA
m,p-Xylene	1.2	J	2.2	0.41	ug/m3	1		TO-15	Total/NA
n-Butane	1.4		1.2	0.48	ug/m3	1		TO-15	Total/NA
n-Heptane	0.59	J	0.82	0.23	ug/m3	1		TO-15	Total/NA
n-Hexane	0.75	J	1.8	0.39	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.23	J	0.98	0.23	ug/m3	1		TO-15	Total/NA
o-Xylene	0.47	J	0.87	0.27	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	1.7		1.4	0.14	ug/m3	1		TO-15	Total/NA
Toluene	1.2		0.75	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.14	J	0.20	0.13	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	11		1.1	0.28	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.069	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.069	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.34		0.20	0.080	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.082	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	0.98	J	5.0	0.082	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.14	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.061	J	0.20	0.049	ppb v/v	1		TO-15	Total/NA
Benzene	0.072	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.15	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane	0.55		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.072	J	0.20	0.069	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.28	J	0.50	0.095	ppb v/v	1		TO-15	Total/NA
n-Butane	0.57		0.50	0.20	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.14	J	0.20	0.055	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.21	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.046	J	0.20	0.047	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.11	J	0.20	0.063	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.25		0.20	0.021	ppb v/v	1		TO-15	Total/NA
Toluene	0.31		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.026	J	0.037	0.025	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	1.9		0.20	0.050	ppb v/v	1		TO-15	Total/NA

Client Sample ID: IA-Basement-010825 — Lab Sample ID: 480-226734-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.52	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.48	J	0.98	0.39	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethane	0.40	J	0.81	0.38	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.12	J	0.44	0.086	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: IA-Basement-010825 (Continued) — Lab Sample ID: 480-226734-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.8	J	12	3.8	ug/m3	1		TO-15	Total/NA
Benzene	0.32	J	0.64	0.14	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.42		0.22	0.14	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.3	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.3		1.0	0.31	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.6		2.5	0.54	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	40		12	3.9	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.79	J	2.2	0.41	ug/m3	1		TO-15	Total/NA
n-Butane	7.0		1.2	0.48	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.18	J	1.4	0.14	ug/m3	1		TO-15	Total/NA
Toluene	0.29	J	0.75	0.23	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.4		1.1	0.28	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.068	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.098	J	0.20	0.080	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethane	0.099	J	0.20	0.093	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.053	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Acetone	4.1	J	5.0	1.6	ppb v/v	1		TO-15	Total/NA
Benzene	0.10	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.067		0.035	0.022	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.37	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.63		0.50	0.15	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane	0.53		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	16		5.0	1.6	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.18	J	0.50	0.095	ppb v/v	1		TO-15	Total/NA
n-Butane	3.0		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.027	J	0.20	0.021	ppb v/v	1		TO-15	Total/NA
Toluene	0.078	J	0.20	0.062	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.25		0.20	0.050	ppb v/v	1		TO-15	Total/NA

Client Sample ID: IA-Shop-010825 — Lab Sample ID: 480-226734-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.53	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.094	J	0.44	0.086	ug/m3	1		TO-15	Total/NA
Acetone	12		12	3.8	ug/m3	1		TO-15	Total/NA
Benzene	0.35	J	0.64	0.14	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.32		0.22	0.14	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.3	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.4		1.0	0.31	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.7		2.5	0.54	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	180	E	12	3.9	ug/m3	1		TO-15	Total/NA
n-Butane	6.3		1.2	0.48	ug/m3	1		TO-15	Total/NA
n-Heptane	0.31	J	0.82	0.23	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	0.15	J	1.4	0.14	ug/m3	1		TO-15	Total/NA
Toluene	0.39	J	0.75	0.23	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.5		1.1	0.28	ug/m3	1		TO-15	Total/NA
Chloromethane - DL	1.4	J	4.1	1.2	ug/m3	4		TO-15	Total/NA
Dichlorodifluoromethane - DL	2.5	J	9.9	2.2	ug/m3	4		TO-15	Total/NA
Isopropyl alcohol - DL	170		49	16	ug/m3	4		TO-15	Total/NA
n-Butane - DL	7.1		4.8	1.9	ug/m3	4		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: IA-Shop-010825 (Continued) — Lab Sample ID: 480-226734-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichlorofluoromethane - DL	1.4	J	4.5	1.1	ug/m3	4		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.069	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.043	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Acetone	4.9		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Benzene	0.11	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.051		0.035	0.022	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.36	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.69		0.50	0.15	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane	0.54		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	74	E	5.0	1.6	ppb v/v	1		TO-15	Total/NA
n-Butane	2.7		0.50	0.20	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.075	J	0.20	0.055	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.022	J	0.20	0.021	ppb v/v	1		TO-15	Total/NA
Toluene	0.10	J	0.20	0.062	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.27		0.20	0.050	ppb v/v	1		TO-15	Total/NA
Chloromethane - DL	0.66	J	2.0	0.60	ppb v/v	4		TO-15	Total/NA
Dichlorodifluoromethane - DL	0.52	J	2.0	0.44	ppb v/v	4		TO-15	Total/NA
Isopropyl alcohol - DL	68		20	6.4	ppb v/v	4		TO-15	Total/NA
n-Butane - DL	3.0		2.0	0.80	ppb v/v	4		TO-15	Total/NA
Trichlorofluoromethane - DL	0.25	J	0.80	0.20	ppb v/v	4		TO-15	Total/NA

Client Sample ID: DUP-010825 — Lab Sample ID: 480-226734-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.52	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.0		0.98	0.39	ug/m3	1		TO-15	Total/NA
1,2-Dichloroethane	0.38	J	0.81	0.38	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.11	J	0.44	0.086	ug/m3	1		TO-15	Total/NA
Acetone	15		12	3.8	ug/m3	1		TO-15	Total/NA
Benzene	0.39	J	0.64	0.14	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.41		0.22	0.14	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.2	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.5		1.0	0.31	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.6		2.5	0.54	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	200	E	12	3.9	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.52	J	2.2	0.41	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	1.7		1.5	1.4	ug/m3	1		TO-15	Total/NA
n-Butane	6.7		1.2	0.48	ug/m3	1		TO-15	Total/NA
n-Heptane	0.44	J	0.82	0.23	ug/m3	1		TO-15	Total/NA
Toluene	0.79		0.75	0.23	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.5		1.1	0.28	ug/m3	1		TO-15	Total/NA
Chloromethane - DL	1.4	J	4.1	1.2	ug/m3	4		TO-15	Total/NA
Dichlorodifluoromethane - DL	2.6	J	9.9	2.2	ug/m3	4		TO-15	Total/NA
Isopropyl alcohol - DL	180		49	16	ug/m3	4		TO-15	Total/NA
n-Butane - DL	7.1		4.8	1.9	ug/m3	4		TO-15	Total/NA
Trichlorofluoromethane - DL	1.3	J	4.5	1.1	ug/m3	4		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.068	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.20		0.20	0.080	ppb v/v	1		TO-15	Total/NA
1,2-Dichloroethane	0.094	J	0.20	0.093	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-010825 (Continued) — Lab Sample ID: 480-226734-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Butadiene	0.048	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Acetone	6.2		5.0	1.6	ppb v/v	1		TO-15	Total/NA
Benzene	0.12	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.065		0.035	0.022	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.35	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.73		0.50	0.15	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane	0.52		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	80	E	5.0	1.6	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.12	J	0.50	0.095	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	0.58		0.50	0.49	ppb v/v	1		TO-15	Total/NA
n-Butane	2.8		0.50	0.20	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.11	J	0.20	0.055	ppb v/v	1		TO-15	Total/NA
Toluene	0.21		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.26		0.20	0.050	ppb v/v	1		TO-15	Total/NA
Chloromethane - DL	0.70	J	2.0	0.60	ppb v/v	4		TO-15	Total/NA
Dichlorodifluoromethane - DL	0.52	J	2.0	0.44	ppb v/v	4		TO-15	Total/NA
Isopropyl alcohol - DL	74		20	6.4	ppb v/v	4		TO-15	Total/NA
n-Butane - DL	3.0		2.0	0.80	ppb v/v	4		TO-15	Total/NA
Trichlorofluoromethane - DL	0.23	J	0.80	0.20	ppb v/v	4		TO-15	Total/NA

Client Sample ID: OA-010825 — Lab Sample ID: 480-226734-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.52	J	1.5	0.41	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.11	J	0.44	0.086	ug/m3	1		TO-15	Total/NA
Benzene	0.32	J	0.64	0.14	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.26		0.22	0.14	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	0.97	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	2.0		1.0	0.31	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.4	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
m,p-Xylene	0.44	J	2.2	0.41	ug/m3	1		TO-15	Total/NA
n-Butane	1.5		1.2	0.48	ug/m3	1		TO-15	Total/NA
Toluene	1.3		0.75	0.23	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.3		1.1	0.28	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichlorotrifluoroethane	0.068	J	0.20	0.053	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.050	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Benzene	0.099	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.041		0.035	0.022	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.27	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.96		0.50	0.15	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane	0.49	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.10	J	0.50	0.095	ppb v/v	1		TO-15	Total/NA
n-Butane	0.64		0.50	0.20	ppb v/v	1		TO-15	Total/NA
Toluene	0.35		0.20	0.062	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.23		0.20	0.050	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: SS-Basement-010825
Lab Sample ID: 480-226734-1
Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.38**	**J**	1.1	0.24	ug/m3			01/13/25 14:11	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/13/25 14:11	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/13/25 14:11	1
1,1,2-Trichlorotrifluoroethane	**0.53**	**J**	1.5	0.41	ug/m3			01/13/25 14:11	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/13/25 14:11	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/13/25 14:11	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/13/25 14:11	1
1,2,4-Trimethylbenzene	**1.6**		0.98	0.39	ug/m3			01/13/25 14:11	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/13/25 14:11	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/13/25 14:11	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/13/25 14:11	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/13/25 14:11	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/13/25 14:11	1
1,3,5-Trimethylbenzene	**0.40**	**J**	0.98	0.23	ug/m3			01/13/25 14:11	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			01/13/25 14:11	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/13/25 14:11	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/13/25 14:11	1
1,4-Dioxane	**3.5**	**J**	18	0.30	ug/m3			01/13/25 14:11	1
2,2,4-Trimethylpentane	**0.63**	**J**	0.93	0.18	ug/m3			01/13/25 14:11	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/13/25 14:11	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/13/25 14:11	1
4-Ethyltoluene	**0.30**	**J**	0.98	0.24	ug/m3			01/13/25 14:11	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/13/25 14:11	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/13/25 14:11	1
Acetone	12	U	12	3.8	ug/m3			01/13/25 14:11	1
Benzene	**0.23**	**J**	0.64	0.14	ug/m3			01/13/25 14:11	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/13/25 14:11	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/13/25 14:11	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/13/25 14:11	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/13/25 14:11	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/13/25 14:11	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/13/25 14:11	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			01/13/25 14:11	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/13/25 14:11	1
Chlorodifluoromethane	**0.54**	**J**	1.8	0.42	ug/m3			01/13/25 14:11	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/13/25 14:11	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/13/25 14:11	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			01/13/25 14:11	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/13/25 14:11	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/13/25 14:11	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/13/25 14:11	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/13/25 14:11	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/13/25 14:11	1
Dichlorodifluoromethane	**2.7**		2.5	0.54	ug/m3			01/13/25 14:11	1
Ethylbenzene	**0.31**	**J**	0.87	0.30	ug/m3			01/13/25 14:11	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/13/25 14:11	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			01/13/25 14:11	1
m,p-Xylene	**1.2**	**J**	2.2	0.41	ug/m3			01/13/25 14:11	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: SS-Basement-010825
Lab Sample ID: 480-226734-1
Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/13/25 14:11	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/13/25 14:11	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/13/25 14:11	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/13/25 14:11	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/13/25 14:11	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/13/25 14:11	1
n-Butane	**1.4**		1.2	0.48	ug/m3			01/13/25 14:11	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/13/25 14:11	1
n-Heptane	**0.59**	**J**	0.82	0.23	ug/m3			01/13/25 14:11	1
n-Hexane	**0.75**	**J**	1.8	0.39	ug/m3			01/13/25 14:11	1
n-Propylbenzene	**0.23**	**J**	0.98	0.23	ug/m3			01/13/25 14:11	1
o-Xylene	**0.47**	**J**	0.87	0.27	ug/m3			01/13/25 14:11	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/13/25 14:11	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/13/25 14:11	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/13/25 14:11	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/13/25 14:11	1
Tetrachloroethene	**1.7**		1.4	0.14	ug/m3			01/13/25 14:11	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/13/25 14:11	1
Toluene	**1.2**		0.75	0.23	ug/m3			01/13/25 14:11	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/13/25 14:11	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/13/25 14:11	1
Trichloroethene	**0.14**	**J**	0.20	0.13	ug/m3			01/13/25 14:11	1
Trichlorofluoromethane	**11**		1.1	0.28	ug/m3			01/13/25 14:11	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/13/25 14:11	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.069**	**J**	0.20	0.044	ppb v/v			01/13/25 14:11	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/13/25 14:11	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/13/25 14:11	1
1,1,2-Trichlorotrifluoroethane	**0.069**	**J**	0.20	0.053	ppb v/v			01/13/25 14:11	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/13/25 14:11	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/13/25 14:11	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/13/25 14:11	1
1,2,4-Trimethylbenzene	**0.34**		0.20	0.080	ppb v/v			01/13/25 14:11	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/13/25 14:11	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/13/25 14:11	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/13/25 14:11	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/13/25 14:11	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/13/25 14:11	1
1,3,5-Trimethylbenzene	**0.082**	**J**	0.20	0.047	ppb v/v			01/13/25 14:11	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			01/13/25 14:11	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/13/25 14:11	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/13/25 14:11	1
1,4-Dioxane	**0.98**	**J**	5.0	0.082	ppb v/v			01/13/25 14:11	1
2,2,4-Trimethylpentane	**0.14**	**J**	0.20	0.038	ppb v/v			01/13/25 14:11	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/13/25 14:11	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/13/25 14:11	1
4-Ethyltoluene	**0.061**	**J**	0.20	0.049	ppb v/v			01/13/25 14:11	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/13/25 14:11	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: SS-Basement-010825
Lab Sample ID: 480-226734-1
Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/13/25 14:11	1
Acetone	5.0	U	5.0	1.6	ppb v/v			01/13/25 14:11	1
Benzene	**0.072**	**J**	0.20	0.044	ppb v/v			01/13/25 14:11	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/13/25 14:11	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/13/25 14:11	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/13/25 14:11	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/13/25 14:11	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/13/25 14:11	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/13/25 14:11	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			01/13/25 14:11	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/13/25 14:11	1
Chlorodifluoromethane	**0.15**	**J**	0.50	0.12	ppb v/v			01/13/25 14:11	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/13/25 14:11	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/13/25 14:11	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			01/13/25 14:11	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/13/25 14:11	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/13/25 14:11	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/13/25 14:11	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/13/25 14:11	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/13/25 14:11	1
Dichlorodifluoromethane	**0.55**		0.50	0.11	ppb v/v			01/13/25 14:11	1
Ethylbenzene	**0.072**	**J**	0.20	0.069	ppb v/v			01/13/25 14:11	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/13/25 14:11	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			01/13/25 14:11	1
m,p-Xylene	**0.28**	**J**	0.50	0.095	ppb v/v			01/13/25 14:11	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/13/25 14:11	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/13/25 14:11	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/13/25 14:11	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/13/25 14:11	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/13/25 14:11	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/13/25 14:11	1
n-Butane	**0.57**		0.50	0.20	ppb v/v			01/13/25 14:11	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/13/25 14:11	1
n-Heptane	**0.14**	**J**	0.20	0.055	ppb v/v			01/13/25 14:11	1
n-Hexane	**0.21**	**J**	0.50	0.11	ppb v/v			01/13/25 14:11	1
n-Propylbenzene	**0.046**	**J**	0.20	0.047	ppb v/v			01/13/25 14:11	1
o-Xylene	**0.11**	**J**	0.20	0.063	ppb v/v			01/13/25 14:11	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/13/25 14:11	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/13/25 14:11	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/13/25 14:11	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/13/25 14:11	1
Tetrachloroethene	**0.25**		0.20	0.021	ppb v/v			01/13/25 14:11	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/13/25 14:11	1
Toluene	**0.31**		0.20	0.062	ppb v/v			01/13/25 14:11	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/13/25 14:11	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/13/25 14:11	1
Trichloroethene	**0.026**	**J**	0.037	0.025	ppb v/v			01/13/25 14:11	1
Trichlorofluoromethane	**1.9**		0.20	0.050	ppb v/v			01/13/25 14:11	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: SS-Basement-010825
Lab Sample ID: 480-226734-1
Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/13/25 14:11	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: IA-Basement-010825
Lab Sample ID: 480-226734-2
Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			01/10/25 19:51	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/10/25 19:51	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/10/25 19:51	1
1,1,2-Trichlorotrifluoroethane	**0.52**	**J**	1.5	0.41	ug/m3			01/10/25 19:51	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/10/25 19:51	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/10/25 19:51	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/10/25 19:51	1
1,2,4-Trimethylbenzene	**0.48**	**J**	0.98	0.39	ug/m3			01/10/25 19:51	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/10/25 19:51	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/10/25 19:51	1
1,2-Dichloroethane	**0.40**	**J**	0.81	0.38	ug/m3			01/10/25 19:51	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/10/25 19:51	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/10/25 19:51	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 19:51	1
1,3-Butadiene	**0.12**	**J**	0.44	0.086	ug/m3			01/10/25 19:51	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/10/25 19:51	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/10/25 19:51	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/10/25 19:51	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			01/10/25 19:51	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/10/25 19:51	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/10/25 19:51	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/10/25 19:51	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/10/25 19:51	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/10/25 19:51	1
Acetone	**9.8**	**J**	12	3.8	ug/m3			01/10/25 19:51	1
Benzene	**0.32**	**J**	0.64	0.14	ug/m3			01/10/25 19:51	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/10/25 19:51	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/10/25 19:51	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/10/25 19:51	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/10/25 19:51	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/10/25 19:51	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/10/25 19:51	1
Carbon tetrachloride	**0.42**		0.22	0.14	ug/m3			01/10/25 19:51	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/10/25 19:51	1
Chlorodifluoromethane	**1.3**	**J**	1.8	0.42	ug/m3			01/10/25 19:51	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/10/25 19:51	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/10/25 19:51	1
Chloromethane	**1.3**		1.0	0.31	ug/m3			01/10/25 19:51	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/10/25 19:51	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/10/25 19:51	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/10/25 19:51	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/10/25 19:51	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/10/25 19:51	1
Dichlorodifluoromethane	**2.6**		2.5	0.54	ug/m3			01/10/25 19:51	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			01/10/25 19:51	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/10/25 19:51	1
Isopropyl alcohol	**40**		12	3.9	ug/m3			01/10/25 19:51	1
m,p-Xylene	**0.79**	**J**	2.2	0.41	ug/m3			01/10/25 19:51	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: IA-Basement-010825
Lab Sample ID: 480-226734-2
Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/10/25 19:51	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/10/25 19:51	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/10/25 19:51	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/10/25 19:51	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/10/25 19:51	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/10/25 19:51	1
n-Butane	**7.0**		1.2	0.48	ug/m3			01/10/25 19:51	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/10/25 19:51	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			01/10/25 19:51	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			01/10/25 19:51	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 19:51	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			01/10/25 19:51	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/10/25 19:51	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/10/25 19:51	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/10/25 19:51	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/10/25 19:51	1
Tetrachloroethene	**0.18**	**J**	1.4	0.14	ug/m3			01/10/25 19:51	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/10/25 19:51	1
Toluene	**0.29**	**J**	0.75	0.23	ug/m3			01/10/25 19:51	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/10/25 19:51	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/10/25 19:51	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			01/10/25 19:51	1
Trichlorofluoromethane	**1.4**		1.1	0.28	ug/m3			01/10/25 19:51	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/10/25 19:51	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			01/10/25 19:51	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/10/25 19:51	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/10/25 19:51	1
1,1,2-Trichlorotrifluoroethane	**0.068**	**J**	0.20	0.053	ppb v/v			01/10/25 19:51	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/10/25 19:51	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/10/25 19:51	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/10/25 19:51	1
1,2,4-Trimethylbenzene	**0.098**	**J**	0.20	0.080	ppb v/v			01/10/25 19:51	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/10/25 19:51	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/10/25 19:51	1
1,2-Dichloroethane	**0.099**	**J**	0.20	0.093	ppb v/v			01/10/25 19:51	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/10/25 19:51	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/10/25 19:51	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 19:51	1
1,3-Butadiene	**0.053**	**J**	0.20	0.039	ppb v/v			01/10/25 19:51	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/10/25 19:51	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/10/25 19:51	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/10/25 19:51	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			01/10/25 19:51	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/10/25 19:51	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/10/25 19:51	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/10/25 19:51	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/10/25 19:51	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: IA-Basement-010825
Lab Sample ID: 480-226734-2
Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/10/25 19:51	1
Acetone	**4.1**	**J**	5.0	1.6	ppb v/v			01/10/25 19:51	1
Benzene	**0.10**	**J**	0.20	0.044	ppb v/v			01/10/25 19:51	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/10/25 19:51	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/10/25 19:51	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/10/25 19:51	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/10/25 19:51	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/10/25 19:51	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/10/25 19:51	1
Carbon tetrachloride	**0.067**		0.035	0.022	ppb v/v			01/10/25 19:51	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/10/25 19:51	1
Chlorodifluoromethane	**0.37**	**J**	0.50	0.12	ppb v/v			01/10/25 19:51	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/10/25 19:51	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/10/25 19:51	1
Chloromethane	**0.63**		0.50	0.15	ppb v/v			01/10/25 19:51	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/10/25 19:51	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/10/25 19:51	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/10/25 19:51	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/10/25 19:51	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/10/25 19:51	1
Dichlorodifluoromethane	**0.53**		0.50	0.11	ppb v/v			01/10/25 19:51	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			01/10/25 19:51	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/10/25 19:51	1
Isopropyl alcohol	**16**		5.0	1.6	ppb v/v			01/10/25 19:51	1
m,p-Xylene	**0.18**	**J**	0.50	0.095	ppb v/v			01/10/25 19:51	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/10/25 19:51	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/10/25 19:51	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/10/25 19:51	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/10/25 19:51	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/10/25 19:51	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/10/25 19:51	1
n-Butane	**3.0**		0.50	0.20	ppb v/v			01/10/25 19:51	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/10/25 19:51	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			01/10/25 19:51	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			01/10/25 19:51	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 19:51	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			01/10/25 19:51	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/10/25 19:51	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/10/25 19:51	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/10/25 19:51	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 19:51	1
Tetrachloroethene	**0.027**	**J**	0.20	0.021	ppb v/v			01/10/25 19:51	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/10/25 19:51	1
Toluene	**0.078**	**J**	0.20	0.062	ppb v/v			01/10/25 19:51	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/10/25 19:51	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/10/25 19:51	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			01/10/25 19:51	1
Trichlorofluoromethane	**0.25**		0.20	0.050	ppb v/v			01/10/25 19:51	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: IA-Basement-010825
Lab Sample ID: 480-226734-2
Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/10/25 19:51	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: IA-Shop-010825
Lab Sample ID: 480-226734-3
Date Collected: 01/08/25 16:09
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			01/10/25 20:42	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/10/25 20:42	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/10/25 20:42	1
1,1,2-Trichlorotrifluoroethane	**0.53**	**J**	1.5	0.41	ug/m3			01/10/25 20:42	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/10/25 20:42	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/10/25 20:42	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/10/25 20:42	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			01/10/25 20:42	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/10/25 20:42	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/10/25 20:42	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/10/25 20:42	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/10/25 20:42	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/10/25 20:42	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 20:42	1
1,3-Butadiene	**0.094**	**J**	0.44	0.086	ug/m3			01/10/25 20:42	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/10/25 20:42	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/10/25 20:42	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/10/25 20:42	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			01/10/25 20:42	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/10/25 20:42	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/10/25 20:42	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/10/25 20:42	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/10/25 20:42	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/10/25 20:42	1
Acetone	**12**		12	3.8	ug/m3			01/10/25 20:42	1
Benzene	**0.35**	**J**	0.64	0.14	ug/m3			01/10/25 20:42	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/10/25 20:42	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/10/25 20:42	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/10/25 20:42	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/10/25 20:42	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/10/25 20:42	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/10/25 20:42	1
Carbon tetrachloride	**0.32**		0.22	0.14	ug/m3			01/10/25 20:42	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/10/25 20:42	1
Chlorodifluoromethane	**1.3**	**J**	1.8	0.42	ug/m3			01/10/25 20:42	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/10/25 20:42	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/10/25 20:42	1
Chloromethane	**1.4**		1.0	0.31	ug/m3			01/10/25 20:42	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/10/25 20:42	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/10/25 20:42	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/10/25 20:42	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/10/25 20:42	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/10/25 20:42	1
Dichlorodifluoromethane	**2.7**		2.5	0.54	ug/m3			01/10/25 20:42	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			01/10/25 20:42	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/10/25 20:42	1
Isopropyl alcohol	**180**	**E**	12	3.9	ug/m3			01/10/25 20:42	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			01/10/25 20:42	1

Client Sample ID: IA-Shop-010825
Lab Sample ID: 480-226734-3
Date Collected: 01/08/25 16:09
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/10/25 20:42	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/10/25 20:42	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/10/25 20:42	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/10/25 20:42	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/10/25 20:42	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/10/25 20:42	1
n-Butane	**6.3**		1.2	0.48	ug/m3			01/10/25 20:42	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/10/25 20:42	1
n-Heptane	**0.31**	**J**	0.82	0.23	ug/m3			01/10/25 20:42	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			01/10/25 20:42	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 20:42	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			01/10/25 20:42	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/10/25 20:42	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/10/25 20:42	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/10/25 20:42	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/10/25 20:42	1
Tetrachloroethene	**0.15**	**J**	1.4	0.14	ug/m3			01/10/25 20:42	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/10/25 20:42	1
Toluene	**0.39**	**J**	0.75	0.23	ug/m3			01/10/25 20:42	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/10/25 20:42	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/10/25 20:42	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			01/10/25 20:42	1
Trichlorofluoromethane	**1.5**		1.1	0.28	ug/m3			01/10/25 20:42	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/10/25 20:42	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			01/10/25 20:42	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/10/25 20:42	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/10/25 20:42	1
1,1,2-Trichlorotrifluoroethane	**0.069**	**J**	0.20	0.053	ppb v/v			01/10/25 20:42	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/10/25 20:42	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/10/25 20:42	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/10/25 20:42	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			01/10/25 20:42	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/10/25 20:42	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/10/25 20:42	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/10/25 20:42	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/10/25 20:42	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/10/25 20:42	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 20:42	1
1,3-Butadiene	**0.043**	**J**	0.20	0.039	ppb v/v			01/10/25 20:42	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/10/25 20:42	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/10/25 20:42	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/10/25 20:42	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			01/10/25 20:42	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/10/25 20:42	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/10/25 20:42	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/10/25 20:42	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/10/25 20:42	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: IA-Shop-010825
Lab Sample ID: 480-226734-3
Date Collected: 01/08/25 16:09
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/10/25 20:42	1
Acetone	**4.9**		5.0	1.6	ppb v/v			01/10/25 20:42	1
Benzene	**0.11**	**J**	0.20	0.044	ppb v/v			01/10/25 20:42	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/10/25 20:42	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/10/25 20:42	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/10/25 20:42	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/10/25 20:42	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/10/25 20:42	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/10/25 20:42	1
Carbon tetrachloride	**0.051**		0.035	0.022	ppb v/v			01/10/25 20:42	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/10/25 20:42	1
Chlorodifluoromethane	**0.36**	**J**	0.50	0.12	ppb v/v			01/10/25 20:42	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/10/25 20:42	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/10/25 20:42	1
Chloromethane	**0.69**		0.50	0.15	ppb v/v			01/10/25 20:42	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/10/25 20:42	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/10/25 20:42	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/10/25 20:42	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/10/25 20:42	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/10/25 20:42	1
Dichlorodifluoromethane	**0.54**		0.50	0.11	ppb v/v			01/10/25 20:42	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			01/10/25 20:42	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/10/25 20:42	1
Isopropyl alcohol	**74**	**E**	5.0	1.6	ppb v/v			01/10/25 20:42	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			01/10/25 20:42	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/10/25 20:42	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/10/25 20:42	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/10/25 20:42	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/10/25 20:42	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/10/25 20:42	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/10/25 20:42	1
n-Butane	**2.7**		0.50	0.20	ppb v/v			01/10/25 20:42	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/10/25 20:42	1
n-Heptane	**0.075**	**J**	0.20	0.055	ppb v/v			01/10/25 20:42	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			01/10/25 20:42	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 20:42	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			01/10/25 20:42	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/10/25 20:42	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/10/25 20:42	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/10/25 20:42	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 20:42	1
Tetrachloroethene	**0.022**	**J**	0.20	0.021	ppb v/v			01/10/25 20:42	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/10/25 20:42	1
Toluene	**0.10**	**J**	0.20	0.062	ppb v/v			01/10/25 20:42	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/10/25 20:42	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/10/25 20:42	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			01/10/25 20:42	1
Trichlorofluoromethane	**0.27**		0.20	0.050	ppb v/v			01/10/25 20:42	1

Client Sample ID: IA-Shop-010825
Lab Sample ID: 480-226734-3

Date Collected: 01/08/25 16:09
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/10/25 20:42	1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.4	U	4.4	0.96	ug/m3			01/13/25 16:44	4
1,1,2,2-Tetrachloroethane	5.5	U	5.5	1.2	ug/m3			01/13/25 16:44	4
1,1,2-Trichloroethane	4.4	U	4.4	1.6	ug/m3			01/13/25 16:44	4
1,1,2-Trichlorotrifluoroethane	6.1	U	6.1	1.6	ug/m3			01/13/25 16:44	4
1,1-Dichloroethane	3.2	U	3.2	0.40	ug/m3			01/13/25 16:44	4
1,1-Dichloroethene	0.80	U	0.80	0.41	ug/m3			01/13/25 16:44	4
1,2,4-Trichlorobenzene	15	U	15	9.8	ug/m3			01/13/25 16:44	4
1,2,4-Trimethylbenzene	3.9	U	3.9	1.6	ug/m3			01/13/25 16:44	4
1,2-Dibromoethane	6.1	U	6.1	1.3	ug/m3			01/13/25 16:44	4
1,2-Dichlorobenzene	4.8	U	4.8	1.6	ug/m3			01/13/25 16:44	4
1,2-Dichloroethane	3.2	U	3.2	1.5	ug/m3			01/13/25 16:44	4
1,2-Dichloropropane	3.7	U	3.7	1.7	ug/m3			01/13/25 16:44	4
1,2-Dichlorotetrafluoroethane	5.6	U	5.6	1.3	ug/m3			01/13/25 16:44	4
1,3,5-Trimethylbenzene	3.9	U	3.9	0.92	ug/m3			01/13/25 16:44	4
1,3-Butadiene	1.8	U	1.8	0.35	ug/m3			01/13/25 16:44	4
1,3-Dichlorobenzene	4.8	U	4.8	1.8	ug/m3			01/13/25 16:44	4
1,4-Dichlorobenzene	4.8	U	4.8	2.1	ug/m3			01/13/25 16:44	4
1,4-Dioxane	72	U	72	1.2	ug/m3			01/13/25 16:44	4
2,2,4-Trimethylpentane	3.7	U	3.7	0.71	ug/m3			01/13/25 16:44	4
2-Chlorotoluene	4.1	U	4.1	0.95	ug/m3			01/13/25 16:44	4
3-Chloropropene	6.3	U	6.3	1.5	ug/m3			01/13/25 16:44	4
4-Ethyltoluene	3.9	U	3.9	0.96	ug/m3			01/13/25 16:44	4
4-Isopropyltoluene	4.4	U	4.4	1.3	ug/m3			01/13/25 16:44	4
4-Methyl-2-pentanone (Methyl isobutyl ketone)	8.2	U	8.2	2.1	ug/m3			01/13/25 16:44	4
Acetone	48	U	48	15	ug/m3			01/13/25 16:44	4
Benzene	2.6	U	2.6	0.56	ug/m3			01/13/25 16:44	4
Benzyl chloride	4.1	U	4.1	1.8	ug/m3			01/13/25 16:44	4
Bromodichloromethane	5.4	U	5.4	1.3	ug/m3			01/13/25 16:44	4
Bromoethene(Vinyl Bromide)	3.5	U	3.5	0.87	ug/m3			01/13/25 16:44	4
Bromoform	8.3	U	8.3	5.0	ug/m3			01/13/25 16:44	4
Bromomethane	3.1	U	3.1	1.1	ug/m3			01/13/25 16:44	4
Carbon disulfide	6.2	U	6.2	1.6	ug/m3			01/13/25 16:44	4
Carbon tetrachloride	0.88	U	0.88	0.55	ug/m3			01/13/25 16:44	4
Chlorobenzene	3.7	U	3.7	0.81	ug/m3			01/13/25 16:44	4
Chlorodifluoromethane	7.1	U	7.1	1.7	ug/m3			01/13/25 16:44	4
Chloroethane	5.3	U	5.3	1.9	ug/m3			01/13/25 16:44	4
Chloroform	3.9	U	3.9	0.80	ug/m3			01/13/25 16:44	4
Chloromethane	**1.4**	**J**	4.1	1.2	ug/m3			01/13/25 16:44	4
cis-1,2-Dichloroethene	0.80	U	0.80	0.33	ug/m3			01/13/25 16:44	4
cis-1,3-Dichloropropene	3.6	U	3.6	0.82	ug/m3			01/13/25 16:44	4
Cumene	3.9	U	3.9	0.81	ug/m3			01/13/25 16:44	4
Cyclohexane	2.8	U	2.8	0.80	ug/m3			01/13/25 16:44	4
Dibromochloromethane	6.8	U	6.8	2.1	ug/m3			01/13/25 16:44	4
Dichlorodifluoromethane	**2.5**	**J**	9.9	2.2	ug/m3			01/13/25 16:44	4

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: IA-Shop-010825
Lab Sample ID: 480-226734-3
Date Collected: 01/08/25 16:09
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	3.5	U	3.5	1.2	ug/m3			01/13/25 16:44	4
Hexachlorobutadiene	8.5	U	8.5	4.7	ug/m3			01/13/25 16:44	4
Isopropyl alcohol	**170**		49	16	ug/m3			01/13/25 16:44	4
m,p-Xylene	8.7	U	8.7	1.7	ug/m3			01/13/25 16:44	4
Methyl Butyl Ketone (2-Hexanone)	8.2	U	8.2	2.5	ug/m3			01/13/25 16:44	4
Methyl Ethyl Ketone (2-Butanone)	5.9	U	5.9	5.8	ug/m3			01/13/25 16:44	4
Methyl methacrylate	8.2	U	8.2	2.3	ug/m3			01/13/25 16:44	4
Methyl tert-butyl ether	2.9	U	2.9	0.52	ug/m3			01/13/25 16:44	4
Methylene Chloride	6.9	U	6.9	2.5	ug/m3			01/13/25 16:44	4
Naphthalene	10	U	10	6.3	ug/m3			01/13/25 16:44	4
n-Butane	**7.1**		4.8	1.9	ug/m3			01/13/25 16:44	4
n-Butylbenzene	4.4	U	4.4	2.4	ug/m3			01/13/25 16:44	4
n-Heptane	3.3	U	3.3	0.90	ug/m3			01/13/25 16:44	4
n-Hexane	7.0	U	7.0	1.6	ug/m3			01/13/25 16:44	4
n-Propylbenzene	3.9	U	3.9	0.92	ug/m3			01/13/25 16:44	4
o-Xylene	3.5	U	3.5	1.1	ug/m3			01/13/25 16:44	4
sec-Butylbenzene	4.4	U	4.4	0.99	ug/m3			01/13/25 16:44	4
Styrene	3.4	U	3.4	1.0	ug/m3			01/13/25 16:44	4
tert-Butyl alcohol	61	U	61	15	ug/m3			01/13/25 16:44	4
tert-Butylbenzene	4.4	U	4.4	1.0	ug/m3			01/13/25 16:44	4
Tetrachloroethene	5.4	U	5.4	0.57	ug/m3			01/13/25 16:44	4
Tetrahydrofuran	59	U	59	15	ug/m3			01/13/25 16:44	4
Toluene	3.0	U	3.0	0.93	ug/m3			01/13/25 16:44	4
trans-1,2-Dichloroethene	3.2	U	3.2	0.36	ug/m3			01/13/25 16:44	4
trans-1,3-Dichloropropene	3.6	U	3.6	0.98	ug/m3			01/13/25 16:44	4
Trichloroethene	0.80	U	0.80	0.54	ug/m3			01/13/25 16:44	4
Trichlorofluoromethane	**1.4**	**J**	4.5	1.1	ug/m3			01/13/25 16:44	4
Vinyl chloride	0.80	U	0.80	0.21	ug/m3			01/13/25 16:44	4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.80	U	0.80	0.18	ppb v/v			01/13/25 16:44	4
1,1,2,2-Tetrachloroethane	0.80	U	0.80	0.17	ppb v/v			01/13/25 16:44	4
1,1,2-Trichloroethane	0.80	U	0.80	0.30	ppb v/v			01/13/25 16:44	4
1,1,2-Trichlorotrifluoroethane	0.80	U	0.80	0.21	ppb v/v			01/13/25 16:44	4
1,1-Dichloroethane	0.80	U	0.80	0.10	ppb v/v			01/13/25 16:44	4
1,1-Dichloroethene	0.20	U	0.20	0.10	ppb v/v			01/13/25 16:44	4
1,2,4-Trichlorobenzene	2.0	U	2.0	1.3	ppb v/v			01/13/25 16:44	4
1,2,4-Trimethylbenzene	0.80	U	0.80	0.32	ppb v/v			01/13/25 16:44	4
1,2-Dibromoethane	0.80	U	0.80	0.17	ppb v/v			01/13/25 16:44	4
1,2-Dichlorobenzene	0.80	U	0.80	0.26	ppb v/v			01/13/25 16:44	4
1,2-Dichloroethane	0.80	U	0.80	0.37	ppb v/v			01/13/25 16:44	4
1,2-Dichloropropane	0.80	U	0.80	0.38	ppb v/v			01/13/25 16:44	4
1,2-Dichlorotetrafluoroethane	0.80	U	0.80	0.19	ppb v/v			01/13/25 16:44	4
1,3,5-Trimethylbenzene	0.80	U	0.80	0.19	ppb v/v			01/13/25 16:44	4
1,3-Butadiene	0.80	U	0.80	0.16	ppb v/v			01/13/25 16:44	4
1,3-Dichlorobenzene	0.80	U	0.80	0.30	ppb v/v			01/13/25 16:44	4
1,4-Dichlorobenzene	0.80	U	0.80	0.36	ppb v/v			01/13/25 16:44	4
1,4-Dioxane	20	U	20	0.33	ppb v/v			01/13/25 16:44	4
2,2,4-Trimethylpentane	0.80	U	0.80	0.15	ppb v/v			01/13/25 16:44	4

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: IA-Shop-010825
Lab Sample ID: 480-226734-3
Date Collected: 01/08/25 16:09
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.80	U	0.80	0.18	ppb v/v			01/13/25 16:44	4
3-Chloropropene	2.0	U	2.0	0.48	ppb v/v			01/13/25 16:44	4
4-Ethyltoluene	0.80	U	0.80	0.20	ppb v/v			01/13/25 16:44	4
4-Isopropyltoluene	0.80	U	0.80	0.24	ppb v/v			01/13/25 16:44	4
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.52	ppb v/v			01/13/25 16:44	4
Acetone	20	U	20	6.4	ppb v/v			01/13/25 16:44	4
Benzene	0.80	U	0.80	0.18	ppb v/v			01/13/25 16:44	4
Benzyl chloride	0.80	U	0.80	0.35	ppb v/v			01/13/25 16:44	4
Bromodichloromethane	0.80	U	0.80	0.20	ppb v/v			01/13/25 16:44	4
Bromoethene(Vinyl Bromide)	0.80	U	0.80	0.20	ppb v/v			01/13/25 16:44	4
Bromoform	0.80	U	0.80	0.48	ppb v/v			01/13/25 16:44	4
Bromomethane	0.80	U	0.80	0.28	ppb v/v			01/13/25 16:44	4
Carbon disulfide	2.0	U	2.0	0.52	ppb v/v			01/13/25 16:44	4
Carbon tetrachloride	0.14	U	0.14	0.088	ppb v/v			01/13/25 16:44	4
Chlorobenzene	0.80	U	0.80	0.18	ppb v/v			01/13/25 16:44	4
Chlorodifluoromethane	2.0	U	2.0	0.48	ppb v/v			01/13/25 16:44	4
Chloroethane	2.0	U	2.0	0.72	ppb v/v			01/13/25 16:44	4
Chloroform	0.80	U	0.80	0.16	ppb v/v			01/13/25 16:44	4
Chloromethane	**0.66**	**J**	2.0	0.60	ppb v/v			01/13/25 16:44	4
cis-1,2-Dichloroethene	0.20	U	0.20	0.084	ppb v/v			01/13/25 16:44	4
cis-1,3-Dichloropropene	0.80	U	0.80	0.18	ppb v/v			01/13/25 16:44	4
Cumene	0.80	U	0.80	0.16	ppb v/v			01/13/25 16:44	4
Cyclohexane	0.80	U	0.80	0.23	ppb v/v			01/13/25 16:44	4
Dibromochloromethane	0.80	U	0.80	0.25	ppb v/v			01/13/25 16:44	4
Dichlorodifluoromethane	**0.52**	**J**	2.0	0.44	ppb v/v			01/13/25 16:44	4
Ethylbenzene	0.80	U	0.80	0.28	ppb v/v			01/13/25 16:44	4
Hexachlorobutadiene	0.80	U	0.80	0.44	ppb v/v			01/13/25 16:44	4
Isopropyl alcohol	**68**		20	6.4	ppb v/v			01/13/25 16:44	4
m,p-Xylene	2.0	U	2.0	0.38	ppb v/v			01/13/25 16:44	4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.60	ppb v/v			01/13/25 16:44	4
Methyl Ethyl Ketone (2-Butanone)	2.0	U	2.0	2.0	ppb v/v			01/13/25 16:44	4
Methyl methacrylate	2.0	U	2.0	0.56	ppb v/v			01/13/25 16:44	4
Methyl tert-butyl ether	0.80	U	0.80	0.14	ppb v/v			01/13/25 16:44	4
Methylene Chloride	2.0	U	2.0	0.72	ppb v/v			01/13/25 16:44	4
Naphthalene	2.0	U	2.0	1.2	ppb v/v			01/13/25 16:44	4
n-Butane	**3.0**		2.0	0.80	ppb v/v			01/13/25 16:44	4
n-Butylbenzene	0.80	U	0.80	0.44	ppb v/v			01/13/25 16:44	4
n-Heptane	0.80	U	0.80	0.22	ppb v/v			01/13/25 16:44	4
n-Hexane	2.0	U	2.0	0.44	ppb v/v			01/13/25 16:44	4
n-Propylbenzene	0.80	U	0.80	0.19	ppb v/v			01/13/25 16:44	4
o-Xylene	0.80	U	0.80	0.25	ppb v/v			01/13/25 16:44	4
sec-Butylbenzene	0.80	U	0.80	0.18	ppb v/v			01/13/25 16:44	4
Styrene	0.80	U	0.80	0.24	ppb v/v			01/13/25 16:44	4
tert-Butyl alcohol	20	U	20	4.8	ppb v/v			01/13/25 16:44	4
tert-Butylbenzene	0.80	U	0.80	0.19	ppb v/v			01/13/25 16:44	4
Tetrachloroethene	0.80	U	0.80	0.084	ppb v/v			01/13/25 16:44	4
Tetrahydrofuran	20	U	20	5.2	ppb v/v			01/13/25 16:44	4
Toluene	0.80	U	0.80	0.25	ppb v/v			01/13/25 16:44	4

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: IA-Shop-010825
Lab Sample ID: 480-226734-3
Date Collected: 01/08/25 16:09
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.80	U	0.80	0.092	ppb v/v			01/13/25 16:44	4
trans-1,3-Dichloropropene	0.80	U	0.80	0.22	ppb v/v			01/13/25 16:44	4
Trichloroethene	0.15	U	0.15	0.10	ppb v/v			01/13/25 16:44	4
Trichlorofluoromethane	**0.25**	**J**	0.80	0.20	ppb v/v			01/13/25 16:44	4
Vinyl chloride	0.31	U	0.31	0.084	ppb v/v			01/13/25 16:44	4

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: DUP-010825
Lab Sample ID: 480-226734-4

Date Collected: 01/08/25 00:00
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			01/10/25 21:34	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/10/25 21:34	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/10/25 21:34	1
1,1,2-Trichlorotrifluoroethane	**0.52**	**J**	1.5	0.41	ug/m3			01/10/25 21:34	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/10/25 21:34	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/10/25 21:34	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/10/25 21:34	1
1,2,4-Trimethylbenzene	**1.0**		0.98	0.39	ug/m3			01/10/25 21:34	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/10/25 21:34	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/10/25 21:34	1
1,2-Dichloroethane	**0.38**	**J**	0.81	0.38	ug/m3			01/10/25 21:34	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/10/25 21:34	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/10/25 21:34	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 21:34	1
1,3-Butadiene	**0.11**	**J**	0.44	0.086	ug/m3			01/10/25 21:34	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/10/25 21:34	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/10/25 21:34	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/10/25 21:34	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			01/10/25 21:34	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/10/25 21:34	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/10/25 21:34	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/10/25 21:34	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/10/25 21:34	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/10/25 21:34	1
Acetone	**15**		12	3.8	ug/m3			01/10/25 21:34	1
Benzene	**0.39**	**J**	0.64	0.14	ug/m3			01/10/25 21:34	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/10/25 21:34	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/10/25 21:34	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/10/25 21:34	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/10/25 21:34	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/10/25 21:34	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/10/25 21:34	1
Carbon tetrachloride	**0.41**		0.22	0.14	ug/m3			01/10/25 21:34	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/10/25 21:34	1
Chlorodifluoromethane	**1.2**	**J**	1.8	0.42	ug/m3			01/10/25 21:34	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/10/25 21:34	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/10/25 21:34	1
Chloromethane	**1.5**		1.0	0.31	ug/m3			01/10/25 21:34	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/10/25 21:34	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/10/25 21:34	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/10/25 21:34	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/10/25 21:34	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/10/25 21:34	1
Dichlorodifluoromethane	**2.6**		2.5	0.54	ug/m3			01/10/25 21:34	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			01/10/25 21:34	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/10/25 21:34	1
Isopropyl alcohol	**200**	**E**	12	3.9	ug/m3			01/10/25 21:34	1
m,p-Xylene	**0.52**	**J**	2.2	0.41	ug/m3			01/10/25 21:34	1

Client Sample ID: DUP-010825
Lab Sample ID: 480-226734-4

Date Collected: 01/08/25 00:00
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/10/25 21:34	1
Methyl Ethyl Ketone (2-Butanone)	**1.7**		1.5	1.4	ug/m3			01/10/25 21:34	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/10/25 21:34	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/10/25 21:34	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/10/25 21:34	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/10/25 21:34	1
n-Butane	**6.7**		1.2	0.48	ug/m3			01/10/25 21:34	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/10/25 21:34	1
n-Heptane	**0.44**	**J**	0.82	0.23	ug/m3			01/10/25 21:34	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			01/10/25 21:34	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 21:34	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			01/10/25 21:34	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/10/25 21:34	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/10/25 21:34	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/10/25 21:34	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/10/25 21:34	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			01/10/25 21:34	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/10/25 21:34	1
Toluene	**0.79**		0.75	0.23	ug/m3			01/10/25 21:34	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/10/25 21:34	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/10/25 21:34	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			01/10/25 21:34	1
Trichlorofluoromethane	**1.5**		1.1	0.28	ug/m3			01/10/25 21:34	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/10/25 21:34	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			01/10/25 21:34	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/10/25 21:34	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/10/25 21:34	1
1,1,2-Trichlorotrifluoroethane	**0.068**	**J**	0.20	0.053	ppb v/v			01/10/25 21:34	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/10/25 21:34	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/10/25 21:34	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/10/25 21:34	1
1,2,4-Trimethylbenzene	**0.20**		0.20	0.080	ppb v/v			01/10/25 21:34	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/10/25 21:34	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/10/25 21:34	1
1,2-Dichloroethane	**0.094**	**J**	0.20	0.093	ppb v/v			01/10/25 21:34	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/10/25 21:34	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/10/25 21:34	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 21:34	1
1,3-Butadiene	**0.048**	**J**	0.20	0.039	ppb v/v			01/10/25 21:34	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/10/25 21:34	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/10/25 21:34	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/10/25 21:34	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			01/10/25 21:34	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/10/25 21:34	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/10/25 21:34	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/10/25 21:34	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/10/25 21:34	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: DUP-010825
Lab Sample ID: 480-226734-4
Date Collected: 01/08/25 00:00
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/10/25 21:34	1
Acetone	**6.2**		5.0	1.6	ppb v/v			01/10/25 21:34	1
Benzene	**0.12**	**J**	0.20	0.044	ppb v/v			01/10/25 21:34	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/10/25 21:34	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/10/25 21:34	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/10/25 21:34	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/10/25 21:34	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/10/25 21:34	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/10/25 21:34	1
Carbon tetrachloride	**0.065**		0.035	0.022	ppb v/v			01/10/25 21:34	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/10/25 21:34	1
Chlorodifluoromethane	**0.35**	**J**	0.50	0.12	ppb v/v			01/10/25 21:34	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/10/25 21:34	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/10/25 21:34	1
Chloromethane	**0.73**		0.50	0.15	ppb v/v			01/10/25 21:34	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/10/25 21:34	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/10/25 21:34	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/10/25 21:34	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/10/25 21:34	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/10/25 21:34	1
Dichlorodifluoromethane	**0.52**		0.50	0.11	ppb v/v			01/10/25 21:34	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			01/10/25 21:34	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/10/25 21:34	1
Isopropyl alcohol	**80**	**E**	5.0	1.6	ppb v/v			01/10/25 21:34	1
m,p-Xylene	**0.12**	**J**	0.50	0.095	ppb v/v			01/10/25 21:34	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/10/25 21:34	1
Methyl Ethyl Ketone (2-Butanone)	**0.58**		0.50	0.49	ppb v/v			01/10/25 21:34	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/10/25 21:34	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/10/25 21:34	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/10/25 21:34	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/10/25 21:34	1
n-Butane	**2.8**		0.50	0.20	ppb v/v			01/10/25 21:34	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/10/25 21:34	1
n-Heptane	**0.11**	**J**	0.20	0.055	ppb v/v			01/10/25 21:34	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			01/10/25 21:34	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 21:34	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			01/10/25 21:34	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/10/25 21:34	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/10/25 21:34	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/10/25 21:34	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 21:34	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			01/10/25 21:34	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/10/25 21:34	1
Toluene	**0.21**		0.20	0.062	ppb v/v			01/10/25 21:34	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/10/25 21:34	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/10/25 21:34	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			01/10/25 21:34	1
Trichlorofluoromethane	**0.26**		0.20	0.050	ppb v/v			01/10/25 21:34	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: DUP-010825
Lab Sample ID: 480-226734-4
Date Collected: 01/08/25 00:00
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/10/25 21:34	1

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.4	U	4.4	0.96	ug/m3			01/13/25 17:35	4
1,1,2,2-Tetrachloroethane	5.5	U	5.5	1.2	ug/m3			01/13/25 17:35	4
1,1,2-Trichloroethane	4.4	U	4.4	1.6	ug/m3			01/13/25 17:35	4
1,1,2-Trichlorotrifluoroethane	6.1	U	6.1	1.6	ug/m3			01/13/25 17:35	4
1,1-Dichloroethane	3.2	U	3.2	0.40	ug/m3			01/13/25 17:35	4
1,1-Dichloroethene	0.80	U	0.80	0.41	ug/m3			01/13/25 17:35	4
1,2,4-Trichlorobenzene	15	U	15	9.8	ug/m3			01/13/25 17:35	4
1,2,4-Trimethylbenzene	3.9	U	3.9	1.6	ug/m3			01/13/25 17:35	4
1,2-Dibromoethane	6.1	U	6.1	1.3	ug/m3			01/13/25 17:35	4
1,2-Dichlorobenzene	4.8	U	4.8	1.6	ug/m3			01/13/25 17:35	4
1,2-Dichloroethane	3.2	U	3.2	1.5	ug/m3			01/13/25 17:35	4
1,2-Dichloropropane	3.7	U	3.7	1.7	ug/m3			01/13/25 17:35	4
1,2-Dichlorotetrafluoroethane	5.6	U	5.6	1.3	ug/m3			01/13/25 17:35	4
1,3,5-Trimethylbenzene	3.9	U	3.9	0.92	ug/m3			01/13/25 17:35	4
1,3-Butadiene	1.8	U	1.8	0.35	ug/m3			01/13/25 17:35	4
1,3-Dichlorobenzene	4.8	U	4.8	1.8	ug/m3			01/13/25 17:35	4
1,4-Dichlorobenzene	4.8	U	4.8	2.1	ug/m3			01/13/25 17:35	4
1,4-Dioxane	72	U	72	1.2	ug/m3			01/13/25 17:35	4
2,2,4-Trimethylpentane	3.7	U	3.7	0.71	ug/m3			01/13/25 17:35	4
2-Chlorotoluene	4.1	U	4.1	0.95	ug/m3			01/13/25 17:35	4
3-Chloropropene	6.3	U	6.3	1.5	ug/m3			01/13/25 17:35	4
4-Ethyltoluene	3.9	U	3.9	0.96	ug/m3			01/13/25 17:35	4
4-Isopropyltoluene	4.4	U	4.4	1.3	ug/m3			01/13/25 17:35	4
4-Methyl-2-pentanone (Methyl isobutyl ketone)	8.2	U	8.2	2.1	ug/m3			01/13/25 17:35	4
Acetone	48	U	48	15	ug/m3			01/13/25 17:35	4
Benzene	2.6	U	2.6	0.56	ug/m3			01/13/25 17:35	4
Benzyl chloride	4.1	U	4.1	1.8	ug/m3			01/13/25 17:35	4
Bromodichloromethane	5.4	U	5.4	1.3	ug/m3			01/13/25 17:35	4
Bromoethene(Vinyl Bromide)	3.5	U	3.5	0.87	ug/m3			01/13/25 17:35	4
Bromoform	8.3	U	8.3	5.0	ug/m3			01/13/25 17:35	4
Bromomethane	3.1	U	3.1	1.1	ug/m3			01/13/25 17:35	4
Carbon disulfide	6.2	U	6.2	1.6	ug/m3			01/13/25 17:35	4
Carbon tetrachloride	0.88	U	0.88	0.55	ug/m3			01/13/25 17:35	4
Chlorobenzene	3.7	U	3.7	0.81	ug/m3			01/13/25 17:35	4
Chlorodifluoromethane	7.1	U	7.1	1.7	ug/m3			01/13/25 17:35	4
Chloroethane	5.3	U	5.3	1.9	ug/m3			01/13/25 17:35	4
Chloroform	3.9	U	3.9	0.80	ug/m3			01/13/25 17:35	4
Chloromethane	**1.4**	**J**	4.1	1.2	ug/m3			01/13/25 17:35	4
cis-1,2-Dichloroethene	0.80	U	0.80	0.33	ug/m3			01/13/25 17:35	4
cis-1,3-Dichloropropene	3.6	U	3.6	0.82	ug/m3			01/13/25 17:35	4
Cumene	3.9	U	3.9	0.81	ug/m3			01/13/25 17:35	4
Cyclohexane	2.8	U	2.8	0.80	ug/m3			01/13/25 17:35	4
Dibromochloromethane	6.8	U	6.8	2.1	ug/m3			01/13/25 17:35	4
Dichlorodifluoromethane	**2.6**	**J**	9.9	2.2	ug/m3			01/13/25 17:35	4

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: DUP-010825
Lab Sample ID: 480-226734-4
Date Collected: 01/08/25 00:00
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	3.5	U	3.5	1.2	ug/m3			01/13/25 17:35	4
Hexachlorobutadiene	8.5	U	8.5	4.7	ug/m3			01/13/25 17:35	4
Isopropyl alcohol	**180**		49	16	ug/m3			01/13/25 17:35	4
m,p-Xylene	8.7	U	8.7	1.7	ug/m3			01/13/25 17:35	4
Methyl Butyl Ketone (2-Hexanone)	8.2	U	8.2	2.5	ug/m3			01/13/25 17:35	4
Methyl Ethyl Ketone (2-Butanone)	5.9	U	5.9	5.8	ug/m3			01/13/25 17:35	4
Methyl methacrylate	8.2	U	8.2	2.3	ug/m3			01/13/25 17:35	4
Methyl tert-butyl ether	2.9	U	2.9	0.52	ug/m3			01/13/25 17:35	4
Methylene Chloride	6.9	U	6.9	2.5	ug/m3			01/13/25 17:35	4
Naphthalene	10	U	10	6.3	ug/m3			01/13/25 17:35	4
n-Butane	**7.1**		4.8	1.9	ug/m3			01/13/25 17:35	4
n-Butylbenzene	4.4	U	4.4	2.4	ug/m3			01/13/25 17:35	4
n-Heptane	3.3	U	3.3	0.90	ug/m3			01/13/25 17:35	4
n-Hexane	7.0	U	7.0	1.6	ug/m3			01/13/25 17:35	4
n-Propylbenzene	3.9	U	3.9	0.92	ug/m3			01/13/25 17:35	4
o-Xylene	3.5	U	3.5	1.1	ug/m3			01/13/25 17:35	4
sec-Butylbenzene	4.4	U	4.4	0.99	ug/m3			01/13/25 17:35	4
Styrene	3.4	U	3.4	1.0	ug/m3			01/13/25 17:35	4
tert-Butyl alcohol	61	U	61	15	ug/m3			01/13/25 17:35	4
tert-Butylbenzene	4.4	U	4.4	1.0	ug/m3			01/13/25 17:35	4
Tetrachloroethene	5.4	U	5.4	0.57	ug/m3			01/13/25 17:35	4
Tetrahydrofuran	59	U	59	15	ug/m3			01/13/25 17:35	4
Toluene	3.0	U	3.0	0.93	ug/m3			01/13/25 17:35	4
trans-1,2-Dichloroethene	3.2	U	3.2	0.36	ug/m3			01/13/25 17:35	4
trans-1,3-Dichloropropene	3.6	U	3.6	0.98	ug/m3			01/13/25 17:35	4
Trichloroethene	0.80	U	0.80	0.54	ug/m3			01/13/25 17:35	4
Trichlorofluoromethane	**1.3**	**J**	4.5	1.1	ug/m3			01/13/25 17:35	4
Vinyl chloride	0.80	U	0.80	0.21	ug/m3			01/13/25 17:35	4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.80	U	0.80	0.18	ppb v/v			01/13/25 17:35	4
1,1,2,2-Tetrachloroethane	0.80	U	0.80	0.17	ppb v/v			01/13/25 17:35	4
1,1,2-Trichloroethane	0.80	U	0.80	0.30	ppb v/v			01/13/25 17:35	4
1,1,2-Trichlorotrifluoroethane	0.80	U	0.80	0.21	ppb v/v			01/13/25 17:35	4
1,1-Dichloroethane	0.80	U	0.80	0.10	ppb v/v			01/13/25 17:35	4
1,1-Dichloroethene	0.20	U	0.20	0.10	ppb v/v			01/13/25 17:35	4
1,2,4-Trichlorobenzene	2.0	U	2.0	1.3	ppb v/v			01/13/25 17:35	4
1,2,4-Trimethylbenzene	0.80	U	0.80	0.32	ppb v/v			01/13/25 17:35	4
1,2-Dibromoethane	0.80	U	0.80	0.17	ppb v/v			01/13/25 17:35	4
1,2-Dichlorobenzene	0.80	U	0.80	0.26	ppb v/v			01/13/25 17:35	4
1,2-Dichloroethane	0.80	U	0.80	0.37	ppb v/v			01/13/25 17:35	4
1,2-Dichloropropane	0.80	U	0.80	0.38	ppb v/v			01/13/25 17:35	4
1,2-Dichlorotetrafluoroethane	0.80	U	0.80	0.19	ppb v/v			01/13/25 17:35	4
1,3,5-Trimethylbenzene	0.80	U	0.80	0.19	ppb v/v			01/13/25 17:35	4
1,3-Butadiene	0.80	U	0.80	0.16	ppb v/v			01/13/25 17:35	4
1,3-Dichlorobenzene	0.80	U	0.80	0.30	ppb v/v			01/13/25 17:35	4
1,4-Dichlorobenzene	0.80	U	0.80	0.36	ppb v/v			01/13/25 17:35	4
1,4-Dioxane	20	U	20	0.33	ppb v/v			01/13/25 17:35	4
2,2,4-Trimethylpentane	0.80	U	0.80	0.15	ppb v/v			01/13/25 17:35	4

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: DUP-010825
Lab Sample ID: 480-226734-4
Date Collected: 01/08/25 00:00
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.80	U	0.80	0.18	ppb v/v			01/13/25 17:35	4
3-Chloropropene	2.0	U	2.0	0.48	ppb v/v			01/13/25 17:35	4
4-Ethyltoluene	0.80	U	0.80	0.20	ppb v/v			01/13/25 17:35	4
4-Isopropyltoluene	0.80	U	0.80	0.24	ppb v/v			01/13/25 17:35	4
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.52	ppb v/v			01/13/25 17:35	4
Acetone	20	U	20	6.4	ppb v/v			01/13/25 17:35	4
Benzene	0.80	U	0.80	0.18	ppb v/v			01/13/25 17:35	4
Benzyl chloride	0.80	U	0.80	0.35	ppb v/v			01/13/25 17:35	4
Bromodichloromethane	0.80	U	0.80	0.20	ppb v/v			01/13/25 17:35	4
Bromoethene(Vinyl Bromide)	0.80	U	0.80	0.20	ppb v/v			01/13/25 17:35	4
Bromoform	0.80	U	0.80	0.48	ppb v/v			01/13/25 17:35	4
Bromomethane	0.80	U	0.80	0.28	ppb v/v			01/13/25 17:35	4
Carbon disulfide	2.0	U	2.0	0.52	ppb v/v			01/13/25 17:35	4
Carbon tetrachloride	0.14	U	0.14	0.088	ppb v/v			01/13/25 17:35	4
Chlorobenzene	0.80	U	0.80	0.18	ppb v/v			01/13/25 17:35	4
Chlorodifluoromethane	2.0	U	2.0	0.48	ppb v/v			01/13/25 17:35	4
Chloroethane	2.0	U	2.0	0.72	ppb v/v			01/13/25 17:35	4
Chloroform	0.80	U	0.80	0.16	ppb v/v			01/13/25 17:35	4
Chloromethane	**0.70**	**J**	2.0	0.60	ppb v/v			01/13/25 17:35	4
cis-1,2-Dichloroethene	0.20	U	0.20	0.084	ppb v/v			01/13/25 17:35	4
cis-1,3-Dichloropropene	0.80	U	0.80	0.18	ppb v/v			01/13/25 17:35	4
Cumene	0.80	U	0.80	0.16	ppb v/v			01/13/25 17:35	4
Cyclohexane	0.80	U	0.80	0.23	ppb v/v			01/13/25 17:35	4
Dibromochloromethane	0.80	U	0.80	0.25	ppb v/v			01/13/25 17:35	4
Dichlorodifluoromethane	**0.52**	**J**	2.0	0.44	ppb v/v			01/13/25 17:35	4
Ethylbenzene	0.80	U	0.80	0.28	ppb v/v			01/13/25 17:35	4
Hexachlorobutadiene	0.80	U	0.80	0.44	ppb v/v			01/13/25 17:35	4
Isopropyl alcohol	**74**		20	6.4	ppb v/v			01/13/25 17:35	4
m,p-Xylene	2.0	U	2.0	0.38	ppb v/v			01/13/25 17:35	4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.60	ppb v/v			01/13/25 17:35	4
Methyl Ethyl Ketone (2-Butanone)	2.0	U	2.0	2.0	ppb v/v			01/13/25 17:35	4
Methyl methacrylate	2.0	U	2.0	0.56	ppb v/v			01/13/25 17:35	4
Methyl tert-butyl ether	0.80	U	0.80	0.14	ppb v/v			01/13/25 17:35	4
Methylene Chloride	2.0	U	2.0	0.72	ppb v/v			01/13/25 17:35	4
Naphthalene	2.0	U	2.0	1.2	ppb v/v			01/13/25 17:35	4
n-Butane	**3.0**		2.0	0.80	ppb v/v			01/13/25 17:35	4
n-Butylbenzene	0.80	U	0.80	0.44	ppb v/v			01/13/25 17:35	4
n-Heptane	0.80	U	0.80	0.22	ppb v/v			01/13/25 17:35	4
n-Hexane	2.0	U	2.0	0.44	ppb v/v			01/13/25 17:35	4
n-Propylbenzene	0.80	U	0.80	0.19	ppb v/v			01/13/25 17:35	4
o-Xylene	0.80	U	0.80	0.25	ppb v/v			01/13/25 17:35	4
sec-Butylbenzene	0.80	U	0.80	0.18	ppb v/v			01/13/25 17:35	4
Styrene	0.80	U	0.80	0.24	ppb v/v			01/13/25 17:35	4
tert-Butyl alcohol	20	U	20	4.8	ppb v/v			01/13/25 17:35	4
tert-Butylbenzene	0.80	U	0.80	0.19	ppb v/v			01/13/25 17:35	4
Tetrachloroethene	0.80	U	0.80	0.084	ppb v/v			01/13/25 17:35	4
Tetrahydrofuran	20	U	20	5.2	ppb v/v			01/13/25 17:35	4
Toluene	0.80	U	0.80	0.25	ppb v/v			01/13/25 17:35	4

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: DUP-010825
Lab Sample ID: 480-226734-4
Date Collected: 01/08/25 00:00
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.80	U	0.80	0.092	ppb v/v			01/13/25 17:35	4
trans-1,3-Dichloropropene	0.80	U	0.80	0.22	ppb v/v			01/13/25 17:35	4
Trichloroethene	0.15	U	0.15	0.10	ppb v/v			01/13/25 17:35	4
Trichlorofluoromethane	**0.23**	**J**	0.80	0.20	ppb v/v			01/13/25 17:35	4
Vinyl chloride	0.31	U	0.31	0.084	ppb v/v			01/13/25 17:35	4

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: OA-010825
Lab Sample ID: 480-226734-5
Date Collected: 01/08/25 16:30
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			01/10/25 22:25	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/10/25 22:25	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/10/25 22:25	1
1,1,2-Trichlorotrifluoroethane	**0.52**	**J**	1.5	0.41	ug/m3			01/10/25 22:25	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/10/25 22:25	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/10/25 22:25	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/10/25 22:25	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			01/10/25 22:25	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/10/25 22:25	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/10/25 22:25	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/10/25 22:25	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/10/25 22:25	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/10/25 22:25	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 22:25	1
1,3-Butadiene	**0.11**	**J**	0.44	0.086	ug/m3			01/10/25 22:25	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/10/25 22:25	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/10/25 22:25	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/10/25 22:25	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			01/10/25 22:25	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/10/25 22:25	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/10/25 22:25	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/10/25 22:25	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/10/25 22:25	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/10/25 22:25	1
Acetone	12	U	12	3.8	ug/m3			01/10/25 22:25	1
Benzene	**0.32**	**J**	0.64	0.14	ug/m3			01/10/25 22:25	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/10/25 22:25	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/10/25 22:25	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/10/25 22:25	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/10/25 22:25	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/10/25 22:25	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/10/25 22:25	1
Carbon tetrachloride	**0.26**		0.22	0.14	ug/m3			01/10/25 22:25	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/10/25 22:25	1
Chlorodifluoromethane	**0.97**	**J**	1.8	0.42	ug/m3			01/10/25 22:25	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/10/25 22:25	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/10/25 22:25	1
Chloromethane	**2.0**		1.0	0.31	ug/m3			01/10/25 22:25	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/10/25 22:25	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/10/25 22:25	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/10/25 22:25	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/10/25 22:25	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/10/25 22:25	1
Dichlorodifluoromethane	**2.4**	**J**	2.5	0.54	ug/m3			01/10/25 22:25	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			01/10/25 22:25	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/10/25 22:25	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			01/10/25 22:25	1
m,p-Xylene	**0.44**	**J**	2.2	0.41	ug/m3			01/10/25 22:25	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: OA-010825
Lab Sample ID: 480-226734-5
Date Collected: 01/08/25 16:30
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/10/25 22:25	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/10/25 22:25	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/10/25 22:25	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/10/25 22:25	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/10/25 22:25	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/10/25 22:25	1
n-Butane	**1.5**		1.2	0.48	ug/m3			01/10/25 22:25	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/10/25 22:25	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			01/10/25 22:25	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			01/10/25 22:25	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 22:25	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			01/10/25 22:25	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/10/25 22:25	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/10/25 22:25	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/10/25 22:25	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/10/25 22:25	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			01/10/25 22:25	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/10/25 22:25	1
Toluene	**1.3**		0.75	0.23	ug/m3			01/10/25 22:25	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/10/25 22:25	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/10/25 22:25	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			01/10/25 22:25	1
Trichlorofluoromethane	**1.3**		1.1	0.28	ug/m3			01/10/25 22:25	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/10/25 22:25	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			01/10/25 22:25	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/10/25 22:25	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/10/25 22:25	1
1,1,2-Trichlorotrifluoroethane	**0.068**	**J**	0.20	0.053	ppb v/v			01/10/25 22:25	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/10/25 22:25	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/10/25 22:25	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/10/25 22:25	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			01/10/25 22:25	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/10/25 22:25	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/10/25 22:25	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/10/25 22:25	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/10/25 22:25	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/10/25 22:25	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 22:25	1
1,3-Butadiene	**0.050**	**J**	0.20	0.039	ppb v/v			01/10/25 22:25	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/10/25 22:25	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/10/25 22:25	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/10/25 22:25	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			01/10/25 22:25	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/10/25 22:25	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/10/25 22:25	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/10/25 22:25	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/10/25 22:25	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: OA-010825
Lab Sample ID: 480-226734-5
Date Collected: 01/08/25 16:30
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/10/25 22:25	1
Acetone	5.0	U	5.0	1.6	ppb v/v			01/10/25 22:25	1
Benzene	**0.099**	**J**	0.20	0.044	ppb v/v			01/10/25 22:25	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/10/25 22:25	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/10/25 22:25	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/10/25 22:25	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/10/25 22:25	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/10/25 22:25	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/10/25 22:25	1
Carbon tetrachloride	**0.041**		0.035	0.022	ppb v/v			01/10/25 22:25	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/10/25 22:25	1
Chlorodifluoromethane	**0.27**	**J**	0.50	0.12	ppb v/v			01/10/25 22:25	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/10/25 22:25	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/10/25 22:25	1
Chloromethane	**0.96**		0.50	0.15	ppb v/v			01/10/25 22:25	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/10/25 22:25	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/10/25 22:25	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/10/25 22:25	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/10/25 22:25	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/10/25 22:25	1
Dichlorodifluoromethane	**0.49**	**J**	0.50	0.11	ppb v/v			01/10/25 22:25	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			01/10/25 22:25	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/10/25 22:25	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			01/10/25 22:25	1
m,p-Xylene	**0.10**	**J**	0.50	0.095	ppb v/v			01/10/25 22:25	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/10/25 22:25	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/10/25 22:25	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/10/25 22:25	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/10/25 22:25	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/10/25 22:25	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/10/25 22:25	1
n-Butane	**0.64**		0.50	0.20	ppb v/v			01/10/25 22:25	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/10/25 22:25	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			01/10/25 22:25	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			01/10/25 22:25	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 22:25	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			01/10/25 22:25	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/10/25 22:25	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/10/25 22:25	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/10/25 22:25	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 22:25	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			01/10/25 22:25	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/10/25 22:25	1
Toluene	**0.35**		0.20	0.062	ppb v/v			01/10/25 22:25	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/10/25 22:25	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/10/25 22:25	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			01/10/25 22:25	1
Trichlorofluoromethane	**0.23**		0.20	0.050	ppb v/v			01/10/25 22:25	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: OA-010825
Lab Sample ID: 480-226734-5
Date Collected: 01/08/25 16:30
Matrix: Air
Date Received: 01/10/25 10:30
Sample Container: Summa Canister 6L

Method: EPA TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/10/25 22:25	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-212706/4
Matrix: Air
Analysis Batch: 212706

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			01/10/25 11:08	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/10/25 11:08	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/10/25 11:08	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			01/10/25 11:08	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/10/25 11:08	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/10/25 11:08	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/10/25 11:08	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			01/10/25 11:08	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/10/25 11:08	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/10/25 11:08	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/10/25 11:08	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/10/25 11:08	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/10/25 11:08	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 11:08	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			01/10/25 11:08	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/10/25 11:08	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/10/25 11:08	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/10/25 11:08	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			01/10/25 11:08	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/10/25 11:08	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/10/25 11:08	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/10/25 11:08	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/10/25 11:08	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/10/25 11:08	1
Acetone	12	U	12	3.8	ug/m3			01/10/25 11:08	1
Benzene	0.64	U	0.64	0.14	ug/m3			01/10/25 11:08	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/10/25 11:08	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/10/25 11:08	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/10/25 11:08	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/10/25 11:08	1
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/10/25 11:08	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/10/25 11:08	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			01/10/25 11:08	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/10/25 11:08	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			01/10/25 11:08	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/10/25 11:08	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/10/25 11:08	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			01/10/25 11:08	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/10/25 11:08	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/10/25 11:08	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/10/25 11:08	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/10/25 11:08	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/10/25 11:08	1
Dichlorodifluoromethane	2.5	U	2.5	0.54	ug/m3			01/10/25 11:08	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			01/10/25 11:08	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/10/25 11:08	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			01/10/25 11:08	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			01/10/25 11:08	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-212706/4
Matrix: Air
Analysis Batch: 212706

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/10/25 11:08	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/10/25 11:08	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/10/25 11:08	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/10/25 11:08	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/10/25 11:08	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/10/25 11:08	1
n-Butane	1.2	U	1.2	0.48	ug/m3			01/10/25 11:08	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/10/25 11:08	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			01/10/25 11:08	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			01/10/25 11:08	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/10/25 11:08	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			01/10/25 11:08	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/10/25 11:08	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/10/25 11:08	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/10/25 11:08	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/10/25 11:08	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			01/10/25 11:08	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/10/25 11:08	1
Toluene	0.75	U	0.75	0.23	ug/m3			01/10/25 11:08	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/10/25 11:08	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/10/25 11:08	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			01/10/25 11:08	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			01/10/25 11:08	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/10/25 11:08	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			01/10/25 11:08	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/10/25 11:08	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/10/25 11:08	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			01/10/25 11:08	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/10/25 11:08	1
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/10/25 11:08	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/10/25 11:08	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			01/10/25 11:08	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/10/25 11:08	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/10/25 11:08	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/10/25 11:08	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/10/25 11:08	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/10/25 11:08	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 11:08	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			01/10/25 11:08	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/10/25 11:08	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/10/25 11:08	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/10/25 11:08	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			01/10/25 11:08	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/10/25 11:08	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/10/25 11:08	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/10/25 11:08	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/10/25 11:08	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-212706/4
Matrix: Air
Analysis Batch: 212706

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/10/25 11:08	1
Acetone	5.0	U	5.0	1.6	ppb v/v			01/10/25 11:08	1
Benzene	0.20	U	0.20	0.044	ppb v/v			01/10/25 11:08	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/10/25 11:08	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/10/25 11:08	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/10/25 11:08	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/10/25 11:08	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/10/25 11:08	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/10/25 11:08	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			01/10/25 11:08	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/10/25 11:08	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			01/10/25 11:08	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/10/25 11:08	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/10/25 11:08	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			01/10/25 11:08	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/10/25 11:08	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/10/25 11:08	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/10/25 11:08	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/10/25 11:08	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/10/25 11:08	1
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			01/10/25 11:08	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			01/10/25 11:08	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/10/25 11:08	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			01/10/25 11:08	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			01/10/25 11:08	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/10/25 11:08	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/10/25 11:08	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/10/25 11:08	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/10/25 11:08	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/10/25 11:08	1
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/10/25 11:08	1
n-Butane	0.50	U	0.50	0.20	ppb v/v			01/10/25 11:08	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/10/25 11:08	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			01/10/25 11:08	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			01/10/25 11:08	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 11:08	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			01/10/25 11:08	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/10/25 11:08	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/10/25 11:08	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/10/25 11:08	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/10/25 11:08	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			01/10/25 11:08	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/10/25 11:08	1
Toluene	0.20	U	0.20	0.062	ppb v/v			01/10/25 11:08	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/10/25 11:08	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/10/25 11:08	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			01/10/25 11:08	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			01/10/25 11:08	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-212706/4
Matrix: Air
Analysis Batch: 212706

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/10/25 11:08	1

Lab Sample ID: LCS 200-212706/3
Matrix: Air
Analysis Batch: 212706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	54.6	57.1		ug/m3		105	72 - 127
1,1,2,2-Tetrachloroethane	68.6	71.6		ug/m3		104	74 - 126
1,1,2-Trichloroethane	54.6	57.2		ug/m3		105	75 - 126
1,1,2-Trichlorotrifluoroethane	76.6	76.4		ug/m3		100	70 - 121
1,1-Dichloroethane	40.5	43.5		ug/m3		108	66 - 130
1,1-Dichloroethene	39.6	40.6		ug/m3		102	68 - 120
1,2,4-Trichlorobenzene	74.2	77.4		ug/m3		104	50 - 150
1,2,4-Trimethylbenzene	49.2	54.9		ug/m3		112	71 - 129
1,2-Dibromoethane	76.8	77.8		ug/m3		101	78 - 122
1,2-Dichlorobenzene	60.1	62.4		ug/m3		104	68 - 129
1,2-Dichloroethane	40.5	43.9		ug/m3		108	68 - 135
1,2-Dichloropropane	46.2	50.9		ug/m3		110	69 - 128
1,2-Dichlorotetrafluoroethane	69.9	76.5		ug/m3		109	71 - 141
1,3,5-Trimethylbenzene	49.2	54.0		ug/m3		110	72 - 126
1,3-Butadiene	22.1	23.7		ug/m3		107	58 - 139
1,3-Dichlorobenzene	60.1	62.3		ug/m3		104	69 - 131
1,4-Dichlorobenzene	60.1	62.6		ug/m3		104	67 - 132
1,4-Dioxane	36.0	32.1		ug/m3		89	66 - 129
2,2,4-Trimethylpentane	46.7	53.7		ug/m3		115	68 - 131
2-Chlorotoluene	51.8	55.1		ug/m3		106	74 - 126
3-Chloropropene	31.3	27.5		ug/m3		88	50 - 150
4-Ethyltoluene	49.2	54.6		ug/m3		111	75 - 129
4-Isopropyltoluene	54.9	60.6		ug/m3		110	68 - 130
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	48.8		ug/m3		119	58 - 144
Acetone	23.7	25.9		ug/m3		109	54 - 154
Benzene	31.9	33.6		ug/m3		105	73 - 119
Benzyl chloride	51.8	55.0		ug/m3		106	60 - 136
Bromodichloromethane	67.0	70.9		ug/m3		106	75 - 127
Bromoethene(Vinyl Bromide)	43.7	47.6		ug/m3		109	75 - 125
Bromoform	103	82.7		ug/m3		80	53 - 149
Bromomethane	38.8	41.9		ug/m3		108	72 - 124
Carbon disulfide	31.1	32.2		ug/m3		103	71 - 138
Carbon tetrachloride	62.9	65.8		ug/m3		105	71 - 133
Chlorobenzene	46.0	46.9		ug/m3		102	76 - 119
Chlorodifluoromethane	35.4	39.5		ug/m3		112	60 - 147
Chloroethane	26.4	29.0		ug/m3		110	68 - 130
Chloroform	48.8	50.8		ug/m3		104	73 - 124
Chloromethane	20.6	23.7		ug/m3		115	56 - 141
cis-1,2-Dichloroethene	39.6	40.2		ug/m3		101	72 - 121
cis-1,3-Dichloropropene	45.4	48.9		ug/m3		108	74 - 125
Cumene	49.1	53.9		ug/m3		110	73 - 123

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-212706/3
Matrix: Air
Analysis Batch: 212706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyclohexane	34.4	36.1		ug/m3		105	76 - 124
Dibromochloromethane	85.2	80.8		ug/m3		95	73 - 125
Dichlorodifluoromethane	49.4	52.6		ug/m3		106	61 - 142
Ethylbenzene	43.4	46.2		ug/m3		106	74 - 122
Hexachlorobutadiene	107	120		ug/m3		112	58 - 130
Isopropyl alcohol	24.6	28.8		ug/m3		117	53 - 142
m,p-Xylene	86.8	93.1		ug/m3		107	76 - 121
Methyl Butyl Ketone (2-Hexanone)	41.0	48.7		ug/m3		119	57 - 143
Methyl Ethyl Ketone (2-Butanone)	29.5	29.7		ug/m3		101	72 - 124
Methyl methacrylate	40.9	43.4		ug/m3		106	73 - 129
Methyl tert-butyl ether	36.0	39.4		ug/m3		109	70 - 127
Methylene Chloride	34.7	38.6		ug/m3		111	59 - 137
Naphthalene	52.4	55.5		ug/m3		106	50 - 150
n-Butane	23.8	28.7		ug/m3		121	53 - 151
n-Butylbenzene	54.9	62.1		ug/m3		113	65 - 137
n-Heptane	41.0	50.3		ug/m3		123	60 - 142
n-Hexane	35.2	39.5		ug/m3		112	63 - 138
n-Propylbenzene	49.1	54.0		ug/m3		110	73 - 127
o-Xylene	43.4	47.1		ug/m3		108	73 - 123
sec-Butylbenzene	54.9	61.4		ug/m3		112	70 - 128
Styrene	42.6	46.7		ug/m3		110	74 - 125
tert-Butyl alcohol	30.3	31.3		ug/m3		103	66 - 132
tert-Butylbenzene	54.9	60.0		ug/m3		109	71 - 125
Tetrachloroethene	67.8	70.3		ug/m3		104	70 - 125
Tetrahydrofuran	29.5	33.4		ug/m3		113	60 - 149
Toluene	37.7	39.6		ug/m3		105	75 - 122
trans-1,2-Dichloroethene	39.6	44.8		ug/m3		113	69 - 137
trans-1,3-Dichloropropene	45.4	52.9		ug/m3		117	74 - 128
Trichloroethene	53.7	55.9		ug/m3		104	73 - 122
Trichlorofluoromethane	56.2	59.1		ug/m3		105	70 - 129
Vinyl chloride	25.6	28.3		ug/m3		111	61 - 135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	10	10.5		ppb v/v		105	72 - 127
1,1,2,2-Tetrachloroethane	10	10.4		ppb v/v		104	74 - 126
1,1,2-Trichloroethane	10	10.5		ppb v/v		105	75 - 126
1,1,2-Trichlorotrifluoroethane	10	9.96		ppb v/v		100	70 - 121
1,1-Dichloroethane	10	10.8		ppb v/v		108	66 - 130
1,1-Dichloroethene	10	10.2		ppb v/v		102	68 - 120
1,2,4-Trichlorobenzene	10	10.4		ppb v/v		104	50 - 150
1,2,4-Trimethylbenzene	10	11.2		ppb v/v		112	71 - 129
1,2-Dibromoethane	10	10.1		ppb v/v		101	78 - 122
1,2-Dichlorobenzene	10	10.4		ppb v/v		104	68 - 129
1,2-Dichloroethane	10	10.8		ppb v/v		108	68 - 135
1,2-Dichloropropane	10	11.0		ppb v/v		110	69 - 128
1,2-Dichlorotetrafluoroethane	10	10.9		ppb v/v		109	71 - 141
1,3,5-Trimethylbenzene	10	11.0		ppb v/v		110	72 - 126

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-212706/3
Matrix: Air
Analysis Batch: 212706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3-Butadiene	10	10.7		ppb v/v		107	58 - 139
1,3-Dichlorobenzene	10	10.4		ppb v/v		104	69 - 131
1,4-Dichlorobenzene	10	10.4		ppb v/v		104	67 - 132
1,4-Dioxane	10	8.91		ppb v/v		89	66 - 129
2,2,4-Trimethylpentane	10	11.5		ppb v/v		115	68 - 131
2-Chlorotoluene	10	10.6		ppb v/v		106	74 - 126
3-Chloropropene	10	8.78		ppb v/v		88	50 - 150
4-Ethyltoluene	10	11.1		ppb v/v		111	75 - 129
4-Isopropyltoluene	10	11.0		ppb v/v		110	68 - 130
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	11.9		ppb v/v		119	58 - 144
Acetone	10	10.9		ppb v/v		109	54 - 154
Benzene	10	10.5		ppb v/v		105	73 - 119
Benzyl chloride	10	10.6		ppb v/v		106	60 - 136
Bromodichloromethane	10	10.6		ppb v/v		106	75 - 127
Bromoethene(Vinyl Bromide)	10	10.9		ppb v/v		109	75 - 125
Bromoform	10	8.00		ppb v/v		80	53 - 149
Bromomethane	10	10.8		ppb v/v		108	72 - 124
Carbon disulfide	10	10.3		ppb v/v		103	71 - 138
Carbon tetrachloride	10	10.5		ppb v/v		105	71 - 133
Chlorobenzene	10	10.2		ppb v/v		102	76 - 119
Chlorodifluoromethane	10	11.2		ppb v/v		112	60 - 147
Chloroethane	10	11.0		ppb v/v		110	68 - 130
Chloroform	10	10.4		ppb v/v		104	73 - 124
Chloromethane	10	11.5		ppb v/v		115	56 - 141
cis-1,2-Dichloroethene	10	10.1		ppb v/v		101	72 - 121
cis-1,3-Dichloropropene	10	10.8		ppb v/v		108	74 - 125
Cumene	10	11.0		ppb v/v		110	73 - 123
Cyclohexane	10	10.5		ppb v/v		105	76 - 124
Dibromochloromethane	10	9.48		ppb v/v		95	73 - 125
Dichlorodifluoromethane	10	10.6		ppb v/v		106	61 - 142
Ethylbenzene	10	10.6		ppb v/v		106	74 - 122
Hexachlorobutadiene	10	11.2		ppb v/v		112	58 - 130
Isopropyl alcohol	10	11.7		ppb v/v		117	53 - 142
m,p-Xylene	20	21.4		ppb v/v		107	76 - 121
Methyl Butyl Ketone (2-Hexanone)	10	11.9		ppb v/v		119	57 - 143
Methyl Ethyl Ketone (2-Butanone)	10	10.1		ppb v/v		101	72 - 124
Methyl methacrylate	10	10.6		ppb v/v		106	73 - 129
Methyl tert-butyl ether	10	10.9		ppb v/v		109	70 - 127
Methylene Chloride	10	11.1		ppb v/v		111	59 - 137
Naphthalene	10	10.6		ppb v/v		106	50 - 150
n-Butane	10	12.1		ppb v/v		121	53 - 151
n-Butylbenzene	10	11.3		ppb v/v		113	65 - 137
n-Heptane	10	12.3		ppb v/v		123	60 - 142
n-Hexane	10	11.2		ppb v/v		112	63 - 138
n-Propylbenzene	10	11.0		ppb v/v		110	73 - 127
o-Xylene	10	10.8		ppb v/v		108	73 - 123

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-212706/3
Matrix: Air
Analysis Batch: 212706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
sec-Butylbenzene	10	11.2		ppb v/v		112	70 - 128
Styrene	10	11.0		ppb v/v		110	74 - 125
tert-Butyl alcohol	10	10.3		ppb v/v		103	66 - 132
tert-Butylbenzene	10	10.9		ppb v/v		109	71 - 125
Tetrachloroethene	10	10.4		ppb v/v		104	70 - 125
Tetrahydrofuran	10	11.3		ppb v/v		113	60 - 149
Toluene	10	10.5		ppb v/v		105	75 - 122
trans-1,2-Dichloroethene	10	11.3		ppb v/v		113	69 - 137
trans-1,3-Dichloropropene	10	11.7		ppb v/v		117	74 - 128
Trichloroethene	10	10.4		ppb v/v		104	73 - 122
Trichlorofluoromethane	10	10.5		ppb v/v		105	70 - 129
Vinyl chloride	10	11.1		ppb v/v		111	61 - 135

Lab Sample ID: MB 200-212731/4
Matrix: Air
Analysis Batch: 212731

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	1.1	0.24	ug/m3			01/13/25 09:34	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.30	ug/m3			01/13/25 09:34	1
1,1,2-Trichloroethane	1.1	U	1.1	0.40	ug/m3			01/13/25 09:34	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.41	ug/m3			01/13/25 09:34	1
1,1-Dichloroethane	0.81	U	0.81	0.10	ug/m3			01/13/25 09:34	1
1,1-Dichloroethene	0.20	U	0.20	0.10	ug/m3			01/13/25 09:34	1
1,2,4-Trichlorobenzene	3.7	U	3.7	2.4	ug/m3			01/13/25 09:34	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.39	ug/m3			01/13/25 09:34	1
1,2-Dibromoethane	1.5	U	1.5	0.32	ug/m3			01/13/25 09:34	1
1,2-Dichlorobenzene	1.2	U	1.2	0.40	ug/m3			01/13/25 09:34	1
1,2-Dichloroethane	0.81	U	0.81	0.38	ug/m3			01/13/25 09:34	1
1,2-Dichloropropane	0.92	U	0.92	0.43	ug/m3			01/13/25 09:34	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.34	ug/m3			01/13/25 09:34	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.23	ug/m3			01/13/25 09:34	1
1,3-Butadiene	0.44	U	0.44	0.086	ug/m3			01/13/25 09:34	1
1,3-Dichlorobenzene	1.2	U	1.2	0.44	ug/m3			01/13/25 09:34	1
1,4-Dichlorobenzene	1.2	U	1.2	0.54	ug/m3			01/13/25 09:34	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/13/25 09:34	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.18	ug/m3			01/13/25 09:34	1
2-Chlorotoluene	1.0	U	1.0	0.24	ug/m3			01/13/25 09:34	1
3-Chloropropene	1.6	U	1.6	0.38	ug/m3			01/13/25 09:34	1
4-Ethyltoluene	0.98	U	0.98	0.24	ug/m3			01/13/25 09:34	1
4-Isopropyltoluene	1.1	U	1.1	0.33	ug/m3			01/13/25 09:34	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.53	ug/m3			01/13/25 09:34	1
Acetone	12	U	12	3.8	ug/m3			01/13/25 09:34	1
Benzene	0.64	U	0.64	0.14	ug/m3			01/13/25 09:34	1
Benzyl chloride	1.0	U	1.0	0.46	ug/m3			01/13/25 09:34	1
Bromodichloromethane	1.3	U	1.3	0.34	ug/m3			01/13/25 09:34	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.22	ug/m3			01/13/25 09:34	1
Bromoform	2.1	U	2.1	1.2	ug/m3			01/13/25 09:34	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-212731/4
Matrix: Air
Analysis Batch: 212731

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	0.78	U	0.78	0.28	ug/m3			01/13/25 09:34	1
Carbon disulfide	1.6	U	1.6	0.40	ug/m3			01/13/25 09:34	1
Carbon tetrachloride	0.22	U	0.22	0.14	ug/m3			01/13/25 09:34	1
Chlorobenzene	0.92	U	0.92	0.20	ug/m3			01/13/25 09:34	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			01/13/25 09:34	1
Chloroethane	1.3	U	1.3	0.47	ug/m3			01/13/25 09:34	1
Chloroform	0.98	U	0.98	0.20	ug/m3			01/13/25 09:34	1
Chloromethane	1.0	U	1.0	0.31	ug/m3			01/13/25 09:34	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.083	ug/m3			01/13/25 09:34	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.20	ug/m3			01/13/25 09:34	1
Cumene	0.98	U	0.98	0.20	ug/m3			01/13/25 09:34	1
Cyclohexane	0.69	U	0.69	0.20	ug/m3			01/13/25 09:34	1
Dibromochloromethane	1.7	U	1.7	0.54	ug/m3			01/13/25 09:34	1
Dichlorodifluoromethane	2.5	U	2.5	0.54	ug/m3			01/13/25 09:34	1
Ethylbenzene	0.87	U	0.87	0.30	ug/m3			01/13/25 09:34	1
Hexachlorobutadiene	2.1	U	2.1	1.2	ug/m3			01/13/25 09:34	1
Isopropyl alcohol	12	U	12	3.9	ug/m3			01/13/25 09:34	1
m,p-Xylene	2.2	U	2.2	0.41	ug/m3			01/13/25 09:34	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.61	ug/m3			01/13/25 09:34	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	1.4	ug/m3			01/13/25 09:34	1
Methyl methacrylate	2.0	U	2.0	0.57	ug/m3			01/13/25 09:34	1
Methyl tert-butyl ether	0.72	U	0.72	0.13	ug/m3			01/13/25 09:34	1
Methylene Chloride	1.7	U	1.7	0.63	ug/m3			01/13/25 09:34	1
Naphthalene	2.6	U	2.6	1.6	ug/m3			01/13/25 09:34	1
n-Butane	1.2	U	1.2	0.48	ug/m3			01/13/25 09:34	1
n-Butylbenzene	1.1	U	1.1	0.60	ug/m3			01/13/25 09:34	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			01/13/25 09:34	1
n-Hexane	1.8	U	1.8	0.39	ug/m3			01/13/25 09:34	1
n-Propylbenzene	0.98	U	0.98	0.23	ug/m3			01/13/25 09:34	1
o-Xylene	0.87	U	0.87	0.27	ug/m3			01/13/25 09:34	1
sec-Butylbenzene	1.1	U	1.1	0.25	ug/m3			01/13/25 09:34	1
Styrene	0.85	U	0.85	0.25	ug/m3			01/13/25 09:34	1
tert-Butyl alcohol	15	U	15	3.6	ug/m3			01/13/25 09:34	1
tert-Butylbenzene	1.1	U	1.1	0.26	ug/m3			01/13/25 09:34	1
Tetrachloroethene	1.4	U	1.4	0.14	ug/m3			01/13/25 09:34	1
Tetrahydrofuran	15	U	15	3.8	ug/m3			01/13/25 09:34	1
Toluene	0.75	U	0.75	0.23	ug/m3			01/13/25 09:34	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.091	ug/m3			01/13/25 09:34	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.25	ug/m3			01/13/25 09:34	1
Trichloroethene	0.20	U	0.20	0.13	ug/m3			01/13/25 09:34	1
Trichlorofluoromethane	1.1	U	1.1	0.28	ug/m3			01/13/25 09:34	1
Vinyl chloride	0.20	U	0.20	0.054	ug/m3			01/13/25 09:34	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.20	U	0.20	0.044	ppb v/v			01/13/25 09:34	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.043	ppb v/v			01/13/25 09:34	1
1,1,2-Trichloroethane	0.20	U	0.20	0.074	ppb v/v			01/13/25 09:34	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.053	ppb v/v			01/13/25 09:34	1
1,1-Dichloroethane	0.20	U	0.20	0.025	ppb v/v			01/13/25 09:34	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-212731/4
Matrix: Air
Analysis Batch: 212731

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.050	U	0.050	0.026	ppb v/v			01/13/25 09:34	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.33	ppb v/v			01/13/25 09:34	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.080	ppb v/v			01/13/25 09:34	1
1,2-Dibromoethane	0.20	U	0.20	0.042	ppb v/v			01/13/25 09:34	1
1,2-Dichlorobenzene	0.20	U	0.20	0.066	ppb v/v			01/13/25 09:34	1
1,2-Dichloroethane	0.20	U	0.20	0.093	ppb v/v			01/13/25 09:34	1
1,2-Dichloropropane	0.20	U	0.20	0.094	ppb v/v			01/13/25 09:34	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.048	ppb v/v			01/13/25 09:34	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.047	ppb v/v			01/13/25 09:34	1
1,3-Butadiene	0.20	U	0.20	0.039	ppb v/v			01/13/25 09:34	1
1,3-Dichlorobenzene	0.20	U	0.20	0.074	ppb v/v			01/13/25 09:34	1
1,4-Dichlorobenzene	0.20	U	0.20	0.089	ppb v/v			01/13/25 09:34	1
1,4-Dioxane	5.0	U	5.0	0.082	ppb v/v			01/13/25 09:34	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.038	ppb v/v			01/13/25 09:34	1
2-Chlorotoluene	0.20	U	0.20	0.046	ppb v/v			01/13/25 09:34	1
3-Chloropropene	0.50	U	0.50	0.12	ppb v/v			01/13/25 09:34	1
4-Ethyltoluene	0.20	U	0.20	0.049	ppb v/v			01/13/25 09:34	1
4-Isopropyltoluene	0.20	U	0.20	0.061	ppb v/v			01/13/25 09:34	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.13	ppb v/v			01/13/25 09:34	1
Acetone	5.0	U	5.0	1.6	ppb v/v			01/13/25 09:34	1
Benzene	0.20	U	0.20	0.044	ppb v/v			01/13/25 09:34	1
Benzyl chloride	0.20	U	0.20	0.088	ppb v/v			01/13/25 09:34	1
Bromodichloromethane	0.20	U	0.20	0.050	ppb v/v			01/13/25 09:34	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.050	ppb v/v			01/13/25 09:34	1
Bromoform	0.20	U	0.20	0.12	ppb v/v			01/13/25 09:34	1
Bromomethane	0.20	U	0.20	0.071	ppb v/v			01/13/25 09:34	1
Carbon disulfide	0.50	U	0.50	0.13	ppb v/v			01/13/25 09:34	1
Carbon tetrachloride	0.035	U	0.035	0.022	ppb v/v			01/13/25 09:34	1
Chlorobenzene	0.20	U	0.20	0.044	ppb v/v			01/13/25 09:34	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			01/13/25 09:34	1
Chloroethane	0.50	U	0.50	0.18	ppb v/v			01/13/25 09:34	1
Chloroform	0.20	U	0.20	0.041	ppb v/v			01/13/25 09:34	1
Chloromethane	0.50	U	0.50	0.15	ppb v/v			01/13/25 09:34	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.021	ppb v/v			01/13/25 09:34	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.045	ppb v/v			01/13/25 09:34	1
Cumene	0.20	U	0.20	0.041	ppb v/v			01/13/25 09:34	1
Cyclohexane	0.20	U	0.20	0.058	ppb v/v			01/13/25 09:34	1
Dibromochloromethane	0.20	U	0.20	0.063	ppb v/v			01/13/25 09:34	1
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			01/13/25 09:34	1
Ethylbenzene	0.20	U	0.20	0.069	ppb v/v			01/13/25 09:34	1
Hexachlorobutadiene	0.20	U	0.20	0.11	ppb v/v			01/13/25 09:34	1
Isopropyl alcohol	5.0	U	5.0	1.6	ppb v/v			01/13/25 09:34	1
m,p-Xylene	0.50	U	0.50	0.095	ppb v/v			01/13/25 09:34	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.15	ppb v/v			01/13/25 09:34	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.49	ppb v/v			01/13/25 09:34	1
Methyl methacrylate	0.50	U	0.50	0.14	ppb v/v			01/13/25 09:34	1
Methyl tert-butyl ether	0.20	U	0.20	0.036	ppb v/v			01/13/25 09:34	1
Methylene Chloride	0.50	U	0.50	0.18	ppb v/v			01/13/25 09:34	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-212731/4
Matrix: Air
Analysis Batch: 212731

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.50	U	0.50	0.30	ppb v/v			01/13/25 09:34	1
n-Butane	0.50	U	0.50	0.20	ppb v/v			01/13/25 09:34	1
n-Butylbenzene	0.20	U	0.20	0.11	ppb v/v			01/13/25 09:34	1
n-Heptane	0.20	U	0.20	0.055	ppb v/v			01/13/25 09:34	1
n-Hexane	0.50	U	0.50	0.11	ppb v/v			01/13/25 09:34	1
n-Propylbenzene	0.20	U	0.20	0.047	ppb v/v			01/13/25 09:34	1
o-Xylene	0.20	U	0.20	0.063	ppb v/v			01/13/25 09:34	1
sec-Butylbenzene	0.20	U	0.20	0.045	ppb v/v			01/13/25 09:34	1
Styrene	0.20	U	0.20	0.059	ppb v/v			01/13/25 09:34	1
tert-Butyl alcohol	5.0	U	5.0	1.2	ppb v/v			01/13/25 09:34	1
tert-Butylbenzene	0.20	U	0.20	0.047	ppb v/v			01/13/25 09:34	1
Tetrachloroethene	0.20	U	0.20	0.021	ppb v/v			01/13/25 09:34	1
Tetrahydrofuran	5.0	U	5.0	1.3	ppb v/v			01/13/25 09:34	1
Toluene	0.20	U	0.20	0.062	ppb v/v			01/13/25 09:34	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.023	ppb v/v			01/13/25 09:34	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.054	ppb v/v			01/13/25 09:34	1
Trichloroethene	0.037	U	0.037	0.025	ppb v/v			01/13/25 09:34	1
Trichlorofluoromethane	0.20	U	0.20	0.050	ppb v/v			01/13/25 09:34	1
Vinyl chloride	0.078	U	0.078	0.021	ppb v/v			01/13/25 09:34	1

Lab Sample ID: LCS 200-212731/3
Matrix: Air
Analysis Batch: 212731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	54.6	57.5		ug/m3		105	72 - 127
1,1,2,2-Tetrachloroethane	68.6	70.7		ug/m3		103	74 - 126
1,1,2-Trichloroethane	54.6	57.1		ug/m3		105	75 - 126
1,1,2-Trichlorotrifluoroethane	76.6	77.7		ug/m3		101	70 - 121
1,1-Dichloroethane	40.5	41.9		ug/m3		104	66 - 130
1,1-Dichloroethene	39.6	41.4		ug/m3		104	68 - 120
1,2,4-Trichlorobenzene	74.2	78.6		ug/m3		106	50 - 150
1,2,4-Trimethylbenzene	49.2	54.6		ug/m3		111	71 - 129
1,2-Dibromoethane	76.8	79.2		ug/m3		103	78 - 122
1,2-Dichlorobenzene	60.1	62.8		ug/m3		104	68 - 129
1,2-Dichloroethane	40.5	42.3		ug/m3		105	68 - 135
1,2-Dichloropropane	46.2	49.4		ug/m3		107	69 - 128
1,2-Dichlorotetrafluoroethane	69.9	79.7		ug/m3		114	71 - 141
1,3,5-Trimethylbenzene	49.2	54.1		ug/m3		110	72 - 126
1,3-Butadiene	22.1	21.4		ug/m3		97	58 - 139
1,3-Dichlorobenzene	60.1	63.1		ug/m3		105	69 - 131
1,4-Dichlorobenzene	60.1	63.5		ug/m3		106	67 - 132
1,4-Dioxane	36.0	32.3		ug/m3		90	66 - 129
2,2,4-Trimethylpentane	46.7	51.9		ug/m3		111	68 - 131
2-Chlorotoluene	51.8	55.0		ug/m3		106	74 - 126
3-Chloropropene	31.3	25.8		ug/m3		82	50 - 150
4-Ethyltoluene	49.2	54.8		ug/m3		112	75 - 129
4-Isopropyltoluene	54.9	60.4		ug/m3		110	68 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-212731/3
Matrix: Air
Analysis Batch: 212731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.0	45.8		ug/m3		112	58 - 144
Acetone	23.7	24.6		ug/m3		104	54 - 154
Benzene	31.9	33.6		ug/m3		105	73 - 119
Benzyl chloride	51.8	54.6		ug/m3		105	60 - 136
Bromodichloromethane	67.0	69.8		ug/m3		104	75 - 127
Bromoethene(Vinyl Bromide)	43.7	49.7		ug/m3		114	75 - 125
Bromoform	103	84.7		ug/m3		82	53 - 149
Bromomethane	38.8	43.5		ug/m3		112	72 - 124
Carbon disulfide	31.1	32.1		ug/m3		103	71 - 138
Carbon tetrachloride	62.9	66.4		ug/m3		106	71 - 133
Chlorobenzene	46.0	47.6		ug/m3		103	76 - 119
Chlorodifluoromethane	35.4	40.4		ug/m3		114	60 - 147
Chloroethane	26.4	29.5		ug/m3		112	68 - 130
Chloroform	48.8	50.0		ug/m3		102	73 - 124
Chloromethane	20.6	23.7		ug/m3		115	56 - 141
cis-1,2-Dichloroethene	39.6	40.2		ug/m3		102	72 - 121
cis-1,3-Dichloropropene	45.4	48.6		ug/m3		107	74 - 125
Cumene	49.1	54.3		ug/m3		111	73 - 123
Cyclohexane	34.4	36.2		ug/m3		105	76 - 124
Dibromochloromethane	85.2	82.2		ug/m3		96	73 - 125
Dichlorodifluoromethane	49.4	54.4		ug/m3		110	61 - 142
Ethylbenzene	43.4	46.4		ug/m3		107	74 - 122
Hexachlorobutadiene	107	122		ug/m3		115	58 - 130
Isopropyl alcohol	24.6	27.7		ug/m3		113	53 - 142
m,p-Xylene	86.8	93.5		ug/m3		108	76 - 121
Methyl Butyl Ketone (2-Hexanone)	41.0	45.9		ug/m3		112	57 - 143
Methyl Ethyl Ketone (2-Butanone)	29.5	29.4		ug/m3		100	72 - 124
Methyl methacrylate	40.9	42.7		ug/m3		104	73 - 129
Methyl tert-butyl ether	36.0	38.8		ug/m3		108	70 - 127
Methylene Chloride	34.7	36.4		ug/m3		105	59 - 137
Naphthalene	52.4	56.5		ug/m3		108	50 - 150
n-Butane	23.8	25.5		ug/m3		107	53 - 151
n-Butylbenzene	54.9	60.3		ug/m3		110	65 - 137
n-Heptane	41.0	47.3		ug/m3		115	60 - 142
n-Hexane	35.2	38.1		ug/m3		108	63 - 138
n-Propylbenzene	49.1	53.8		ug/m3		110	73 - 127
o-Xylene	43.4	47.6		ug/m3		110	73 - 123
sec-Butylbenzene	54.9	61.1		ug/m3		111	70 - 128
Styrene	42.6	46.9		ug/m3		110	74 - 125
tert-Butyl alcohol	30.3	30.9		ug/m3		102	66 - 132
tert-Butylbenzene	54.9	60.5		ug/m3		110	71 - 125
Tetrachloroethene	67.8	72.5		ug/m3		107	70 - 125
Tetrahydrofuran	29.5	31.2		ug/m3		106	60 - 149
Toluene	37.7	40.2		ug/m3		107	75 - 122
trans-1,2-Dichloroethene	39.6	43.2		ug/m3		109	69 - 137
trans-1,3-Dichloropropene	45.4	52.4		ug/m3		115	74 - 128

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-212731/3
Matrix: Air
Analysis Batch: 212731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichloroethene	53.7	56.2		ug/m3		105	73 - 122
Trichlorofluoromethane	56.2	60.8		ug/m3		108	70 - 129
Vinyl chloride	25.6	25.7		ug/m3		100	61 - 135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	10	10.5		ppb v/v		105	72 - 127
1,1,2,2-Tetrachloroethane	10	10.3		ppb v/v		103	74 - 126
1,1,2-Trichloroethane	10	10.5		ppb v/v		105	75 - 126
1,1,2-Trichlorotrifluoroethane	10	10.1		ppb v/v		101	70 - 121
1,1-Dichloroethane	10	10.4		ppb v/v		104	66 - 130
1,1-Dichloroethene	10	10.4		ppb v/v		104	68 - 120
1,2,4-Trichlorobenzene	10	10.6		ppb v/v		106	50 - 150
1,2,4-Trimethylbenzene	10	11.1		ppb v/v		111	71 - 129
1,2-Dibromoethane	10	10.3		ppb v/v		103	78 - 122
1,2-Dichlorobenzene	10	10.4		ppb v/v		104	68 - 129
1,2-Dichloroethane	10	10.5		ppb v/v		105	68 - 135
1,2-Dichloropropane	10	10.7		ppb v/v		107	69 - 128
1,2-Dichlorotetrafluoroethane	10	11.4		ppb v/v		114	71 - 141
1,3,5-Trimethylbenzene	10	11.0		ppb v/v		110	72 - 126
1,3-Butadiene	10	9.67		ppb v/v		97	58 - 139
1,3-Dichlorobenzene	10	10.5		ppb v/v		105	69 - 131
1,4-Dichlorobenzene	10	10.6		ppb v/v		106	67 - 132
1,4-Dioxane	10	8.97		ppb v/v		90	66 - 129
2,2,4-Trimethylpentane	10	11.1		ppb v/v		111	68 - 131
2-Chlorotoluene	10	10.6		ppb v/v		106	74 - 126
3-Chloropropene	10	8.23		ppb v/v		82	50 - 150
4-Ethyltoluene	10	11.1		ppb v/v		112	75 - 129
4-Isopropyltoluene	10	11.0		ppb v/v		110	68 - 130
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	11.2		ppb v/v		112	58 - 144
Acetone	10	10.4		ppb v/v		104	54 - 154
Benzene	10	10.5		ppb v/v		105	73 - 119
Benzyl chloride	10	10.5		ppb v/v		105	60 - 136
Bromodichloromethane	10	10.4		ppb v/v		104	75 - 127
Bromoethene(Vinyl Bromide)	10	11.4		ppb v/v		114	75 - 125
Bromoform	10	8.19		ppb v/v		82	53 - 149
Bromomethane	10	11.2		ppb v/v		112	72 - 124
Carbon disulfide	10	10.3		ppb v/v		103	71 - 138
Carbon tetrachloride	10	10.6		ppb v/v		106	71 - 133
Chlorobenzene	10	10.3		ppb v/v		103	76 - 119
Chlorodifluoromethane	10	11.4		ppb v/v		114	60 - 147
Chloroethane	10	11.2		ppb v/v		112	68 - 130
Chloroform	10	10.2		ppb v/v		102	73 - 124
Chloromethane	10	11.5		ppb v/v		115	56 - 141
cis-1,2-Dichloroethene	10	10.1		ppb v/v		102	72 - 121
cis-1,3-Dichloropropene	10	10.7		ppb v/v		107	74 - 125
Cumene	10	11.0		ppb v/v		111	73 - 123
Cyclohexane	10	10.5		ppb v/v		105	76 - 124
Dibromochloromethane	10	9.65		ppb v/v		96	73 - 125

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-212731/3
Matrix: Air
Analysis Batch: 212731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10	11.0		ppb v/v		110	61 - 142
Ethylbenzene	10	10.7		ppb v/v		107	74 - 122
Hexachlorobutadiene	10	11.5		ppb v/v		115	58 - 130
Isopropyl alcohol	10	11.3		ppb v/v		113	53 - 142
m,p-Xylene	20	21.5		ppb v/v		108	76 - 121
Methyl Butyl Ketone (2-Hexanone)	10	11.2		ppb v/v		112	57 - 143
Methyl Ethyl Ketone (2-Butanone)	10	9.97		ppb v/v		100	72 - 124
Methyl methacrylate	10	10.4		ppb v/v		104	73 - 129
Methyl tert-butyl ether	10	10.8		ppb v/v		108	70 - 127
Methylene Chloride	10	10.5		ppb v/v		105	59 - 137
Naphthalene	10	10.8		ppb v/v		108	50 - 150
n-Butane	10	10.7		ppb v/v		107	53 - 151
n-Butylbenzene	10	11.0		ppb v/v		110	65 - 137
n-Heptane	10	11.5		ppb v/v		115	60 - 142
n-Hexane	10	10.8		ppb v/v		108	63 - 138
n-Propylbenzene	10	10.9		ppb v/v		110	73 - 127
o-Xylene	10	11.0		ppb v/v		110	73 - 123
sec-Butylbenzene	10	11.1		ppb v/v		111	70 - 128
Styrene	10	11.0		ppb v/v		110	74 - 125
tert-Butyl alcohol	10	10.2		ppb v/v		102	66 - 132
tert-Butylbenzene	10	11.0		ppb v/v		110	71 - 125
Tetrachloroethene	10	10.7		ppb v/v		107	70 - 125
Tetrahydrofuran	10	10.6		ppb v/v		106	60 - 149
Toluene	10	10.7		ppb v/v		107	75 - 122
trans-1,2-Dichloroethene	10	10.9		ppb v/v		109	69 - 137
trans-1,3-Dichloropropene	10	11.5		ppb v/v		115	74 - 128
Trichloroethene	10	10.5		ppb v/v		105	73 - 122
Trichlorofluoromethane	10	10.8		ppb v/v		108	70 - 129
Vinyl chloride	10	10.0		ppb v/v		100	61 - 135

Air - GC/MS VOA

Analysis Batch: 212706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226734-2	IA-Basement-010825	Total/NA	Air	TO-15	
480-226734-3	IA-Shop-010825	Total/NA	Air	TO-15	
480-226734-4	DUP-010825	Total/NA	Air	TO-15	
480-226734-5	OA-010825	Total/NA	Air	TO-15	
MB 200-212706/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-212706/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 212731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-226734-1	SS-Basement-010825	Total/NA	Air	TO-15	
480-226734-3 - DL	IA-Shop-010825	Total/NA	Air	TO-15	
480-226734-4 - DL	DUP-010825	Total/NA	Air	TO-15	
MB 200-212731/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-212731/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Client Sample ID: SS-Basement-010825
Lab Sample ID: 480-226734-1
Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	212731	K1P	EET BUR	01/13/25 14:11

Client Sample ID: IA-Basement-010825
Lab Sample ID: 480-226734-2
Date Collected: 01/08/25 15:50
Matrix: Air
Date Received: 01/10/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	212706	K1P	EET BUR	01/10/25 19:51

Client Sample ID: IA-Shop-010825
Lab Sample ID: 480-226734-3
Date Collected: 01/08/25 16:09
Matrix: Air
Date Received: 01/10/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	212706	K1P	EET BUR	01/10/25 20:42
Total/NA	Analysis	TO-15	DL	4	212731	K1P	EET BUR	01/13/25 16:44

Client Sample ID: DUP-010825
Lab Sample ID: 480-226734-4
Date Collected: 01/08/25 00:00
Matrix: Air
Date Received: 01/10/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	212706	K1P	EET BUR	01/10/25 21:34
Total/NA	Analysis	TO-15	DL	4	212731	K1P	EET BUR	01/13/25 17:35

Client Sample ID: OA-010825
Lab Sample ID: 480-226734-5
Date Collected: 01/08/25 16:30
Matrix: Air
Date Received: 01/10/25 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	212706	K1P	EET BUR	01/10/25 22:25

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Laboratory: Eurofins Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	4-Ethyltoluene
TO-15		Air	4-Isopropyltoluene
TO-15		Air	Chlorodifluoromethane
TO-15		Air	Methyl Butyl Ketone (2-Hexanone)
TO-15		Air	n-Butane
TO-15		Air	n-Butylbenzene
TO-15		Air	n-Propylbenzene
TO-15		Air	sec-Butylbenzene
TO-15		Air	tert-Butylbenzene
TO-15		Air	Tetrahydrofuran

Method Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	EET BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-226734-1
Project/Site: NYSDEC - Silvestri Dry Cleaners Site

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-226734-1	SS-Basement-010825	Air	01/08/25 15:50	01/10/25 10:30	Air Canister (6-Liter) #5894
480-226734-2	IA-Basement-010825	Air	01/08/25 15:50	01/10/25 10:30	Air Canister (6-Liter) #3162
480-226734-3	IA-Shop-010825	Air	01/08/25 16:09	01/10/25 10:30	Air Canister (6-Liter) #4810
480-226734-4	DUP-010825	Air	01/08/25 00:00	01/10/25 10:30	Air Canister (6-Liter) #2911
480-226734-5	OA-010825	Air	01/08/25 16:30	01/10/25 10:30	Air Canister (6-Liter) #4925

Post-Sampling Air Canister Pressure Check Record

Login # (w/ Location Code)	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (°C)	Pressure Gauge ID	Analyst
480-226734	01/10/25	13:23	29.6	22.3	G39	JB

Sampling Information and Return Equipment Check	Yes	N o	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	X		
(2) Is the flow controller ID used for each canister recorded?	X		
(3) MA MCP & NJ DKQP: Check return flow rate for flow controllers		X	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		X	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Check[4] Reference	FC Return (Y/N)	Can Cert Batch ID	Comments
480-226734-1	5894	-5.1	N	4053	05/18	Y	5094-63479	
480-226734-2	3162	-3.3	N	3664	05/18	Y	3162-63412	
480-226734-3	4810	-4.4	N	3954	05/19	Y	4810-63431	
480-226734-4	2911	-5.7	N	3294	05/18	Y	2911-63453	
480-226734-5	4925	-5.5	N	3784	05/18	Y	4925-63431	

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg) with the exception of grab samples or those using 100 or 200mL/minute flow controllers. These samples must be returned at no lower than -10"Hg, but have no specific criteria otherwise.

[2] If return pressure is not within criteria, initiate Non-Conformance Memo.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

[4] Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

Albany
#224

480-226734 Chain of Custody

Canister Samples Chain of C

TestAmerica Laboratories, Inc assumes no liability with respect to the collection and ship

Eurofins TestAmerica, Burlington
530 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660.1990 fax 802.660.1919

eurofins | Environment Testing America

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	
Company Name	Ramboll Americas
Address:	94 Newkarner Rd, Suite 10e
City/State/Zip	Albany, NY, 12203
Phone	518-724-7272
FAX.	—
Project Name	NYSDEC - Silverstein Dry Cleaners Site
Site/Location	Colonie, NY
P O #	1470009211

Client Project Manager:	Rebecca McDonald
Phone:	603-686-0638
Email:	Rebecca.McDonald@ramboll.com
Site Contact:	Robert Hornung / Alayna Fuess
Tel/Fax	—
Analysis Turnaround Time	
Standard (Specific)	Normal TAT
Rush (Specifiy):	

Samples Collected By: Alayna Fuess, Robert Hornung

COC No: 1 of 1 COCs

TALS Project #:

For Lab Use Only:
Walk-in Client:
Lab Sampling

Job / SDG No

(See below for Add'l Items)

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
SS-Basement-010825	1/8/25	0755	1/8/25	1550	-30.2	-5.0	4053	5894	X									X					
IA-Basement-010825		0755		1550	-30.2	-4.0	3664	3162	X								X						
IA-Shop-010825		0810		1609	-30.2	-6.0	3954	4810	X								X						
DUP-010825		—		—	-30.2	-6.0	3294	2911	X								X						
OA-010825		0825		1630	-30.2	-7.0	3784	4925	X								X						
																							SVK 1/9/25

Temperature (Fahrenheit)				
Start	Interior	51.2°	Ambient	15°
Stop		54.5°		18°

Pressure (inches of Hg)				
Start	Interior	29.92	Ambient	29.92
Stop		29.81		29.81

Special Instructions/QC Requirements & Comments: 1). Deliverable requirements: NYSDEC ASP category B data package. 4-file format EDD.

Samples Shipped by:		**Date / Time:**	**Samples Received by:**
Samples Relinquished by:	Robert Hornung, Ramboll	**Date / Time:** 1/9/25 1430	**Received by:** 1/9/25 1430
Relinquished by:		**Date / Time:** 1/9/25 1500	**Received by:**
Lab Use Only:	**Shipper Name:**	**Opened by:**	**Condition:**

Form No. CA-C-WI-003, Rev. 2.28, dated 1/8/2021

FROM:
TIM KNOLLMEYER
TESTAMERICA LAB INC
25 KRAFT AVE
ALBANY NY 12205
US

(518) 438-8140

SHIP DATE: 09JAN25
ACTWGT: 34.75 LB
CAD: 0930658/CAFE3855

BILL RECIPIENT

TO SAMPLE RECEIVING
TESTAMERICA - BURLINGTON
530 COMMUNITY DRIVE
SUITE 11
BURLINGTON VT 05403
(802) 660-1990

REF: RAMBOLL NYSDEC SILVESTRI CLEANERS AIR

(US)

FedEx Ground

1 of 2

TRK# 4188 6651 0893

MASTER

05403

9622 0422 1 (000 000 0000) 0 00 4188 6651 0893

Part # 156148-434 MTW EXP 02/25

9622 0422 1 (000 000 0000) 0 00 4188 6651 0908

Mstr# 156148-434 MTW EXP 02/25

05403

2 of 2

MPS# 4188 6651 0908

Mstr# 4188 6651 0893

FedEx Ground

REF: RAMBOLL NYSDEC SILVESTRI CLEANERS AIR

(US)

TO SAMPLE RECEIVING
TESTAMERICA – BURLINGTON
530 COMMUNITY DRIVE
SUITE 11
BURLINGTON VT 05403
(802) 660-1990

FROM:
TIM KNOLLMEYER
(518) 438-8140
TESTAMERICA LAB INC
25 KRAFT AVE
ALBANY NY 12205
US

SHIP DATE: 09JAN25
ACTWGT: 16.85 LB
CAD: 0930656/CAFE3855

BILL RECIPIENT

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-226734-1

Login Number: 226734
List Number: 1
Creator: Barritt, Julian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	NA: Lab does not accept radioactive samples
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.	N/A	No: Thermal preservation not required
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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	

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-226734-1

Login Number: 226734
List Number: 2
Creator: Barritt, Julian A

List Source: Eurofins Burlington
List Creation: 01/10/25 01:26 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	2610592, -93
Sample custody seals, if present, are 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.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Oven 1/2	180		12/17/2024	1234	22	22	SML	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	5127	Ø	Ø	Ø	30.1	GA01	12/18/24	1034	←	22.0	GA01	12/19/24	0918	←	22.0
2	3162	Ø	Ø	Ø	30.2	GA01	12/19/24	1000	←	22.0	GA01	12/29/24	1129	←	22.0
3	2734	Ø	Ø	Ø	30.1	GA01	12/18/24	1034	←	22.0	GA01	12/19/24	0918	←	22.0
4	3390		Ø	Ø		GA01					GA01				
5	4307		Ø	Ø		GA01					GA01				
6	34001546		Ø	Ø		GA01					GA01				
7	4570		Ø	Ø		GA01					GA01				
8	5082		Ø	Ø		GA01					GA01				
9	3514		1.7	1.7		GA01					GA01				
10	34000200		Ø	Ø		GA01					GA01				
11	3153		Ø	Ø		GA01					GA01				
12	5638	✓	Ø	Ø	✓	GA01	←	←	←	←	GA01	✓	✓	✓	✓

NSVF

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☑ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Reviewer
3162	12/18/24	63412	VTP		XXXXXXX				12/18/24	MB

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

Form ID: FAI023:12
Revision Date: 12/18/2018

200-76291-A-2
3162
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/17/2024 12:00 AM 200-1967970

Loc: 200
76291
#2 A
Air-Storag

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Bottom Rack	10		12/18/2024	1001	22	22	SML	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Sauge:	Date:	Time:	Tech:	Temp:
1	6308				30.4	GA01	12/19/24	1340		22.0	GA01	12/28/24	1235		22.0
2	2744		.19	.19		GA01					GA01				
3	2911				30.2	GA01	12/28/24	1305		22.0	GA01	12/29/24	1129		22.0
4	4376				30.4	GA01	12/19/24	1340		22.0	GA01	12/28/24	1235		22.0
5	5421		.22	.22		GA01					GA01				
6	5099					GA01					GA01				
7	5605					GA01					GA01				
8	6148					GA01					GA01				
9	2854		.12	.12		GA01					GA01				
10	3530		.12	.12		GA01					GA01				
11	5157					GA01					GA01				
12	2694					GA01					GA01				

NSVI

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Review
2911	12/21/24	63453	KP1		XXXXXXX				12/21/24	CC

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

200-76307-A-3
2911
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/18/2024 12:00 AM 200-1988235

Loc: 200
76307
#3 A
Air-Storag

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Oven 3/4	10		12/18/2024	1209	22	22	SML	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	4272	0	0	0	30.2	GA01	12/19/24	1136	←	22.0	GA01	12/20/24	1115	←	22.0
2	3259	0	0	0	"	GA01	"	"	"	"	GA01	"	"	"	"
3	4925	0	0	0	30.2	GA01	12/20/24	1148	←	22.0	GA01	12/19/24	1129	←	22.0
4	4020	0	0	0	30.2	GA01	12/19/24	1136	←	22.0	GA01	12/20/24	1115	←	22.0
5	4303		0	0		GA01					GA01				
6	34001294		0	0		GA01					GA01				
7	4804		0	0		GA01					GA01				
8	2908		0	0		GA01					GA01				
9	4432		0	0		GA01					GA01				
10	5038		.17	.17		GA01					GA01				
11	5103		0	0		GA01					GA01				
12	6236	←	0	0	←	GA01	←	←	←	←	GA01	←	←	←	←

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Reviewer
4925	12/20/24	63431	ABT		XXXXXX				12/20/24	DBB

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

Form ID: FAI023:12
Revision Date: 12/18/2018

200-76312-A-3
4925
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/18/2024 12:00 AM 200-1868394
Loc: 200
76312
#3 A
Air-Storag

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Oven 1/2	10		12/18/2024	1217	22	22	SML	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	3537	0	.22	.22	30.2	GA01	12/19/24	1048	—	22.0	GA01	12/20/24	1144	—	22.0
2	3151	"	0	0	"	GA01	"	"	"	"	GA01	"	"	"	"
3	4810	0	0	0	30.2	GA01	12/20/24	1113	—	22.0	GA01	12/29/24	1129	—	22.0
4	4324	0	0	0	30.2	GA01	12/19/24	1048	—	22.0	GA01	12/20/24	1044	—	22.0
5	5448		0	0		GA01					GA01				
6	3081		0	0		GA01					GA01				
7	4833		0	0		GA01					GA01				
8	3281		0	0		GA01					GA01				
9	3928		0	0		GA01					GA01				
10	4447		0	0		GA01					GA01				
11	4826		0	0		GA01					GA01				
12	5708	—	0	0	—	GA01	—	—	—	—	GA01	—	—	—	—

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Reviewe
4810	12/20/24	63431	AB1		XXXXXX				12/20/24	DB

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

Form ID: FAI023:12
Revision Date: 12/18/2018

200-76313-A-3
4810
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/18/2024 12:00 AM 200-198419
Loc: 200
76313
#3 A
Air-Storag

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Oven 1/2	10		12/20/2024	1246	22	22	SML	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	3453				30.2	GA01	12/21/24	1217		22.0	GA01	12/29/24	1105		22.0
2	5894					GA01					GA01				
3	4428					GA01					GA01				
4	5094					GA01	12/25/24	1215		22.0	GA01				
5	9210					GA01	12/21/24	1210		22.0	GA01				
6	5628					GA01					GA01				
7	4553					GA01					GA01				
8	4453					GA01					GA01				
9	2907					GA01					GA01				
10	3630					GA01					GA01				
11	2672		23	23		GA01					GA01				
12	9213					GA01					GA01				

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☐TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Review
5094	12/22/24	63479	KP		XXXXXX				12/23/24	WMD

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

200-76356-A-4
5094
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/20/2024 12:00 AM 200-1969427
Loc: 200
76356
#4 A
Air-Storag

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-76291-1

SDG No.:

Client Sample ID: 3162 Lab Sample ID: 200-76291-2

Matrix: Air Lab File ID: 63412-08.d

Analysis Method: TO-15 Date Collected: 12/17/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 12/18/2024 15:37

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 212202 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	0.040	U	0.040	0.014
100-42-5	Styrene	0.040	U	0.040	0.012
10061-01-5	1,3-Dichloropropene, cis-	0.040	U	0.040	0.0090
10061-02-6	1,3-Dichloropropene, trans-	0.040	U	0.040	0.011
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.018
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.0084
106-99-0	1,3-Butadiene	0.040	U	0.040	0.0078
107-05-1	Allyl chloride	0.10	U	0.10	0.024
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.019
108-10-1	Methyl isobutyl ketone (MIBK)	0.10	U	0.10	0.026
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.0094
108-88-3	Toluene	0.040	U	0.040	0.012
108-90-7	Chlorobenzene	0.040	U	0.040	0.0088
109-99-9	Tetrahydrofuran	1.0	U	1.0	0.26
110-54-3	Hexane	0.10	U	0.10	0.022
110-82-7	Cyclohexane	0.040	U	0.040	0.012
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.066
123-91-1	1,4-Dioxane	0.040	U	0.040	0.016
124-48-1	Dibromochloromethane	0.040	U	0.040	0.013
127-18-4	Tetrachloroethene	0.040	U	0.040	0.0042
142-82-5	n-Heptane	0.040	U	0.040	0.011
156-59-2	1,2-Dichloroethene, cis-	0.028	U	0.028	0.0042
156-60-5	1,2-Dichloroethene, trans-	0.040	U	0.040	0.0046
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.0072
179601-23-1	m,p-Xylene	0.10	U	0.10	0.019
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.0076
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.015
56-23-5	Carbon tetrachloride	0.028	U	0.028	0.0044
593-60-2	Vinyl bromide	0.040	U	0.040	0.010
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.0098
64-17-5	Ethanol	1.0	U	1.0	0.52
67-63-0	Isopropanol	1.0	U	1.0	0.32

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-76291-1

SDG No.:

Client Sample ID: 3162 Lab Sample ID: 200-76291-2

Matrix: Air Lab File ID: 63412-08.d

Analysis Method: TO-15 Date Collected: 12/17/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 12/18/2024 15:37

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 212202 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	1.0	U	1.0	0.32
67-66-3	Chloroform	0.040	U	0.040	0.0082
71-43-2	Benzene	0.040	U	0.040	0.0088
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.0088
74-83-9	Bromomethane	0.040	U	0.040	0.014
74-87-3	Chloromethane	0.10	U	0.10	0.030
75-00-3	Chloroethane	0.10	U	0.10	0.036
75-01-4	Vinyl chloride	0.028	U	0.028	0.0042
75-09-2	Methylene Chloride	0.10	U	0.10	0.036
75-15-0	Carbon disulfide	0.10	U	0.10	0.026
75-25-2	Bromoform	0.040	U	0.040	0.024
75-27-4	Bromodichloromethane	0.040	U	0.040	0.010
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.0050
75-35-4	1,1-Dichloroethene	0.028	U	0.028	0.0052
75-65-0	tert-Butyl alcohol	1.0	U	1.0	0.24
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.010
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.022
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.040	U	0.040	0.011
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.0096
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.019
78-93-3	Methyl ethyl ketone (MEK)	0.10	U	0.10	0.098
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.015
79-01-6	Trichloroethene	0.028	U	0.028	0.0050
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.0086
80-62-6	Methyl methacrylate	0.10	U	0.10	0.028
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.022
91-20-3	Naphthalene	0.10	U	0.10	0.060
95-47-6	Xylene, o-	0.040	U	0.040	0.013
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.0092
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.013
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.016
591-78-6	2-Hexanone	0.10	U	0.10	0.030

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-76291-1

SDG No.:

Client Sample ID: 3162 Lab Sample ID: 200-76291-2

Matrix: Air Lab File ID: 63412-08.d

Analysis Method: TO-15 Date Collected: 12/17/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 12/18/2024 15:37

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 212202 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
115-07-1	Propene	1.0	U	1.0	0.24
75-45-6	Chlorodifluoromethane	0.10	U	0.10	0.024
106-97-8	Butane	0.10	U	0.10	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	0.24
141-78-6	Ethyl acetate	1.0	U	1.0	0.32
98-82-8	Isopropylbenzene	0.040	U	0.040	0.0082
103-65-1	N-Propylbenzene	0.040	U	0.040	0.0094
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.0094
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.0090
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.012
100-44-7	Benzyl chloride	0.040	U	0.040	0.018
104-51-8	n-Butylbenzene	0.040	U	0.040	0.022

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20241218-63412.b\63412-08.d
Lims ID: 200-76291-A-2
Client ID: 3162
Sample Type: Client
Inject. Date: 18-Dec-2024 15:37:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0063412-008
Operator ID: vtp Instrument ID: CHW.i

Method: \\chromfs\Burlington\ChromData\CHW.i\20241218-63412.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 18-Dec-2024 14:18:59 Calib Date: 04-Dec-2024 09:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20241203-63216.b\63216-20.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1613

First Level Reviewer: BKZ7 Date: 18-Dec-2024 16:23:45

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1	Propene	41		4.072				ND	
2	Dichlorodifluoromethane	85		4.168				ND	
3	Chlorodifluoromethane	51		4.206				ND	
4	1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.511				ND	
5	Chloromethane	50		4.623				ND	
6	Vinyl chloride	62		4.917				ND	
7	Butane	43		4.917				ND	
8	Butadiene	54		5.030				ND	
9	Bromomethane	94		5.773				ND	
10	Chloroethane	64		6.068				ND	
13	Vinyl bromide	106		6.544				ND	
14	Trichlorofluoromethane	101		6.726				ND	
16	Ethanol	45		7.170				ND	
20	1,1-Dichloroethene	96		7.967				ND	
21	1,1,2-Trichloro-1,2,2-trifluoroe	101		8.010				ND	
22	Acetone	43		8.052				ND	
23	Isopropyl alcohol	45		8.411				ND	
24	Carbon disulfide	76		8.454				ND	7
26	3-Chloro-1-propene	41		8.796				ND	
27	Methylene Chloride	49		9.074				ND	7
28	2-Methyl-2-propanol	59		9.326				ND	
30	trans-1,2-Dichloroethene	61		9.684				ND	
31	Methyl tert-butyl ether	73		9.684				ND	
32	Hexane	57		10.289				ND	
33	1,1-Dichloroethane	63		10.583				ND	
34	Vinyl acetate	43		10.588				ND	
36	2-Butanone (MEK)	72		11.679				ND	
37	cis-1,2-Dichloroethene	96		11.717				ND	
38	Ethyl acetate	88		11.781				ND	
* 39	Chlorobromomethane	128	12.182	12.182	0.000	90	64370	10.0	
40	Tetrahydrofuran	42		12.236				ND	
41	Chloroform	83		12.375				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 1,1,1-Trichloroethane	97		12.717				ND	
43 Cyclohexane	84		12.883				ND	
44 Carbon tetrachloride	117		13.033				ND	
45 Benzene	78		13.407				ND	
46 1,2-Dichloroethane	62		13.482				ND	
47 Isooctane	57		13.637				ND	
48 n-Heptane	43		13.964				ND	
* 49 1,4-Difluorobenzene	114	14.194	14.188	0.006	94	327877	10.0	
51 Trichloroethene	95		14.659				ND	
53 1,2-Dichloropropane	63		15.141				ND	
54 Methyl methacrylate	69		15.216				ND	
55 1,4-Dioxane	88		15.274				ND	
58 Dichlorobromomethane	83		15.628				ND	
59 cis-1,3-Dichloropropene	75		16.467				ND	
61 4-Methyl-2-pentanone (MIBK)	43		16.719				ND	
62 Toluene	92		17.141				ND	
66 trans-1,3-Dichloropropene	75		17.553				ND	
67 1,1,2-Trichloroethane	83		17.949				ND	
68 Tetrachloroethene	166		18.174				ND	
69 2-Hexanone	43		18.340				ND	
70 Chlorodibromomethane	129		18.720				ND	
71 Ethylene Dibromide	107		18.976				ND	
* 73 Chlorobenzene-d5	117	19.907	19.902	0.005	85	286572	10.0	
74 Chlorobenzene	112		19.966				ND	
75 Ethylbenzene	91		20.148				ND	7
76 m-Xylene & p-Xylene	106		20.399				ND	
78 o-Xylene	106		21.111				ND	
79 Styrene	104		21.143				ND	
81 Bromoform	173		21.464				ND	
82 Isopropylbenzene	105		21.726				ND	
83 1,1,2,2-Tetrachloroethane	83		22.192				ND	
85 N-Propylbenzene	91		22.390				ND	
86 2-Chlorotoluene	91		22.539				ND	
87 4-Ethyltoluene	105		22.571				ND	
88 1,3,5-Trimethylbenzene	105		22.652				ND	
91 tert-Butylbenzene	119		23.117				ND	
92 1,2,4-Trimethylbenzene	105		23.197				ND	
93 sec-Butylbenzene	105		23.433				ND	
94 1,3-Dichlorobenzene	146		23.625				ND	
95 4-Isopropyltoluene	119		23.647				ND	
96 1,4-Dichlorobenzene	146		23.775				ND	
97 Benzyl chloride	91		23.925				ND	
98 n-Butylbenzene	91		24.251				ND	
99 1,2-Dichlorobenzene	146		24.310				ND	
102 1,2,4-Trichlorobenzene	180		27.028				ND	
103 Hexachlorobutadiene	225		27.295				ND	
104 Naphthalene	128		27.579				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

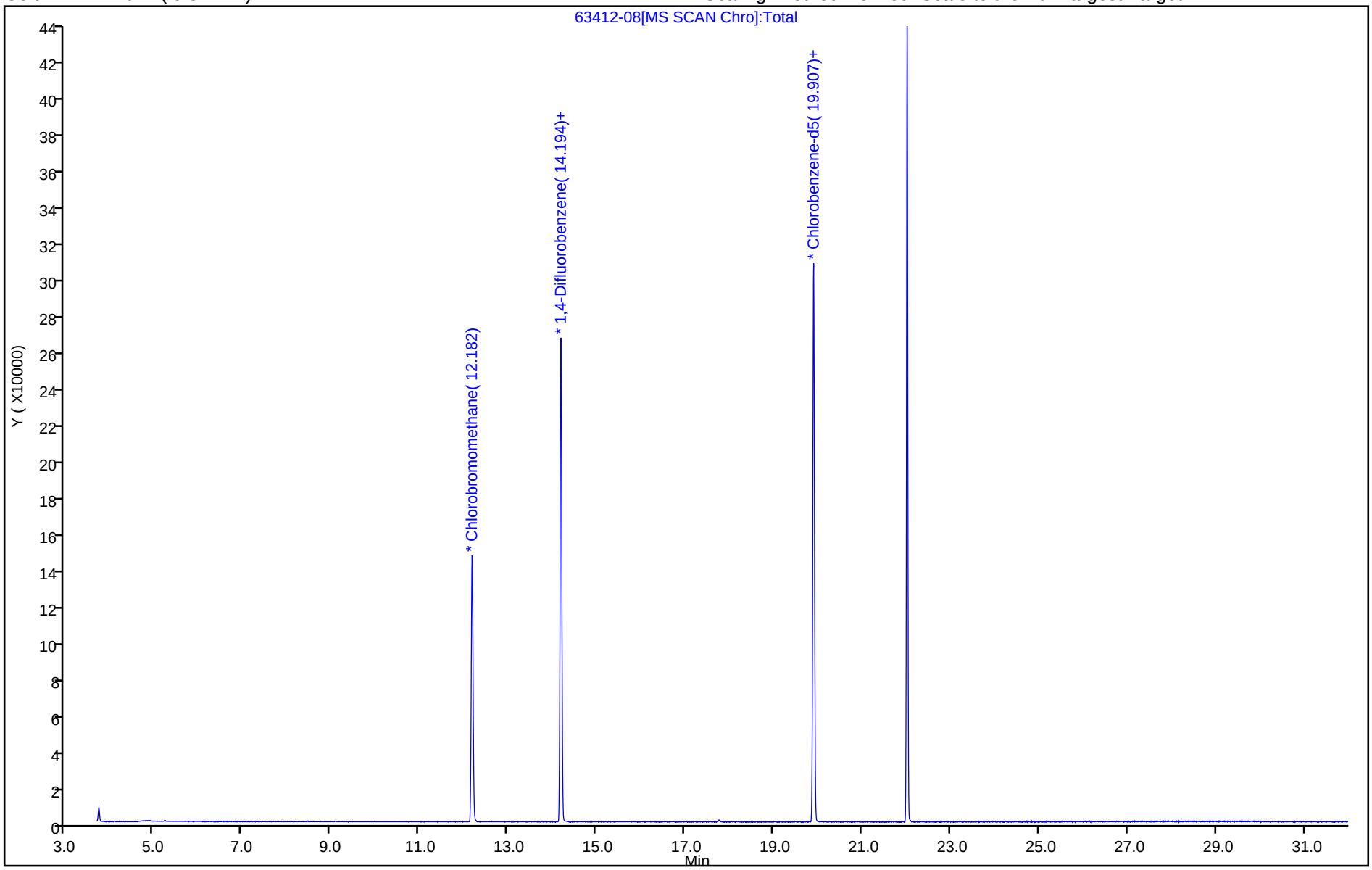
ATTO15WISs_00010 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 18-Dec-2024 16:23:45 Chrom Revision: 2.3 12-Nov-2024 16:55:22

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20241218-63412.b\63412-08.d				
Injection Date:	18-Dec-2024 15:37:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	200-76291-A-2	Lab Sample ID:	200-76291-2	Worklist Smp#:	8
Client ID:	3162				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	7
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Lab Name: Eurofins Burlington

SDG No.:

Client Sample ID: 2911

Matrix: Air

Analysis Method: TO-15

Sample wt/vol: 1000(mL)

Soil Aliquot Vol:

Soil Extract Vol.:

Purge Volume:

% Moisture: % Solids:

Analysis Batch No.: 212301

Preparation Batch No.:

CAS NO.	COMPOUND NAME
100-41-4	Ethylbenzene
100-42-5	Styrene
10061-01-5	1,3-Dichloropropene, cis-
10061-02-6	1,3-Dichloropropene, trans
106-46-7	1,4-Dichlorobenzene
106-93-4	1,2-Dibromoethane
106-99-0	1,3-Butadiene
107-05-1	Allyl chloride
107-06-2	1,2-Dichloroethane
108-10-1	Methyl isobutyl ketone (M
108-67-8	1,3,5-Trimethylbenzene
108-88-3	Toluene
108-90-7	Chlorobenzene
109-99-9	Tetrahydrofuran
110-54-3	Hexane
110-82-7	Cyclohexane
120-82-1	1,2,4-Trichlorobenzene
123-91-1	1,4-Dioxane
124-48-1	Dibromochloromethane
127-18-4	Tetrachloroethene
142-82-5	n-Heptane
156-59-2	1,2-Dichloroethene, cis-
156-60-5	1,2-Dichloroethene, trans
1634-04-4	Methyl tert-butyl ether
179601-23-1	m,p-Xylene
540-84-1	2,2,4-Trimethylpentane
541-73-1	1,3-Dichlorobenzene
56-23-5	Carbon tetrachloride
593-60-2	Vinyl bromide
622-96-8	4-Ethyltoluene
64-17-5	Ethanol
67-63-0	Isopropanol

FORM I TO-15

Lab Name: Eurofins Burlington

SDG No.:

Client Sample ID: 2911

Matrix: Air

Analysis Method: TO-15

Sample wt/vol: 1000(mL)

Soil Aliquot Vol:

Soil Extract Vol.:

Purge Volume:

% Moisture: % Solids:

Analysis Batch No.: 212301

Preparation Batch No.:

CAS NO.	COMPOUND NAME
67-64-1	Acetone
67-66-3	Chloroform
71-43-2	Benzene
71-55-6	1,1,1-Trichloroethane
74-83-9	Bromomethane
74-87-3	Chloromethane
75-00-3	Chloroethane
75-01-4	Vinyl chloride
75-09-2	Methylene Chloride
75-15-0	Carbon disulfide
75-25-2	Bromoform
75-27-4	Bromodichloromethane
75-34-3	1,1-Dichloroethane
75-35-4	1,1-Dichloroethene
75-65-0	tert-Butyl alcohol
75-69-4	Trichlorofluoromethane
75-71-8	Dichlorodifluoromethane
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane
76-14-2	1,2-Dichlorotetrafluoroethane
78-87-5	1,2-Dichloropropane
78-93-3	Methyl ethyl ketone (MEK)
79-00-5	1,1,2-Trichloroethane
79-01-6	Trichloroethene
79-34-5	1,1,2,2-Tetrachloroethane
80-62-6	Methyl methacrylate
87-68-3	Hexachlorobutadiene
91-20-3	Naphthalene
95-47-6	Xylene, o-
95-49-8	2-Chlorotoluene
95-50-1	1,2-Dichlorobenzene
95-63-6	1,2,4-Trimethylbenzene
591-78-6	2-Hexanone

FORM I TO-15

Lab Name: Eurofins Burlington

SDG No.:

Client Sample ID: 2911

Matrix: Air

Analysis Method: TO-15

Sample wt/vol: 1000(mL)

Soil Aliquot Vol:

Soil Extract Vol.:

Purge Volume:

% Moisture: % Solids:

Analysis Batch No.: 212301

Preparation Batch No.:

CAS NO.	COMPOUND NAME
115-07-1	Propene
75-45-6	Chlorodifluoromethane
106-97-8	Butane
108-05-4	Vinyl acetate
141-78-6	Ethyl acetate
98-82-8	Isopropylbenzene
103-65-1	N-Propylbenzene
98-06-6	tert-Butylbenzene
135-98-8	sec-Butylbenzene
99-87-6	4-Isopropyltoluene
100-44-7	Benzyl chloride
104-51-8	n-Butylbenzene

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAN.i\20241220-63453.b\63453_008.D
Lims ID: 200-76307-A-3
Client ID: 2911
Sample Type: Client
Inject. Date: 20-Dec-2024 13:27:11 ALS Bottle#: 5 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0063453-008
Operator ID: wrd Instrument ID: CHAN.i

Method: \\chromfs\Burlington\ChromData\CHAN.i\20241220-63453.b\TO15_TO3_Master_Method_AN.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Dec-2024 08:27:09 Calib Date: 19-Dec-2024 02:02:33
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAN.i\20241218-63422.b\63422_015.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: F7XK Date: 23-Dec-2024 08:27:09

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1	Propene	41		4.353				ND	7
2	Dichlorodifluoromethane	85		4.449				ND	
3	Chlorodifluoromethane	51		4.492				ND	7
4	1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.813				ND	
5	Chloromethane	50		4.931				ND	7
6	Vinyl chloride	62		5.225				ND	
7	Butane	43		5.230				ND	7
8	Butadiene	54		5.343				ND	
9	Bromomethane	94		6.065				ND	
10	Chloroethane	64		6.332				ND	
13	Vinyl bromide	106		6.755				ND	
14	Trichlorofluoromethane	101		6.921				ND	
16	Ethanol	45		7.274				ND	
20	1,1-Dichloroethene	96		7.975				ND	MU
21	1,1,2-Trichloro-1,2,2-trifluoroe	101		8.018				ND	
22	Acetone	43		8.039				ND	7
23	Isopropyl alcohol	45		8.328				ND	7
24	Carbon disulfide	76		8.376				ND	7
26	3-Chloro-1-propene	41		8.660				ND	7
27	Methylene Chloride	49		8.890				ND	7
28	2-Methyl-2-propanol	59		9.093				ND	
30	trans-1,2-Dichloroethene	61		9.392				ND	7
31	Methyl tert-butyl ether	73		9.398				ND	7
32	Hexane	57		9.911				ND	
33	1,1-Dichloroethane	63		10.152				ND	
34	Vinyl acetate	43		10.158				ND	7
36	2-Butanone (MEK)	72		11.110				ND	
37	cis-1,2-Dichloroethene	96		11.142				ND	7
38	Ethyl acetate	88		11.195				ND	
* 39	Chlorobromomethane	128	11.548	11.548	0.000	94	410490	10.0	
40	Tetrahydrofuran	42		11.597				ND	7
41	Chloroform	83		11.725				ND	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	42 1,1,1-Trichloroethane	97		12.041				ND	7
	43 Cyclohexane	84		12.190				ND	
	44 Carbon tetrachloride	117		12.324				ND	
	45 Benzene	78		12.667				ND	7
	46 1,2-Dichloroethane	62		12.725				ND	
	47 Isooctane	57		12.891				ND	
	48 n-Heptane	43		13.196				ND	7
*	49 1,4-Difluorobenzene	114	13.389	13.394	-0.005	97	2088743	10.0	
	51 Trichloroethene	95		13.827				ND	
	53 1,2-Dichloropropane	63		14.277				ND	
	54 Methyl methacrylate	69		14.362				ND	
	55 1,4-Dioxane	88		14.405				ND	
	58 Dichlorobromomethane	83		14.737				ND	
	59 cis-1,3-Dichloropropene	75		15.545				ND	
	61 4-Methyl-2-pentanone (MIBK)	43		15.802				ND	7
	62 Toluene	92	16.203	16.203	0.011	1	616	0.005085	7M
	66 trans-1,3-Dichloropropene	75		16.593				ND	7
	67 1,1,2-Trichloroethane	83		16.968				ND	
	68 Tetrachloroethene	166		17.187				ND	
	69 2-Hexanone	43		17.374				ND	7
	70 Chlorodibromomethane	129		17.706				ND	
	71 Ethylene Dibromide	107		17.947				ND	7
*	73 Chlorobenzene-d5	117	18.862	18.862	0.000	92	1701590	10.0	
	74 Chlorobenzene	112		18.920				ND	7
	75 Ethylbenzene	91		19.118				ND	7
	76 m-Xylene & p-Xylene	106		19.375				ND	
	78 o-Xylene	106		20.151				ND	
	79 Styrene	104	20.194	20.194	0.016	93	2033	0.0133	
	81 Bromoform	173		20.515				ND	
	82 Isopropylbenzene	105		20.841				ND	7
	83 1,1,2,2-Tetrachloroethane	83		21.339				ND	7
	85 N-Propylbenzene	91		21.547				ND	7
	86 2-Chlorotoluene	91		21.692				ND	7
	87 4-Ethyltoluene	105		21.745				ND	7
	88 1,3,5-Trimethylbenzene	105		21.836				ND	7
	91 tert-Butylbenzene	119		22.318				ND	7
	92 1,2,4-Trimethylbenzene	105		22.403				ND	MU
	93 sec-Butylbenzene	105		22.639				ND	7
	94 1,3-Dichlorobenzene	146		22.810				ND	7
	95 4-Isopropyltoluene	119		22.853				ND	7
	96 1,4-Dichlorobenzene	146	22.954	22.949	0.005	87	1824	0.0129	
	97 Benzyl chloride	91		23.093				ND	7
	98 n-Butylbenzene	91		23.409				ND	7
	99 1,2-Dichlorobenzene	146	23.446	23.441	0.005	0	1273	0.009119	
	102 1,2,4-Trichlorobenzene	180		25.886				ND	
	103 Hexachlorobutadiene	225		26.143				ND	7
	104 Naphthalene	128		26.362				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

Reagents:

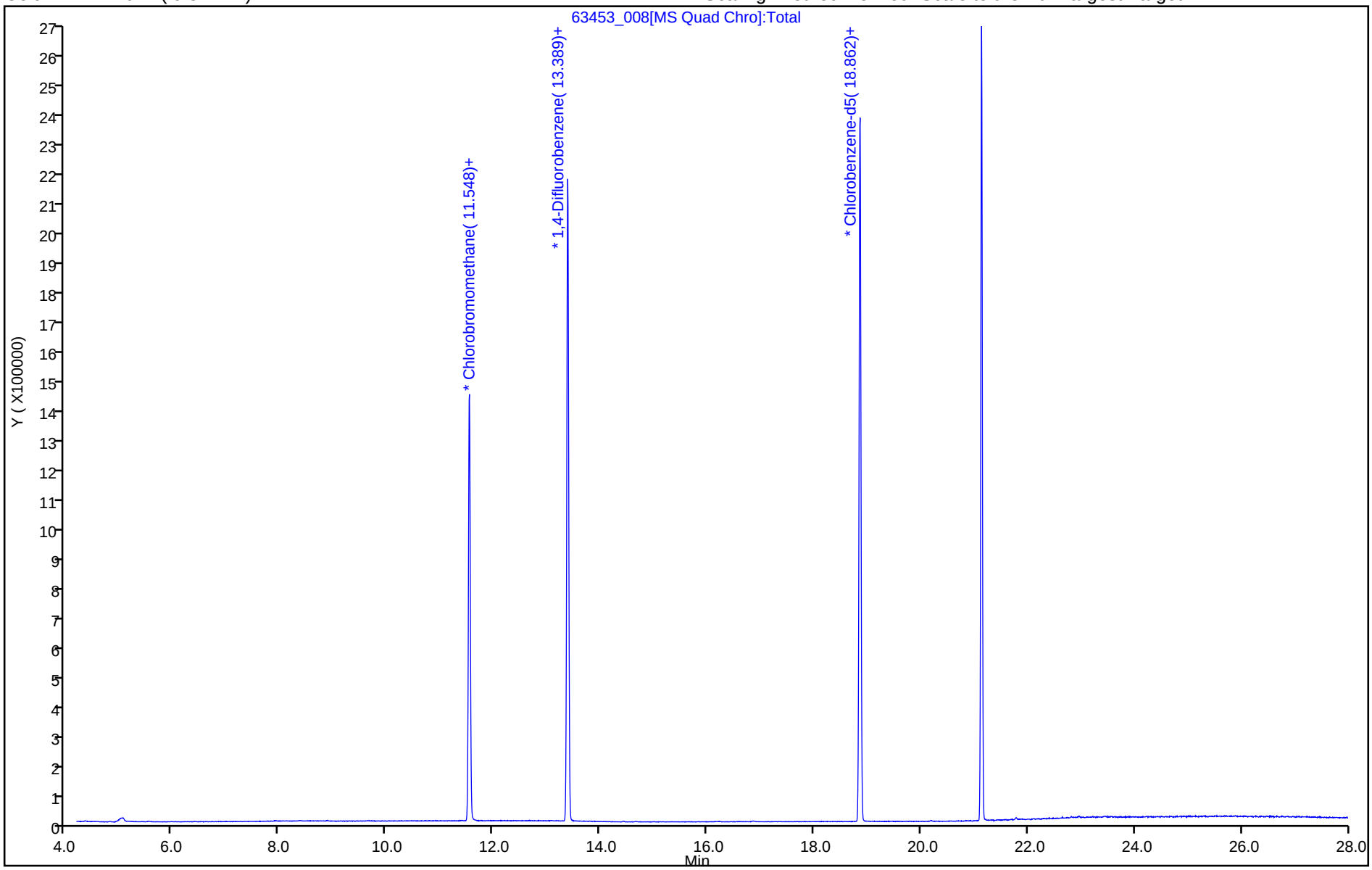
ATTO15CISs_00012 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 23-Dec-2024 08:27:09 Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241220-63453.b\63453_008.D				
Injection Date:	20-Dec-2024 13:27:11	Instrument ID:	CHAN.i	Operator ID:	wrd
Lims ID:	200-76307-A-3	Lab Sample ID:	200-76307-3	Worklist Smp#:	8
Client ID:	2911				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	5
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Burlington

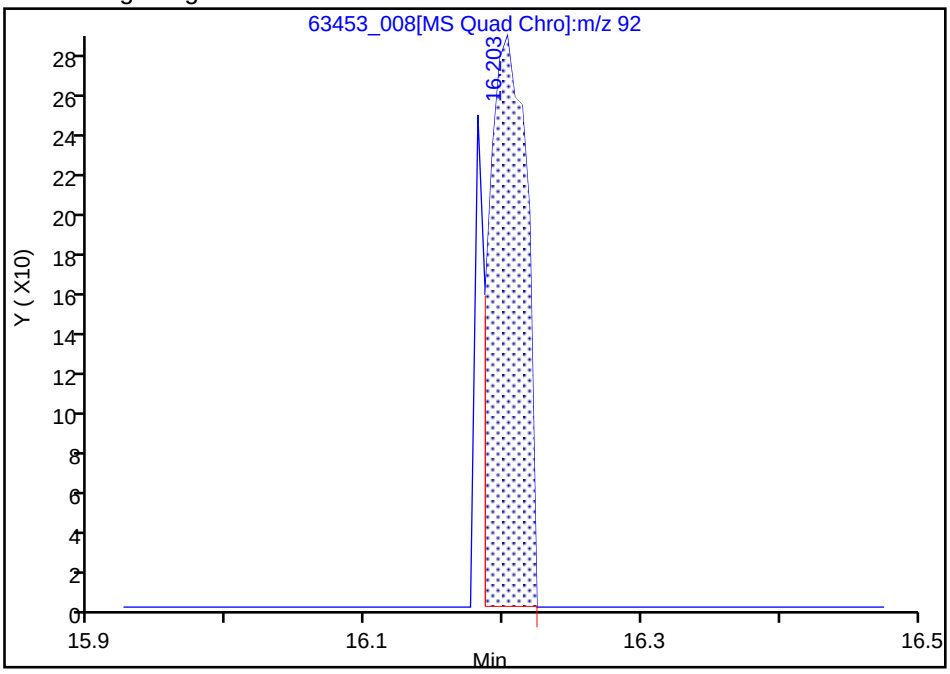
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241220-63453.b\63453_008.D				
Injection Date:	20-Dec-2024 13:27:11	Instrument ID:	CHAN.i		
Lims ID:	200-76307-A-3	Lab Sample ID:	200-76307-3		
Client ID:	2911				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

62 Toluene, CAS: 108-88-3

Signal: 1

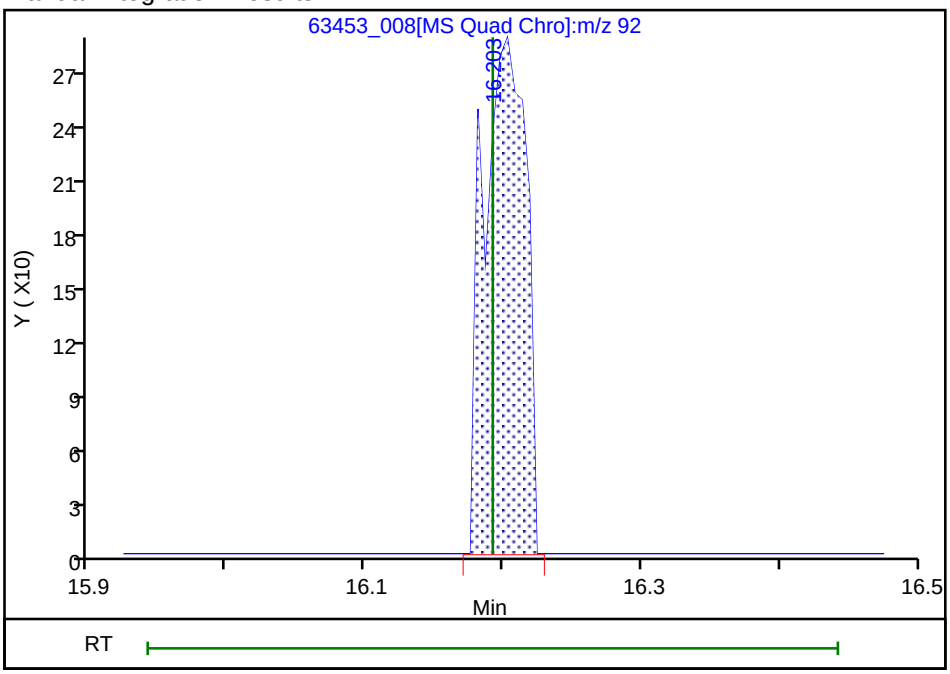
Processing Integration Results

RT: 16.20
Area: 536
Amount: 0.004425
Amount Units: ppb v/v



Manual Integration Results

RT: 16.20
Area: 616
Amount: 0.005085
Amount Units: ppb v/v



Reviewer: F7XK, 23-Dec-2024 08:25:13 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

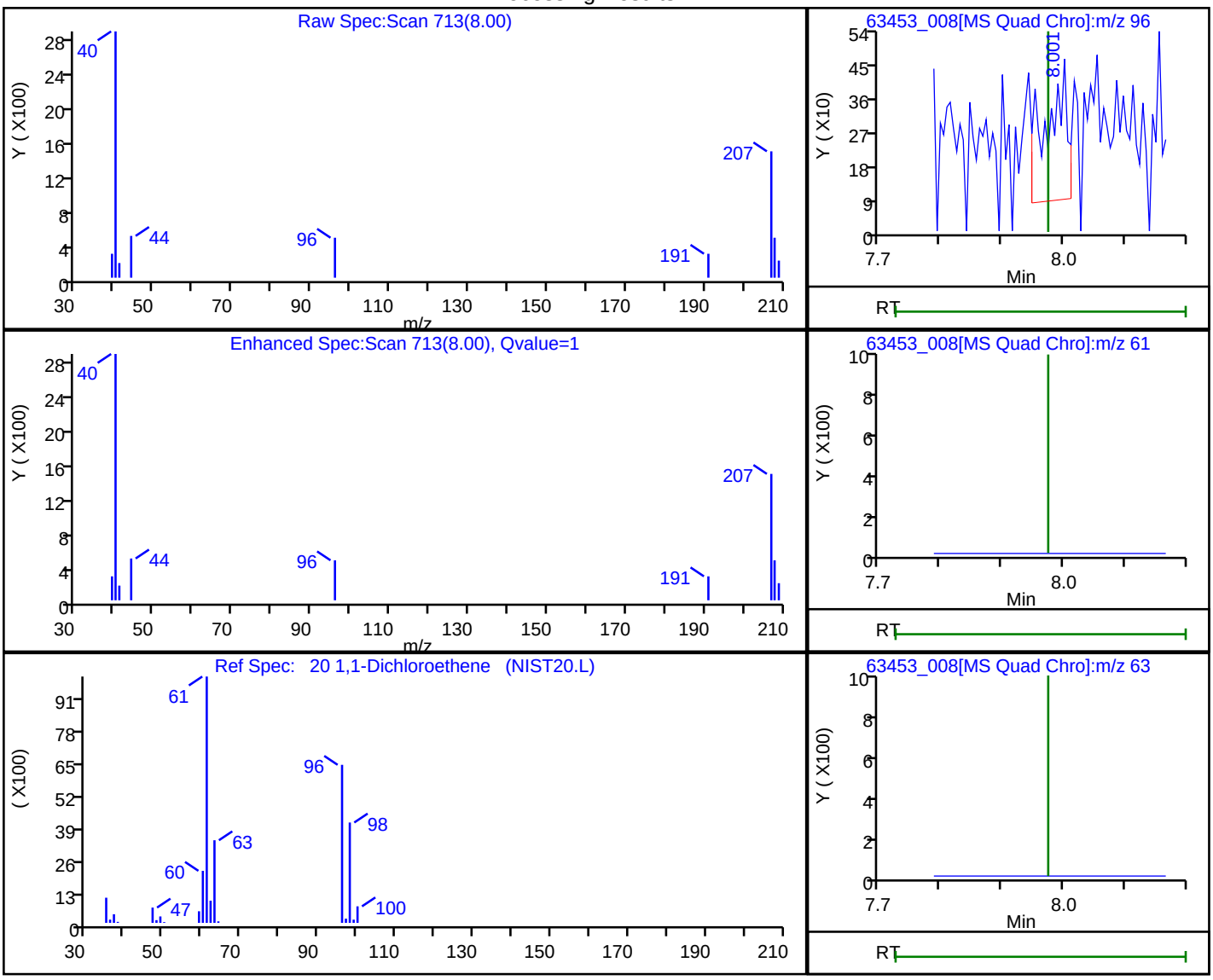
User Disabled Compound Report

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241220-63453.b\63453_008.D				
Injection Date:	20-Dec-2024 13:27:11	Instrument ID:	CHAN.i		
Lims ID:	200-76307-A-3	Lab Sample ID:	200-76307-3		
Client ID:	2911				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

20 1,1-Dichloroethene, CAS: 75-35-4

Processing Results



RT	Mass	Response	Amount
8.00	96.00	884	0.015423
7.97	61.00	0	
7.97	63.00	0	

Reviewer: F7XK, 23-Dec-2024 08:24:09 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

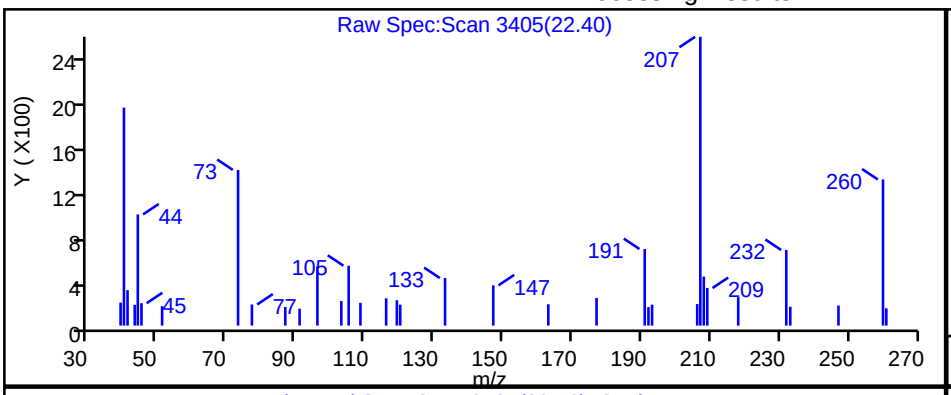
User Disabled Compound Report

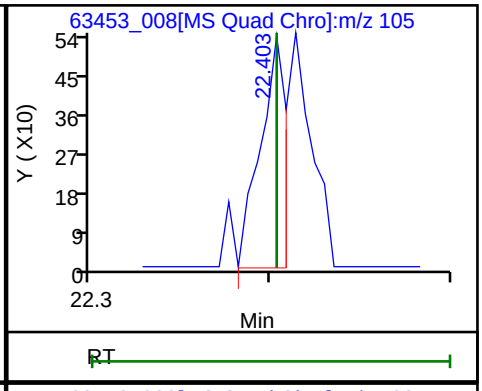
Eurofins Burlington

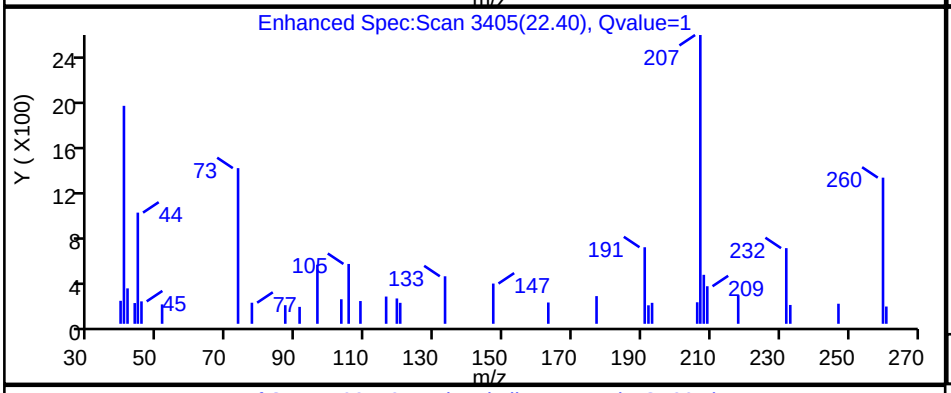
Data File:	\\chromfs\Burlington\ChromData\CHAN.i\20241220-63453.b\63453_008.D				
Injection Date:	20-Dec-2024 13:27:11	Instrument ID:	CHAN.i		
Lims ID:	200-76307-A-3	Lab Sample ID:	200-76307-3		
Client ID:	2911				
Operator ID:	wrd	ALS Bottle#:	5	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_TO3_Master_Method_AN	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

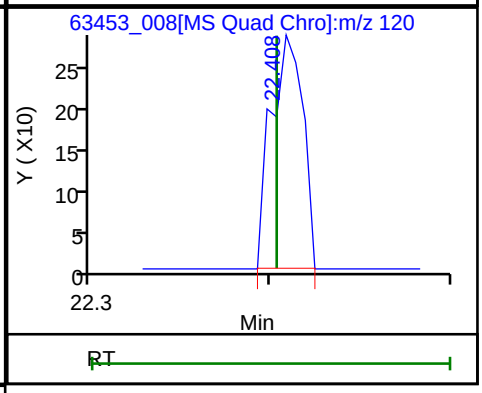
92 1,2,4-Trimethylbenzene, CAS: 95-63-6

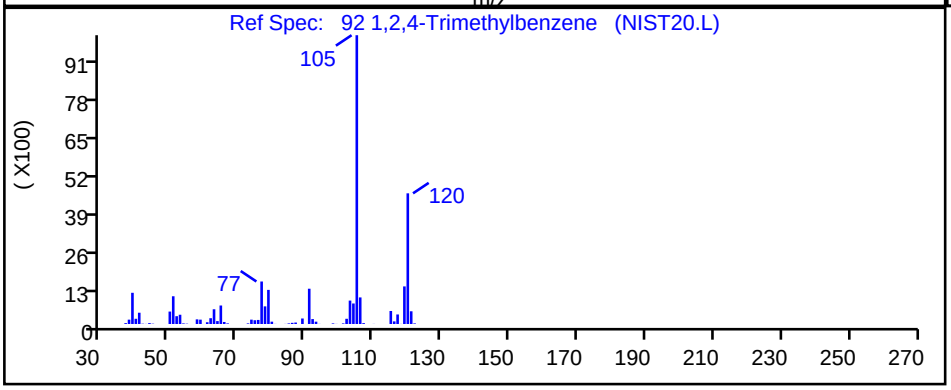
Processing Results











RT	Mass	Response	Amount
22.40	105.00	531	0.002275
22.41	120.00	356	

Reviewer: F7XK, 23-Dec-2024 08:26:36 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Lab Name: Eurofins Burlington

SDG No.:

Client Sample ID: 4925

Matrix: Air

Analysis Method: TO-15

Sample wt/vol: 1000(mL)

Soil Aliquot Vol:

Soil Extract Vol.:

Purge Volume:

% Moisture: % Solids:

Analysis Batch No.: 212246

Preparation Batch No.:

CAS NO.	COMPOUND NAME
115-07-1	Propylene
75-71-8	Dichlorodifluoromethane
75-45-6	Freon 22
76-14-2	1,2-Dichlorotetrafluoroet
74-87-3	Chloromethane
106-97-8	n-Butane
75-01-4	Vinyl chloride
106-99-0	1,3-Butadiene
74-83-9	Bromomethane
75-00-3	Chloroethane
593-60-2	Bromoethene(Vinyl Bromide
75-69-4	Trichlorofluoromethane
64-17-5	Ethanol
76-13-1	Freon TF
75-35-4	1,1-Dichloroethene
67-64-1	Acetone
67-63-0	Isopropyl alcohol
75-15-0	Carbon disulfide
107-05-1	3-Chloropropene
75-09-2	Methylene Chloride
75-65-0	tert-Butyl alcohol
1634-04-4	Methyl tert-butyl ether
156-60-5	trans-1,2-Dichloroethene
110-54-3	n-Hexane
75-34-3	1,1-Dichloroethane
108-05-4	Vinyl acetate
141-78-6	Ethyl acetate
78-93-3	Methyl Ethyl Ketone
156-59-2	cis-1,2-Dichloroethene
540-59-0	1,2-Dichloroethene, Total
67-66-3	Chloroform
109-99-9	Tetrahydrofuran

FORM I TO-15

Lab Name: Eurofins Burlington

SDG No.:

Client Sample ID: 4925

Matrix: Air

Analysis Method: TO-15

Sample wt/vol: 1000(mL)

Soil Aliquot Vol:

Soil Extract Vol.:

Purge Volume:

% Moisture: % Solids:

Analysis Batch No.: 212246

Preparation Batch No.:

CAS NO.	COMPOUND NAME
71-55-6	1,1,1-Trichloroethane
110-82-7	Cyclohexane
56-23-5	Carbon tetrachloride
540-84-1	2,2,4-Trimethylpentane
71-43-2	Benzene
107-06-2	1,2-Dichloroethane
142-82-5	n-Heptane
79-01-6	Trichloroethene
80-62-6	Methyl methacrylate
78-87-5	1,2-Dichloropropane
123-91-1	1,4-Dioxane
75-27-4	Bromodichloromethane
10061-01-5	cis-1,3-Dichloropropene
108-10-1	methyl isobutyl ketone
108-88-3	Toluene
10061-02-6	trans-1,3-Dichloropropene
79-00-5	1,1,2-Trichloroethane
127-18-4	Tetrachloroethene
591-78-6	Methyl Butyl Ketone (2-He
124-48-1	Dibromochloromethane
106-93-4	1,2-Dibromoethane
108-90-7	Chlorobenzene
100-41-4	Ethylbenzene
179601-23-1	m,p-Xylene
95-47-6	Xylene, o-
1330-20-7	Xylene (total)
100-42-5	Styrene
75-25-2	Bromoform
98-82-8	Cumene
79-34-5	1,1,2,2-Tetrachloroethane
103-65-1	n-Propylbenzene
622-96-8	4-Ethyltoluene

FORM I TO-15

Lab Name: Eurofins Burlington

SDG No.:

Client Sample ID: 4925

Matrix: Air

Analysis Method: TO-15

Sample wt/vol: 1000(mL)

Soil Aliquot Vol:

Soil Extract Vol.:

Purge Volume:

% Moisture: % Solids:

Analysis Batch No.: 212246

Preparation Batch No.:

CAS NO.	COMPOUND NAM
108-67-8	1,3,5-Trimethylbenzene
95-49-8	2-Chlorotoluene
98-06-6	tert-Butylbenzene
95-63-6	1,2,4-Trimethylbenzene
135-98-8	sec-Butylbenzene
99-87-6	4-Isopropyltoluene
541-73-1	1,3-Dichlorobenzene
106-46-7	1,4-Dichlorobenzene
100-44-7	Benzyl chloride
104-51-8	n-Butylbenzene
95-50-1	1,2-Dichlorobenzene
120-82-1	1,2,4-Trichlorobenzene
87-68-3	Hexachlorobutadiene
91-20-3	Naphthalene

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20241219-63431.b\63431-25.d
Lims ID: 200-76312-A-3
Client ID: 4925
Sample Type: Client
Inject. Date: 20-Dec-2024 04:27:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0063431-025
Operator ID: vtp Instrument ID: CHW.i

Method: \\chromfs\Burlington\ChromData\CHW.i\20241219-63431.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 20-Dec-2024 04:15:04 Calib Date: 04-Dec-2024 09:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20241203-63216.b\63216-20.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: BKZ7 Date: 20-Dec-2024 09:40:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		4.077				ND	
2 Dichlorodifluoromethane	85		4.174				ND	
3 Chlorodifluoromethane	51		4.211				ND	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.511				ND	
5 Chloromethane	50		4.628				ND	
6 Vinyl chloride	62		4.917				ND	
7 Butane	43		4.923				ND	
8 Butadiene	54		5.035				ND	
9 Bromomethane	94		5.773				ND	
10 Chloroethane	64		6.073				ND	
13 Vinyl bromide	106		6.544				ND	
14 Trichlorofluoromethane	101		6.731				ND	
16 Ethanol	45		7.175				ND	
20 1,1-Dichloroethene	96		7.967				ND	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.015				ND	
22 Acetone	43		8.052				ND	
23 Isopropyl alcohol	45		8.411				ND	
24 Carbon disulfide	76		8.459				ND	7
26 3-Chloro-1-propene	41		8.801				ND	
27 Methylene Chloride	49		9.079				ND	7
28 2-Methyl-2-propanol	59		9.325				ND	
30 trans-1,2-Dichloroethene	61		9.684				ND	
31 Methyl tert-butyl ether	73		9.689				ND	
S 35 1,2-Dichloroethene, Total	61		10.200				ND	7
32 Hexane	57		10.288				ND	
33 1,1-Dichloroethane	63		10.583				ND	
34 Vinyl acetate	43		10.593				ND	
36 2-Butanone (MEK)	72		11.679				ND	
37 cis-1,2-Dichloroethene	96		11.722				ND	
38 Ethyl acetate	88		11.781				ND	
* 39 Chlorobromomethane	128	12.182	12.182	0.000	90	67903	10.0	
40 Tetrahydrofuran	42		12.236				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Chloroform	83		12.375				ND	
42 1,1,1-Trichloroethane	97		12.723				ND	
43 Cyclohexane	84		12.883				ND	
44 Carbon tetrachloride	117		13.038				ND	
45 Benzene	78		13.407				ND	
46 1,2-Dichloroethane	62		13.482				ND	
47 Isooctane	57		13.637				ND	
48 n-Heptane	43		13.964				ND	
* 49 1,4-Difluorobenzene	114	14.194	14.194	0.000	94	343093	10.0	
51 Trichloroethene	95		14.665				ND	
53 1,2-Dichloropropane	63		15.141				ND	
54 Methyl methacrylate	69		15.216				ND	
55 1,4-Dioxane	88		15.274				ND	
57 Dibromomethane	174		15.312				ND	
58 Dichlorobromomethane	83		15.633				ND	
59 cis-1,3-Dichloropropene	75		16.473				ND	
61 4-Methyl-2-pentanone (MIBK)	43		16.719				ND	
62 Toluene	92		17.147				ND	
66 trans-1,3-Dichloropropene	75		17.553				ND	
67 1,1,2-Trichloroethane	83		17.949				ND	
68 Tetrachloroethene	166		18.179				ND	
69 2-Hexanone	43		18.345				ND	
70 Chlorodibromomethane	129		18.720				ND	
71 Ethylene Dibromide	107		18.982				ND	
* 73 Chlorobenzene-d5	117	19.907	19.907	0.000	86	299052	10.0	
74 Chlorobenzene	112		19.966				ND	
S 80 Xylenes, Total	106		20.100				ND	7
75 Ethylbenzene	91		20.148				ND	7
76 m-Xylene & p-Xylene	106		20.405				ND	
78 o-Xylene	106		21.111				ND	
79 Styrene	104		21.143				ND	
81 Bromoform	173		21.464				ND	
82 Isopropylbenzene	105		21.731				ND	
83 1,1,2,2-Tetrachloroethane	83		22.192				ND	
85 N-Propylbenzene	91		22.389				ND	
86 2-Chlorotoluene	91		22.539				ND	
87 4-Ethyltoluene	105		22.571				ND	
88 1,3,5-Trimethylbenzene	105		22.652				ND	
91 tert-Butylbenzene	119		23.117				ND	
92 1,2,4-Trimethylbenzene	105		23.197				ND	
93 sec-Butylbenzene	105		23.438				ND	
94 1,3-Dichlorobenzene	146		23.631				ND	
95 4-Isopropyltoluene	119		23.647				ND	
96 1,4-Dichlorobenzene	146		23.775				ND	
97 Benzyl chloride	91		23.925				ND	
98 n-Butylbenzene	91		24.251				ND	
99 1,2-Dichlorobenzene	146		24.310				ND	
102 1,2,4-Trichlorobenzene	180		27.028				ND	
103 Hexachlorobutadiene	225		27.295				ND	
104 Naphthalene	128		27.579				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15WISs_00010 Amount Added: 20.00 Units: mL Run Reagent

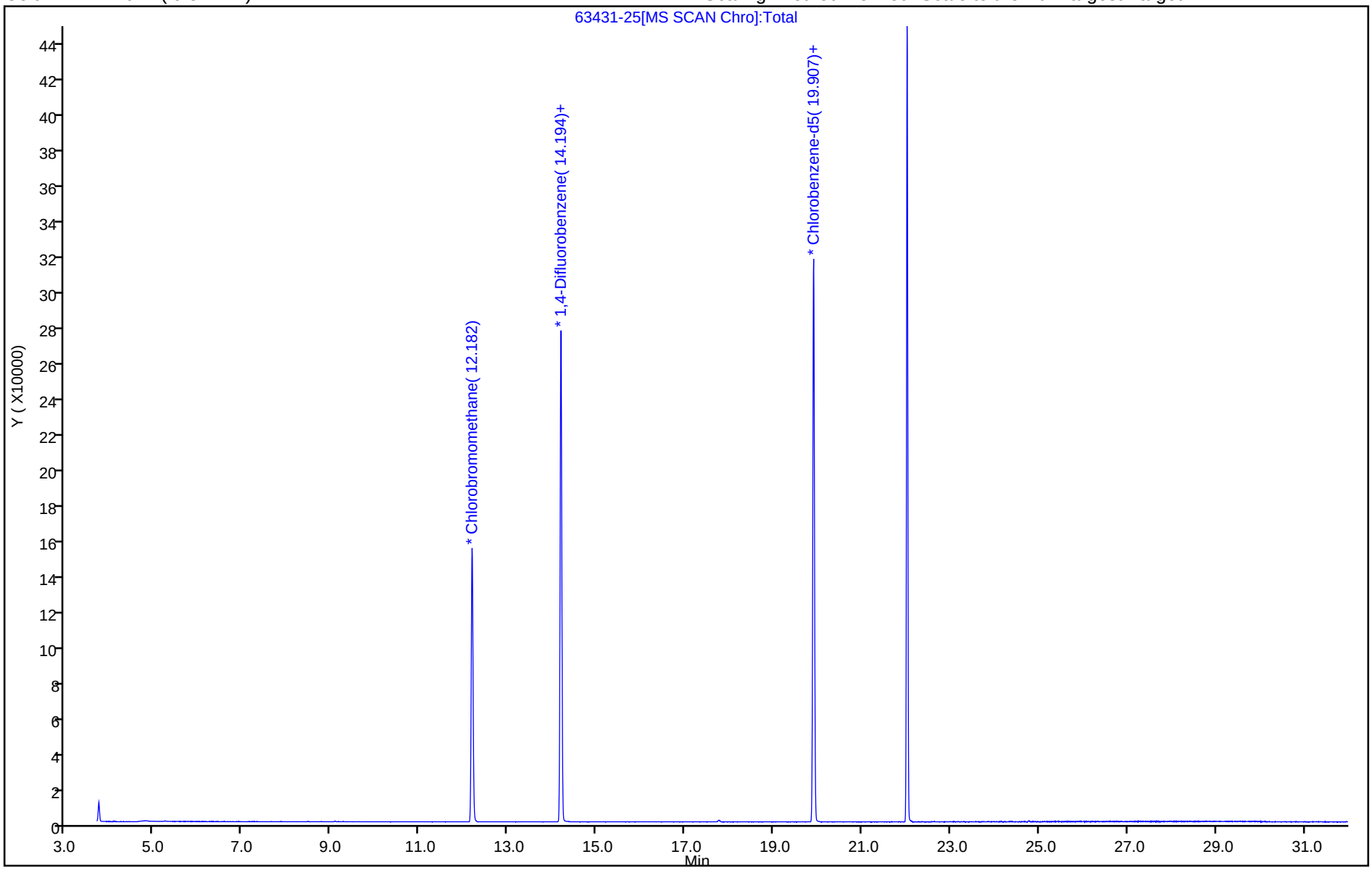
Report Date: 20-Dec-2024 09:40:42 Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHW.i\20241219-63431.b\63431-25.d

Injection Date:	20-Dec-2024 04:27:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	200-76312-A-3	Lab Sample ID:	200-76312-3	Worklist Smp#:	25
Client ID:	4925				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	24
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-76313-1

SDG No.:

Client Sample ID: 4810 Lab Sample ID: 200-76313-3

Matrix: Air Lab File ID: 63431-26.d

Analysis Method: TO-15 Date Collected: 12/18/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 12/20/2024 05:32

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 212246 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.028	U	0.028	0.028
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.028	U	0.028	0.028
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.10	U	0.10	0.10
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.028	U	0.028	0.028
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-76313-1

SDG No.:

Client Sample ID: 4810 Lab Sample ID: 200-76313-3

Matrix: Air Lab File ID: 63431-26.d

Analysis Method: TO-15 Date Collected: 12/18/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 12/20/2024 05:32

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 212246 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.028	U	0.028	0.028
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.028	U	0.028	0.028
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 200-76313-1

SDG No.:

Client Sample ID: 4810 Lab Sample ID: 200-76313-3

Matrix: Air Lab File ID: 63431-26.d

Analysis Method: TO-15 Date Collected: 12/18/2024 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 12/20/2024 05:32

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

Purge Volume: Heated Purge: (Y/N) pH:

% Moisture: % Solids: Level: (low/med) Low

Analysis Batch No.: 212246 Units: ppb v/v

Preparation Batch No.: Instrument ID: CHW.i

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHW.i\20241219-63431.b\63431-26.d
Lims ID: 200-76313-A-3
Client ID: 4810
Sample Type: Client
Inject. Date: 20-Dec-2024 05:32:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0063431-026
Operator ID: vtp Instrument ID: CHW.i

Method: \\chromfs\Burlington\ChromData\CHW.i\20241219-63431.b\TO15_TO3_MasterMethod_W.m
Limit Group: AI_TO15_ICAL
Last Update: 20-Dec-2024 04:15:04 Calib Date: 04-Dec-2024 09:15:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHW.i\20241203-63216.b\63216-20.d

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: BKZ7 Date: 20-Dec-2024 09:41:06

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41		4.077				ND	
	2 Dichlorodifluoromethane	85		4.174				ND	
	3 Chlorodifluoromethane	51		4.211				ND	
	4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.511				ND	
	5 Chloromethane	50		4.628				ND	
	6 Vinyl chloride	62		4.917				ND	
	7 Butane	43		4.923				ND	
	8 Butadiene	54		5.035				ND	
	9 Bromomethane	94		5.773				ND	
	10 Chloroethane	64		6.073				ND	
	13 Vinyl bromide	106		6.544				ND	
	14 Trichlorofluoromethane	101		6.731				ND	
	16 Ethanol	45		7.175				ND	
	20 1,1-Dichloroethene	96		7.967				ND	
	21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.015				ND	
	22 Acetone	43		8.052				ND	
	23 Isopropyl alcohol	45		8.411				ND	
	24 Carbon disulfide	76		8.459				ND	7
	26 3-Chloro-1-propene	41		8.801				ND	
	27 Methylene Chloride	49		9.079				ND	7
	28 2-Methyl-2-propanol	59		9.325				ND	
	30 trans-1,2-Dichloroethene	61		9.684				ND	
	31 Methyl tert-butyl ether	73		9.689				ND	
S	35 1,2-Dichloroethene, Total	61		10.200				ND	7
	32 Hexane	57		10.288				ND	
	33 1,1-Dichloroethane	63		10.583				ND	
	34 Vinyl acetate	43		10.593				ND	
	36 2-Butanone (MEK)	72		11.679				ND	
	37 cis-1,2-Dichloroethene	96		11.722				ND	
	38 Ethyl acetate	88		11.781				ND	
*	39 Chlorobromomethane	128	12.182	12.182	0.000	90	66559	10.0	
	40 Tetrahydrofuran	42		12.236				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Chloroform	83		12.375				ND	
42 1,1,1-Trichloroethane	97		12.723				ND	
43 Cyclohexane	84		12.883				ND	
44 Carbon tetrachloride	117		13.038				ND	
45 Benzene	78		13.407				ND	
46 1,2-Dichloroethane	62		13.482				ND	
47 Isooctane	57		13.637				ND	
48 n-Heptane	43		13.964				ND	
* 49 1,4-Difluorobenzene	114	14.194	14.194	0.000	94	336791	10.0	
51 Trichloroethene	95		14.665				ND	
53 1,2-Dichloropropane	63		15.141				ND	
54 Methyl methacrylate	69		15.216				ND	
55 1,4-Dioxane	88		15.274				ND	
57 Dibromomethane	174		15.312				ND	
58 Dichlorobromomethane	83		15.633				ND	
59 cis-1,3-Dichloropropene	75		16.473				ND	
61 4-Methyl-2-pentanone (MIBK)	43		16.719				ND	
62 Toluene	92		17.147				ND	
66 trans-1,3-Dichloropropene	75		17.553				ND	
67 1,1,2-Trichloroethane	83		17.949				ND	
68 Tetrachloroethene	166		18.179				ND	
69 2-Hexanone	43		18.345				ND	
70 Chlorodibromomethane	129		18.720				ND	
71 Ethylene Dibromide	107		18.982				ND	
* 73 Chlorobenzene-d5	117	19.907	19.907	0.000	87	292267	10.0	
74 Chlorobenzene	112		19.966				ND	
S 80 Xylenes, Total	106		20.100				ND	7
75 Ethylbenzene	91		20.148				ND	7
76 m-Xylene & p-Xylene	106		20.405				ND	
78 o-Xylene	106		21.111				ND	
79 Styrene	104		21.143				ND	
81 Bromoform	173		21.464				ND	
82 Isopropylbenzene	105		21.731				ND	
83 1,1,2,2-Tetrachloroethane	83		22.192				ND	
85 N-Propylbenzene	91		22.389				ND	
86 2-Chlorotoluene	91		22.539				ND	
87 4-Ethyltoluene	105		22.571				ND	
88 1,3,5-Trimethylbenzene	105		22.652				ND	
91 tert-Butylbenzene	119		23.117				ND	
92 1,2,4-Trimethylbenzene	105		23.197				ND	
93 sec-Butylbenzene	105		23.438				ND	
94 1,3-Dichlorobenzene	146		23.631				ND	
95 4-Isopropyltoluene	119		23.647				ND	
96 1,4-Dichlorobenzene	146		23.775				ND	
97 Benzyl chloride	91		23.925				ND	
98 n-Butylbenzene	91		24.251				ND	
99 1,2-Dichlorobenzene	146		24.310				ND	
102 1,2,4-Trichlorobenzene	180		27.028				ND	
103 Hexachlorobutadiene	225		27.295				ND	
104 Naphthalene	128		27.579				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

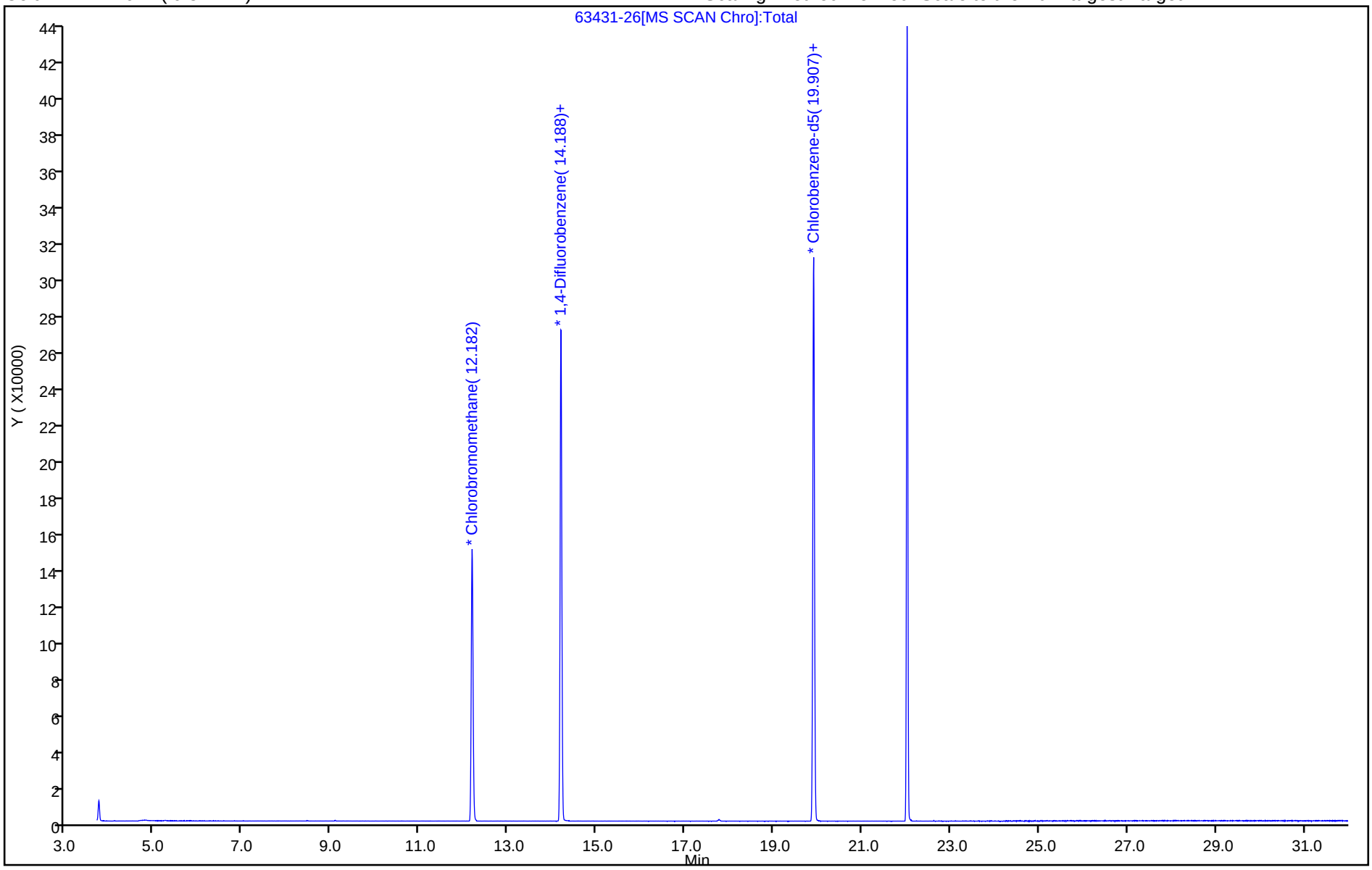
ATTO15WISs_00010 Amount Added: 20.00 Units: mL Run Reagent

Report Date: 20-Dec-2024 09:41:07 Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\CHW.i\20241219-63431.b\63431-26.d				
Injection Date:	20-Dec-2024 05:32:30	Instrument ID:	CHW.i	Operator ID:	vtp
Lims ID:	200-76313-A-3	Lab Sample ID:	200-76313-3	Worklist Smp#:	26
Client ID:	4810				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	25
Method:	TO15_TO3_MasterMethod_W	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Lab Name: Eurofins Burlington

SDG No.:

Client Sample ID: 5094

Matrix: Air

Analysis Method: TO-15

Sample wt/vol: 1000(mL)

Soil Aliquot Vol:

Soil Extract Vol.:

Purge Volume:

% Moisture: % Solids:

Analysis Batch No.: 212348

Preparation Batch No.:

CAS NO.	COMPOUND NAME
115-07-1	Propylene
75-71-8	Dichlorodifluoromethane
75-45-6	Freon 22
76-14-2	1,2-Dichlorotetrafluoroet
74-87-3	Chloromethane
106-97-8	n-Butane
75-01-4	Vinyl chloride
106-99-0	1,3-Butadiene
74-83-9	Bromomethane
75-00-3	Chloroethane
593-60-2	Bromoethene(Vinyl Bromide
75-69-4	Trichlorofluoromethane
64-17-5	Ethanol
76-13-1	Freon TF
75-35-4	1,1-Dichloroethene
67-64-1	Acetone
67-63-0	Isopropyl alcohol
75-15-0	Carbon disulfide
107-05-1	3-Chloropropene
75-09-2	Methylene Chloride
75-65-0	tert-Butyl alcohol
1634-04-4	Methyl tert-butyl ether
156-60-5	trans-1,2-Dichloroethene
110-54-3	n-Hexane
75-34-3	1,1-Dichloroethane
108-05-4	Vinyl acetate
141-78-6	Ethyl acetate
78-93-3	Methyl Ethyl Ketone
156-59-2	cis-1,2-Dichloroethene
540-59-0	1,2-Dichloroethene, Total
67-66-3	Chloroform
109-99-9	Tetrahydrofuran

FORM I TO-15

Lab Name: Eurofins Burlington

SDG No.:

Client Sample ID: 5094

Matrix: Air

Analysis Method: TO-15

Sample wt/vol: 1000(mL)

Soil Aliquot Vol:

Soil Extract Vol.:

Purge Volume:

% Moisture: % Solids:

Analysis Batch No.: 212348

Preparation Batch No.:

CAS NO.	COMPOUND NAME
71-55-6	1,1,1-Trichloroethane
110-82-7	Cyclohexane
56-23-5	Carbon tetrachloride
540-84-1	2,2,4-Trimethylpentane
71-43-2	Benzene
107-06-2	1,2-Dichloroethane
142-82-5	n-Heptane
79-01-6	Trichloroethene
80-62-6	Methyl methacrylate
78-87-5	1,2-Dichloropropane
123-91-1	1,4-Dioxane
75-27-4	Bromodichloromethane
10061-01-5	cis-1,3-Dichloropropene
108-10-1	methyl isobutyl ketone
108-88-3	Toluene
10061-02-6	trans-1,3-Dichloropropene
79-00-5	1,1,2-Trichloroethane
127-18-4	Tetrachloroethene
591-78-6	Methyl Butyl Ketone (2-He
124-48-1	Dibromochloromethane
106-93-4	1,2-Dibromoethane
108-90-7	Chlorobenzene
100-41-4	Ethylbenzene
179601-23-1	m,p-Xylene
95-47-6	Xylene, o-
1330-20-7	Xylene (total)
100-42-5	Styrene
75-25-2	Bromoform
98-82-8	Cumene
79-34-5	1,1,2,2-Tetrachloroethane
103-65-1	n-Propylbenzene
622-96-8	4-Ethyltoluene

FORM I TO-15

Lab Name: Eurofins Burlington

SDG No.:

Client Sample ID: 5094

Matrix: Air

Analysis Method: TO-15

Sample wt/vol: 1000(mL)

Soil Aliquot Vol:

Soil Extract Vol.:

Purge Volume:

% Moisture: % Solids:

Analysis Batch No.: 212348

Preparation Batch No.:

CAS NO.	COMPOUND NAM
108-67-8	1,3,5-Trimethylbenzene
95-49-8	2-Chlorotoluene
98-06-6	tert-Butylbenzene
95-63-6	1,2,4-Trimethylbenzene
135-98-8	sec-Butylbenzene
99-87-6	4-Isopropyltoluene
541-73-1	1,3-Dichlorobenzene
106-46-7	1,4-Dichlorobenzene
100-44-7	Benzyl chloride
104-51-8	n-Butylbenzene
95-50-1	1,2-Dichlorobenzene
120-82-1	1,2,4-Trichlorobenzene
87-68-3	Hexachlorobutadiene
91-20-3	Naphthalene

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241221-63479.b\6379_007.D
Lims ID: 200-76356-A-4
Client ID: 5094
Sample Type: Client
Inject. Date: 21-Dec-2024 18:38:03 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0063479-007
Misc. Info.: 76356-4
Operator ID: vtp Instrument ID: CHAM.i

Method: \\chromfs\Burlington\ChromData\CHAM.i\20241221-63479.b\TO15_TO3_Master_Method_AM1.m
Limit Group: AI_TO15_ICAL
Last Update: 23-Dec-2024 10:12:22 Calib Date: 21-Dec-2024 11:06:39
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\CHAM.i\20241220-63469.b\63469_024.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX1722

First Level Reviewer: YWL8 Date: 23-Dec-2024 10:12:58

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	1 Propene	41		4.273				ND	7
	2 Dichlorodifluoromethane	85		4.374				ND	
	3 Chlorodifluoromethane	51		4.423				ND	
	4 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.744				ND	
	5 Chloromethane	50		4.872				ND	7
	7 Butane	43		5.177				ND	7
	6 Vinyl chloride	62		5.177				ND	
	8 Butadiene	54		5.295				ND	
	9 Bromomethane	94		6.049				ND	
	10 Chloroethane	64		6.327				ND	
	13 Vinyl bromide	106		6.760				ND	
	14 Trichlorofluoromethane	101		6.921				ND	
	16 Ethanol	45		7.327				ND	
	20 1,1-Dichloroethene	96		8.007				ND	
	21 1,1,2-Trichloro-1,2,2-trifluoroe	101		8.044				ND	
	22 Acetone	43		8.103				ND	7
	23 Isopropyl alcohol	45		8.408				ND	
	24 Carbon disulfide	76	8.419	8.419	0.006	97	2613	0.0173	
	26 3-Chloro-1-propene	41		8.718				ND	7
	27 Methylene Chloride	49		8.964				ND	7
	28 2-Methyl-2-propanol	59		9.195				ND	
	30 trans-1,2-Dichloroethene	61		9.462				ND	7
	31 Methyl tert-butyl ether	73		9.462				ND	
	32 Hexane	57		9.970				ND	
S	35 1,2-Dichloroethene, Total	61		10.200				ND	7
	33 1,1-Dichloroethane	63		10.248				ND	
	34 Vinyl acetate	43		10.254				ND	
	36 2-Butanone (MEK)	72		11.238				ND	
	37 cis-1,2-Dichloroethene	96		11.260				ND	
	38 Ethyl acetate	88		11.313				ND	
*	39 Chlorobromomethane	128	11.677	11.677	0.000	94	334330	10.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	40 Tetrahydrofuran	42		11.709				ND	
	41 Chloroform	83		11.859				ND	
	42 1,1,1-Trichloroethane	97		12.158				ND	
	43 Cyclohexane	84		12.287				ND	
	44 Carbon tetrachloride	117		12.431				ND	
	45 Benzene	78		12.790				ND	7
	46 1,2-Dichloroethane	62		12.875				ND	
	47 Isooctane	57		12.998				ND	
	48 n-Heptane	43		13.303				ND	7
*	49 1,4-Difluorobenzene	114	13.533	13.533	0.000	95	1600994	10.0	
	51 Trichloroethene	95		13.967				ND	
	53 1,2-Dichloropropane	63		14.432				ND	
	54 Methyl methacrylate	69		14.518				ND	
	55 1,4-Dioxane	88		14.560				ND	
	57 Dibromomethane	174	14.592	14.592	0.000	94	946	0.0170	
	58 Dichlorobromomethane	83		14.908				ND	
	59 cis-1,3-Dichloropropene	75		15.711				ND	7
	61 4-Methyl-2-pentanone (MIBK)	43		15.978				ND	
	62 Toluene	92		16.347				ND	
	66 trans-1,3-Dichloropropene	75		16.775				ND	7
	67 1,1,2-Trichloroethane	83		17.150				ND	
	68 Tetrachloroethene	166		17.332				ND	
	69 2-Hexanone	43		17.562				ND	
	70 Chlorodibromomethane	129		17.888				ND	7
	71 Ethylene Dibromide	107		18.129				ND	7
*	73 Chlorobenzene-d5	117	19.038	19.038	0.000	88	1440733	10.0	
	74 Chlorobenzene	112		19.097				ND	7
	75 Ethylbenzene	91		19.284				ND	7
	76 m-Xylene & p-Xylene	106		19.546				ND	
S	80 Xylenes, Total	106		20.100				ND	7
	78 o-Xylene	106		20.317				ND	
	79 Styrene	104		20.349				ND	7
	81 Bromoform	173		20.691				ND	7
	82 Isopropylbenzene	105		20.985				ND	7
	83 1,1,2,2-Tetrachloroethane	83		21.504				ND	7
	85 N-Propylbenzene	91		21.681				ND	7
	86 2-Chlorotoluene	91		21.831				ND	7
	87 4-Ethyltoluene	105		21.873				ND	7
	88 1,3,5-Trimethylbenzene	105		21.970				ND	7
	91 tert-Butylbenzene	119		22.446				ND	
	92 1,2,4-Trimethylbenzene	105		22.532				ND	7
	93 sec-Butylbenzene	105		22.767				ND	7
	94 1,3-Dichlorobenzene	146	22.938	22.938	0.000	89	1563	0.0116	
	95 4-Isopropyltoluene	119		22.976				ND	
	96 1,4-Dichlorobenzene	146	23.077	23.077	0.000	86	2000	0.0149	
	97 Benzyl chloride	91		23.232				ND	7
	98 n-Butylbenzene	91		23.537				ND	7
	99 1,2-Dichlorobenzene	146		23.585				ND	7
	102 1,2,4-Trichlorobenzene	180		26.084				ND	7
	103 Hexachlorobutadiene	225		26.325				ND	7
	104 Naphthalene	128		26.576				ND	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15AMISs_00004 Amount Added: 20.00 Units: mL Run Reagent

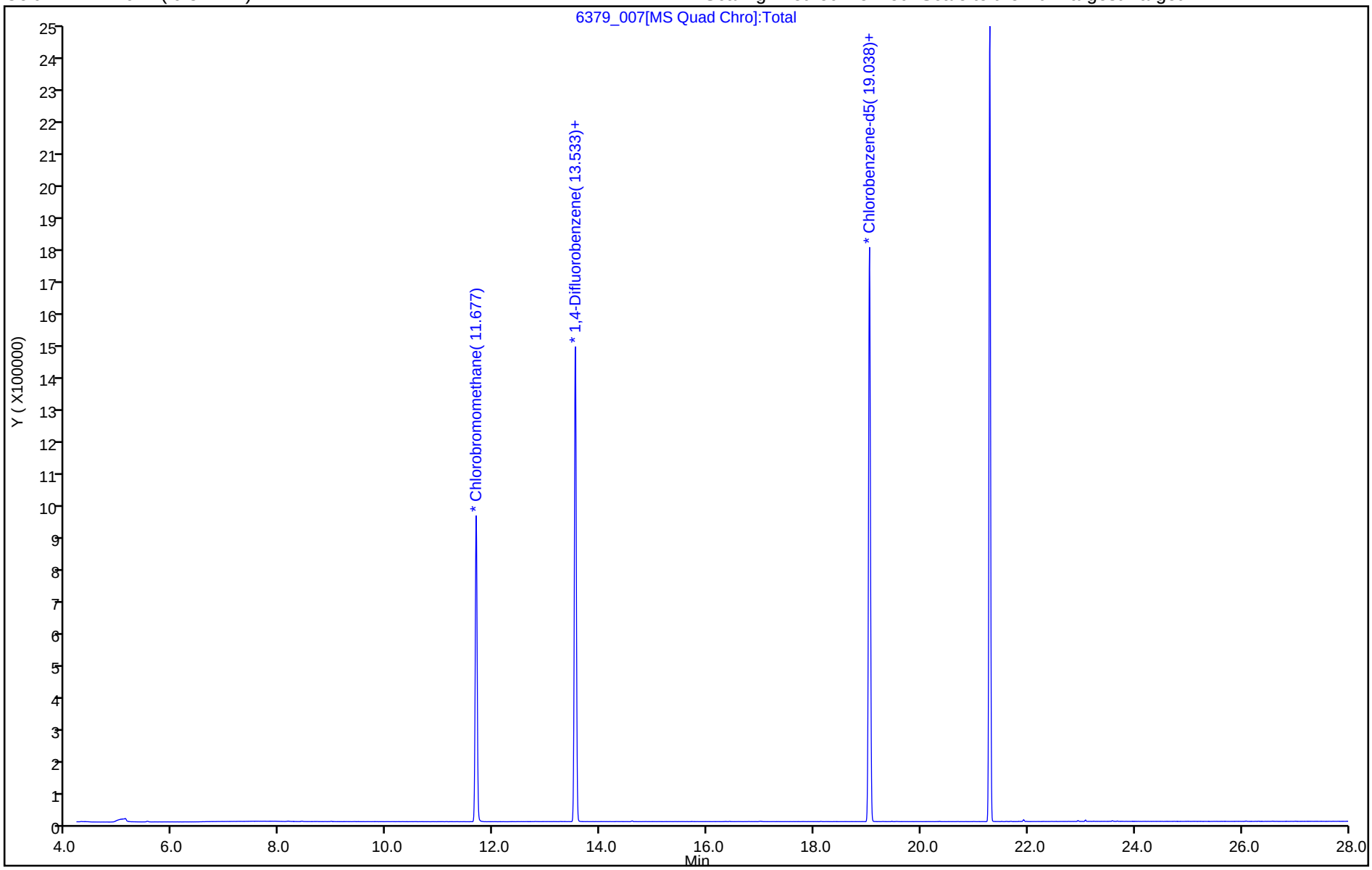
Report Date: 23-Dec-2024 10:12:58 Chrom Revision: 2.3 17-Dec-2024 12:44:46

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\CHAM.i\20241221-63479.b\6379_007.D

Injection Date:	21-Dec-2024 18:38:03	Instrument ID:	CHAM.i	Operator ID:	vtp
Lims ID:	200-76356-A-4	Lab Sample ID:	200-76356-4	Worklist Smp#:	7
Client ID:	5094				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	6
Method:	TO15_TO3_Master_Method_AM1	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Rebecca McDonald
Ramboll Americas Engineering Solutions
94 New Karner Road
Suite 106
Albany, New York 12203

Generated 3/26/2025 4:30:09 PM

JOB DESCRIPTION

Waste Characterization Sampling Event

JOB NUMBER

480-227990-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

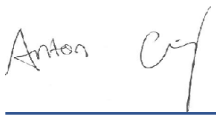
my EOL

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.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Definitions/Glossary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-227990-1
Project/Site: Waste Characterization Sampling Event

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
U	Indicates the analyte was analyzed for but not detected.

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

Job ID: 480-227990-1 Eurofins Buffalo

Job Narrative
480-227990-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be 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.

Receipt
The sample was received on 3/19/2025 9:30 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C.

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-741247.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-741411 recovered outside acceptance criteria, low biased, for 3-Nitroaniline and Carbazole. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 9040C: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: WATER DRUM-031825 (480-227990-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-227990-1
Project/Site: Waste Characterization Sampling Event

Client Sample ID: WATER DRUM-031825
Lab Sample ID: 480-227990-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>180		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.37	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	16.3	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ramboll Americas Engineering Solutions
Job ID: 480-227990-1
Project/Site: Waste Characterization Sampling Event

Client Sample ID: WATER DRUM-031825
Lab Sample ID: 480-227990-1
Date Collected: 03/18/25 10:25
Matrix: Water
Date Received: 03/19/25 09:30

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			03/21/25 15:04	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			03/21/25 15:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/21/25 15:04	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			03/21/25 15:04	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			03/21/25 15:04	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			03/21/25 15:04	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			03/21/25 15:04	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			03/21/25 15:04	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			03/21/25 15:04	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			03/21/25 15:04	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			03/21/25 15:04	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			03/21/25 15:04	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			03/21/25 15:04	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			03/21/25 15:04	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			03/21/25 15:04	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			03/21/25 15:04	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			03/21/25 15:04	1
Acetone	10	U	10	3.0	ug/L			03/21/25 15:04	1
Benzene	1.0	U	1.0	0.41	ug/L			03/21/25 15:04	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			03/21/25 15:04	1
Bromoform	1.0	U	1.0	0.26	ug/L			03/21/25 15:04	1
Bromomethane	1.0	U	1.0	0.69	ug/L			03/21/25 15:04	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			03/21/25 15:04	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			03/21/25 15:04	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			03/21/25 15:04	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/21/25 15:04	1
Chloroform	1.0	U	1.0	0.34	ug/L			03/21/25 15:04	1
Chloromethane	1.0	U	1.0	0.35	ug/L			03/21/25 15:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			03/21/25 15:04	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			03/21/25 15:04	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			03/21/25 15:04	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			03/21/25 15:04	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			03/21/25 15:04	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			03/21/25 15:04	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			03/21/25 15:04	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			03/21/25 15:04	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			03/21/25 15:04	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			03/21/25 15:04	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			03/21/25 15:04	1
Styrene	1.0	U	1.0	0.73	ug/L			03/21/25 15:04	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			03/21/25 15:04	1
Toluene	1.0	U	1.0	0.51	ug/L			03/21/25 15:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			03/21/25 15:04	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			03/21/25 15:04	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			03/21/25 15:04	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			03/21/25 15:04	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			03/21/25 15:04	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			03/21/25 15:04	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-227990-1
Project/Site: Waste Characterization Sampling Event

Client Sample ID: WATER DRUM-031825
Lab Sample ID: 480-227990-1

Date Collected: 03/18/25 10:25
Matrix: Water
Date Received: 03/19/25 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		03/21/25 15:04	1
4-Bromofluorobenzene (Surr)	114		73 - 120		03/21/25 15:04	1
Dibromofluoromethane (Surr)	108		75 - 123		03/21/25 15:04	1
Toluene-d8 (Surr)	100		80 - 120		03/21/25 15:04	1

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		03/20/25 06:41	03/21/25 19:19	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		03/20/25 06:41	03/21/25 19:19	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		03/20/25 06:41	03/21/25 19:19	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		03/20/25 06:41	03/21/25 19:19	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		03/20/25 06:41	03/21/25 19:19	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		03/20/25 06:41	03/21/25 19:19	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		03/20/25 06:41	03/21/25 19:19	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		03/20/25 06:41	03/21/25 19:19	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		03/20/25 06:41	03/21/25 19:19	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		03/20/25 06:41	03/21/25 19:19	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		03/20/25 06:41	03/21/25 19:19	1
2-Nitroaniline	10	U	10	0.42	ug/L		03/20/25 06:41	03/21/25 19:19	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		03/20/25 06:41	03/21/25 19:19	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		03/20/25 06:41	03/21/25 19:19	1
3-Nitroaniline	10	U	10	0.48	ug/L		03/20/25 06:41	03/21/25 19:19	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		03/20/25 06:41	03/21/25 19:19	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		03/20/25 06:41	03/21/25 19:19	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		03/20/25 06:41	03/21/25 19:19	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		03/20/25 06:41	03/21/25 19:19	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		03/20/25 06:41	03/21/25 19:19	1
4-Methylphenol	10	U	10	0.36	ug/L		03/20/25 06:41	03/21/25 19:19	1
4-Nitroaniline	10	U	10	0.25	ug/L		03/20/25 06:41	03/21/25 19:19	1
4-Nitrophenol	10	U	10	1.5	ug/L		03/20/25 06:41	03/21/25 19:19	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		03/20/25 06:41	03/21/25 19:19	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		03/20/25 06:41	03/21/25 19:19	1
Acetophenone	5.0	U	5.0	0.54	ug/L		03/20/25 06:41	03/21/25 19:19	1
Anthracene	5.0	U	5.0	0.28	ug/L		03/20/25 06:41	03/21/25 19:19	1
Atrazine	5.0	U	5.0	0.46	ug/L		03/20/25 06:41	03/21/25 19:19	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		03/20/25 06:41	03/21/25 19:19	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		03/20/25 06:41	03/21/25 19:19	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		03/20/25 06:41	03/21/25 19:19	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		03/20/25 06:41	03/21/25 19:19	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		03/20/25 06:41	03/21/25 19:19	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		03/20/25 06:41	03/21/25 19:19	1
Biphenyl	5.0	U	5.0	0.65	ug/L		03/20/25 06:41	03/21/25 19:19	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		03/20/25 06:41	03/21/25 19:19	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		03/20/25 06:41	03/21/25 19:19	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		03/20/25 06:41	03/21/25 19:19	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2	ug/L		03/20/25 06:41	03/21/25 19:19	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		03/20/25 06:41	03/21/25 19:19	1
Caprolactam	5.0	U	5.0	2.2	ug/L		03/20/25 06:41	03/21/25 19:19	1
Carbazole	5.0	U	5.0	0.30	ug/L		03/20/25 06:41	03/21/25 19:19	1
Chrysene	5.0	U	5.0	0.33	ug/L		03/20/25 06:41	03/21/25 19:19	1

Client: Ramboll Americas Engineering Solutions
Job ID: 480-227990-1
Project/Site: Waste Characterization Sampling Event

Client Sample ID: WATER DRUM-031825
Lab Sample ID: 480-227990-1
Date Collected: 03/18/25 10:25
Matrix: Water
Date Received: 03/19/25 09:30

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		03/20/25 06:41	03/21/25 19:19	1
Dibenzofuran	10	U	10	0.51	ug/L		03/20/25 06:41	03/21/25 19:19	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		03/20/25 06:41	03/21/25 19:19	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		03/20/25 06:41	03/21/25 19:19	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		03/20/25 06:41	03/21/25 19:19	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		03/20/25 06:41	03/21/25 19:19	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		03/20/25 06:41	03/21/25 19:19	1
Fluorene	5.0	U	5.0	0.36	ug/L		03/20/25 06:41	03/21/25 19:19	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		03/20/25 06:41	03/21/25 19:19	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		03/20/25 06:41	03/21/25 19:19	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		03/20/25 06:41	03/21/25 19:19	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		03/20/25 06:41	03/21/25 19:19	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		03/20/25 06:41	03/21/25 19:19	1
Isophorone	5.0	U	5.0	0.43	ug/L		03/20/25 06:41	03/21/25 19:19	1
Naphthalene	5.0	U	5.0	0.76	ug/L		03/20/25 06:41	03/21/25 19:19	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		03/20/25 06:41	03/21/25 19:19	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		03/20/25 06:41	03/21/25 19:19	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		03/20/25 06:41	03/21/25 19:19	1
Pentachlorophenol	10	U	10	2.2	ug/L		03/20/25 06:41	03/21/25 19:19	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		03/20/25 06:41	03/21/25 19:19	1
Phenol	5.0	U	5.0	0.39	ug/L		03/20/25 06:41	03/21/25 19:19	1
Pyrene	5.0	U	5.0	0.34	ug/L		03/20/25 06:41	03/21/25 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*25 - 144*	*03/20/25 06:41*	*03/21/25 19:19*	*1*
2-Fluorobiphenyl	*89*		*53 - 126*	*03/20/25 06:41*	*03/21/25 19:19*	*1*
2-Fluorophenol	*54*		*24 - 120*	*03/20/25 06:41*	*03/21/25 19:19*	*1*
Nitrobenzene-d5	*73*		*29 - 129*	*03/20/25 06:41*	*03/21/25 19:19*	*1*
Phenol-d5	*37*		*10 - 120*	*03/20/25 06:41*	*03/21/25 19:19*	*1*
p-Terphenyl-d14	*101*		*33 - 132*	*03/20/25 06:41*	*03/21/25 19:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive (SW846 9012)	10.0	U	10.0	10.0	mg/L		03/24/25 20:50	03/26/25 12:45	1
Sulfide, Reactive (SW846 9034)	10.0	U	10.0	10.0	mg/L		03/24/25 20:50	03/26/25 12:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint (SW846 1010A)	**>180**		50.0	50.0	Degrees F			03/26/25 09:29	1
pH (SW846 9040C)	**8.37**	**HF**	0.100	0.100	SU			03/20/25 14:48	1
Temperature (SW846 9040C)	**16.3**	**HF**	0.00100	0.00100	Degrees C			03/20/25 14:48	1

Surrogate Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-227990-1
Project/Site: Waste Characterization Sampling Event

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-227990-1	WATER DRUM-031825	103	114	108	100
LCS 480-741402/6	Lab Control Sample	104	118	112	105
MB 480-741402/8	Method Blank	101	117	109	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(25-144)	(53-126)	(24-120)	(29-129)	(10-120)	(33-132)
480-227990-1	WATER DRUM-031825	81	89	54	73	37	101
LCS 480-741247/2-A	Lab Control Sample	83	77	53	72	42	88
LCSD 480-741247/3-A	Lab Control Sample Dup	91	82	59	78	45	93
MB 480-741247/1-A	Method Blank	83	82	57	75	38	97

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHd14 = p-Terphenyl-d14

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-741402/8
Matrix: Water
Analysis Batch: 741402

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			03/21/25 12:47	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			03/21/25 12:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/21/25 12:47	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			03/21/25 12:47	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			03/21/25 12:47	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			03/21/25 12:47	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			03/21/25 12:47	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			03/21/25 12:47	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			03/21/25 12:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			03/21/25 12:47	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			03/21/25 12:47	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			03/21/25 12:47	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			03/21/25 12:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			03/21/25 12:47	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			03/21/25 12:47	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			03/21/25 12:47	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			03/21/25 12:47	1
Acetone	10	U	10	3.0	ug/L			03/21/25 12:47	1
Benzene	1.0	U	1.0	0.41	ug/L			03/21/25 12:47	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			03/21/25 12:47	1
Bromoform	1.0	U	1.0	0.26	ug/L			03/21/25 12:47	1
Bromomethane	1.0	U	1.0	0.69	ug/L			03/21/25 12:47	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			03/21/25 12:47	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			03/21/25 12:47	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			03/21/25 12:47	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/21/25 12:47	1
Chloroform	1.0	U	1.0	0.34	ug/L			03/21/25 12:47	1
Chloromethane	1.0	U	1.0	0.35	ug/L			03/21/25 12:47	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			03/21/25 12:47	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			03/21/25 12:47	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			03/21/25 12:47	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			03/21/25 12:47	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			03/21/25 12:47	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			03/21/25 12:47	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			03/21/25 12:47	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			03/21/25 12:47	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			03/21/25 12:47	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			03/21/25 12:47	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			03/21/25 12:47	1
Styrene	1.0	U	1.0	0.73	ug/L			03/21/25 12:47	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			03/21/25 12:47	1
Toluene	1.0	U	1.0	0.51	ug/L			03/21/25 12:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			03/21/25 12:47	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			03/21/25 12:47	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			03/21/25 12:47	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			03/21/25 12:47	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			03/21/25 12:47	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			03/21/25 12:47	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-741402/8
Matrix: Water
Analysis Batch: 741402

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		03/21/25 12:47	1
4-Bromofluorobenzene (Surr)	117		73 - 120		03/21/25 12:47	1
Dibromofluoromethane (Surr)	109		75 - 123		03/21/25 12:47	1
Toluene-d8 (Surr)	103		80 - 120		03/21/25 12:47	1

Lab Sample ID: LCS 480-741402/6
Matrix: Water
Analysis Batch: 741402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	27.4		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	25.0	20.1		ug/L		81	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.5		ug/L		114	61 - 148
1,1,2-Trichloroethane	25.0	24.5		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	24.8		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	26.6		ug/L		107	66 - 127
1,2,4-Trichlorobenzene	25.0	26.6		ug/L		106	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.2		ug/L		85	56 - 134
1,2-Dibromoethane	25.0	26.0		ug/L		104	77 - 120
1,2-Dichlorobenzene	25.0	24.9		ug/L		99	80 - 124
1,2-Dichloroethane	25.0	23.5		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	24.0		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	25.1		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 120
2-Butanone (MEK)	125	124		ug/L		99	57 - 140
2-Hexanone	125	115		ug/L		92	65 - 127
4-Methyl-2-pentanone (MIBK)	125	99.5		ug/L		80	71 - 125
Acetone	125	139		ug/L		112	56 - 142
Benzene	25.0	25.5		ug/L		102	71 - 124
Bromodichloromethane	25.0	25.1		ug/L		100	80 - 122
Bromoform	25.0	26.1		ug/L		104	61 - 132
Bromomethane	25.0	24.7		ug/L		99	55 - 144
Carbon disulfide	25.0	25.0		ug/L		100	59 - 134
Carbon tetrachloride	25.0	28.1		ug/L		113	72 - 134
Chlorobenzene	25.0	26.4		ug/L		105	80 - 120
Chloroethane	25.0	24.1		ug/L		97	69 - 136
Chloroform	25.0	24.0		ug/L		96	73 - 127
Chloromethane	25.0	20.3		ug/L		81	68 - 124
cis-1,2-Dichloroethene	25.0	26.5		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	26.1		ug/L		105	74 - 124
Cyclohexane	25.0	24.1		ug/L		96	59 - 135
Dibromochloromethane	25.0	25.1		ug/L		100	75 - 125
Dichlorodifluoromethane	25.0	19.9		ug/L		80	59 - 135
Ethylbenzene	25.0	26.3		ug/L		105	77 - 123
Isopropylbenzene	25.0	23.1		ug/L		92	77 - 122
Methyl acetate	50.0	42.9		ug/L		86	74 - 133
Methyl tert-butyl ether	25.0	24.3		ug/L		97	77 - 120
Methylcyclohexane	25.0	27.3		ug/L		109	68 - 134

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-741402/6
Matrix: Water
Analysis Batch: 741402

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylene Chloride	25.0	25.7		ug/L		103	75 - 124
Styrene	25.0	26.3		ug/L		105	80 - 120
Tetrachloroethene	25.0	29.2		ug/L		117	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	26.9		ug/L		108	73 - 127
Trichloroethene	25.0	27.3		ug/L		109	74 - 123
Trichlorofluoromethane	25.0	28.9		ug/L		116	62 - 150
Vinyl chloride	25.0	24.0		ug/L		96	65 - 133
Xylenes, Total	50.0	53.5		ug/L		107	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*118*		*73 - 120*
Dibromofluoromethane (Surr)	*112*		*75 - 123*
Toluene-d8 (Surr)	*105*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-741247/1-A
Matrix: Water
Analysis Batch: 741411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	5.0	U	5.0	0.48	ug/L		03/20/25 06:41	03/21/25 14:25	1
2,4,6-Trichlorophenol	5.0	U	5.0	0.61	ug/L		03/20/25 06:41	03/21/25 14:25	1
2,4-Dichlorophenol	5.0	U	5.0	0.51	ug/L		03/20/25 06:41	03/21/25 14:25	1
2,4-Dimethylphenol	5.0	U	5.0	0.50	ug/L		03/20/25 06:41	03/21/25 14:25	1
2,4-Dinitrophenol	10	U	10	2.2	ug/L		03/20/25 06:41	03/21/25 14:25	1
2,4-Dinitrotoluene	5.0	U	5.0	0.45	ug/L		03/20/25 06:41	03/21/25 14:25	1
2,6-Dinitrotoluene	5.0	U	5.0	0.40	ug/L		03/20/25 06:41	03/21/25 14:25	1
2-Chloronaphthalene	5.0	U	5.0	0.46	ug/L		03/20/25 06:41	03/21/25 14:25	1
2-Chlorophenol	5.0	U	5.0	0.53	ug/L		03/20/25 06:41	03/21/25 14:25	1
2-Methylnaphthalene	5.0	U	5.0	0.60	ug/L		03/20/25 06:41	03/21/25 14:25	1
2-Methylphenol	5.0	U	5.0	0.40	ug/L		03/20/25 06:41	03/21/25 14:25	1
2-Nitroaniline	10	U	10	0.42	ug/L		03/20/25 06:41	03/21/25 14:25	1
2-Nitrophenol	5.0	U	5.0	0.48	ug/L		03/20/25 06:41	03/21/25 14:25	1
3,3'-Dichlorobenzidine	5.0	U	5.0	0.40	ug/L		03/20/25 06:41	03/21/25 14:25	1
3-Nitroaniline	10	U	10	0.48	ug/L		03/20/25 06:41	03/21/25 14:25	1
4,6-Dinitro-2-methylphenol	10	U	10	2.2	ug/L		03/20/25 06:41	03/21/25 14:25	1
4-Bromophenyl phenyl ether	5.0	U	5.0	0.45	ug/L		03/20/25 06:41	03/21/25 14:25	1
4-Chloro-3-methylphenol	5.0	U	5.0	0.45	ug/L		03/20/25 06:41	03/21/25 14:25	1
4-Chloroaniline	5.0	U	5.0	0.59	ug/L		03/20/25 06:41	03/21/25 14:25	1
4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35	ug/L		03/20/25 06:41	03/21/25 14:25	1
4-Methylphenol	10	U	10	0.36	ug/L		03/20/25 06:41	03/21/25 14:25	1
4-Nitroaniline	10	U	10	0.25	ug/L		03/20/25 06:41	03/21/25 14:25	1
4-Nitrophenol	10	U	10	1.5	ug/L		03/20/25 06:41	03/21/25 14:25	1
Acenaphthene	5.0	U	5.0	0.41	ug/L		03/20/25 06:41	03/21/25 14:25	1
Acenaphthylene	5.0	U	5.0	0.38	ug/L		03/20/25 06:41	03/21/25 14:25	1
Acetophenone	5.0	U	5.0	0.54	ug/L		03/20/25 06:41	03/21/25 14:25	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-741247/1-A
Matrix: Water
Analysis Batch: 741411

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741247

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	5.0	U	5.0	0.28	ug/L		03/20/25 06:41	03/21/25 14:25	1
Atrazine	5.0	U	5.0	0.46	ug/L		03/20/25 06:41	03/21/25 14:25	1
Benzaldehyde	5.0	U	5.0	0.27	ug/L		03/20/25 06:41	03/21/25 14:25	1
Benzo[a]anthracene	5.0	U	5.0	0.36	ug/L		03/20/25 06:41	03/21/25 14:25	1
Benzo[a]pyrene	5.0	U	5.0	0.47	ug/L		03/20/25 06:41	03/21/25 14:25	1
Benzo[b]fluoranthene	5.0	U	5.0	0.34	ug/L		03/20/25 06:41	03/21/25 14:25	1
Benzo[g,h,i]perylene	5.0	U	5.0	0.35	ug/L		03/20/25 06:41	03/21/25 14:25	1
Benzo[k]fluoranthene	5.0	U	5.0	0.73	ug/L		03/20/25 06:41	03/21/25 14:25	1
Biphenyl	5.0	U	5.0	0.65	ug/L		03/20/25 06:41	03/21/25 14:25	1
bis (2-chloroisopropyl) ether	5.0	U	5.0	0.52	ug/L		03/20/25 06:41	03/21/25 14:25	1
Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35	ug/L		03/20/25 06:41	03/21/25 14:25	1
Bis(2-chloroethyl)ether	5.0	U	5.0	0.40	ug/L		03/20/25 06:41	03/21/25 14:25	1
Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2	ug/L		03/20/25 06:41	03/21/25 14:25	1
Butyl benzyl phthalate	5.0	U	5.0	1.0	ug/L		03/20/25 06:41	03/21/25 14:25	1
Caprolactam	5.0	U	5.0	2.2	ug/L		03/20/25 06:41	03/21/25 14:25	1
Carbazole	5.0	U	5.0	0.30	ug/L		03/20/25 06:41	03/21/25 14:25	1
Chrysene	5.0	U	5.0	0.33	ug/L		03/20/25 06:41	03/21/25 14:25	1
Dibenz(a,h)anthracene	5.0	U	5.0	0.42	ug/L		03/20/25 06:41	03/21/25 14:25	1
Dibenzofuran	10	U	10	0.51	ug/L		03/20/25 06:41	03/21/25 14:25	1
Diethyl phthalate	5.0	U	5.0	0.22	ug/L		03/20/25 06:41	03/21/25 14:25	1
Dimethyl phthalate	5.0	U	5.0	0.36	ug/L		03/20/25 06:41	03/21/25 14:25	1
Di-n-butyl phthalate	5.0	U	5.0	0.31	ug/L		03/20/25 06:41	03/21/25 14:25	1
Di-n-octyl phthalate	5.0	U	5.0	0.47	ug/L		03/20/25 06:41	03/21/25 14:25	1
Fluoranthene	5.0	U	5.0	0.40	ug/L		03/20/25 06:41	03/21/25 14:25	1
Fluorene	5.0	U	5.0	0.36	ug/L		03/20/25 06:41	03/21/25 14:25	1
Hexachlorobenzene	5.0	U	5.0	0.51	ug/L		03/20/25 06:41	03/21/25 14:25	1
Hexachlorobutadiene	5.0	U	5.0	0.68	ug/L		03/20/25 06:41	03/21/25 14:25	1
Hexachlorocyclopentadiene	5.0	U	5.0	0.59	ug/L		03/20/25 06:41	03/21/25 14:25	1
Hexachloroethane	5.0	U	5.0	0.59	ug/L		03/20/25 06:41	03/21/25 14:25	1
Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47	ug/L		03/20/25 06:41	03/21/25 14:25	1
Isophorone	5.0	U	5.0	0.43	ug/L		03/20/25 06:41	03/21/25 14:25	1
Naphthalene	5.0	U	5.0	0.76	ug/L		03/20/25 06:41	03/21/25 14:25	1
Nitrobenzene	5.0	U	5.0	0.29	ug/L		03/20/25 06:41	03/21/25 14:25	1
N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54	ug/L		03/20/25 06:41	03/21/25 14:25	1
N-Nitrosodiphenylamine	5.0	U	5.0	0.51	ug/L		03/20/25 06:41	03/21/25 14:25	1
Pentachlorophenol	10	U	10	2.2	ug/L		03/20/25 06:41	03/21/25 14:25	1
Phenanthrene	5.0	U	5.0	0.44	ug/L		03/20/25 06:41	03/21/25 14:25	1
Phenol	5.0	U	5.0	0.39	ug/L		03/20/25 06:41	03/21/25 14:25	1
Pyrene	5.0	U	5.0	0.34	ug/L		03/20/25 06:41	03/21/25 14:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*25 - 144*	*03/20/25 06:41*	*03/21/25 14:25*	*1*
2-Fluorobiphenyl	*82*		*53 - 126*	*03/20/25 06:41*	*03/21/25 14:25*	*1*
2-Fluorophenol	*57*		*24 - 120*	*03/20/25 06:41*	*03/21/25 14:25*	*1*
Nitrobenzene-d5	*75*		*29 - 129*	*03/20/25 06:41*	*03/21/25 14:25*	*1*
Phenol-d5	*38*		*10 - 120*	*03/20/25 06:41*	*03/21/25 14:25*	*1*
p-Terphenyl-d14	*97*		*33 - 132*	*03/20/25 06:41*	*03/21/25 14:25*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-741247/2-A
Matrix: Water
Analysis Batch: 741411

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	32.0	28.7		ug/L		90	65 - 126
2,4,6-Trichlorophenol	32.0	25.0		ug/L		78	64 - 120
2,4-Dichlorophenol	32.0	25.7		ug/L		80	63 - 120
2,4-Dimethylphenol	32.0	25.9		ug/L		81	47 - 120
2,4-Dinitrophenol	64.0	76.0		ug/L		119	31 - 137
2,4-Dinitrotoluene	32.0	27.8		ug/L		87	69 - 120
2,6-Dinitrotoluene	32.0	27.2		ug/L		85	68 - 120
2-Chloronaphthalene	32.0	23.5		ug/L		73	58 - 120
2-Chlorophenol	32.0	23.3		ug/L		73	48 - 120
2-Methylnaphthalene	32.0	22.1		ug/L		69	59 - 120
2-Methylphenol	32.0	22.6		ug/L		70	39 - 120
2-Nitroaniline	32.0	24.8		ug/L		78	54 - 127
2-Nitrophenol	32.0	26.2		ug/L		82	52 - 125
3,3'-Dichlorobenzidine	32.0	22.1		ug/L		69	49 - 135
3-Nitroaniline	32.0	17.9		ug/L		56	51 - 120
4,6-Dinitro-2-methylphenol	64.0	72.1		ug/L		113	46 - 136
4-Bromophenyl phenyl ether	32.0	26.1		ug/L		82	65 - 120
4-Chloro-3-methylphenol	32.0	25.6		ug/L		80	61 - 123
4-Chloroaniline	32.0	17.1		ug/L		54	30 - 120
4-Chlorophenyl phenyl ether	32.0	24.9		ug/L		78	62 - 120
4-Methylphenol	32.0	23.4		ug/L		73	29 - 131
4-Nitroaniline	32.0	27.0		ug/L		84	65 - 120
4-Nitrophenol	64.0	41.5		ug/L		65	45 - 120
Acenaphthene	32.0	28.2		ug/L		88	60 - 120
Acenaphthylene	32.0	27.7		ug/L		87	63 - 120
Acetophenone	32.0	24.7		ug/L		77	45 - 120
Anthracene	32.0	29.6		ug/L		93	67 - 120
Atrazine	32.0	35.7		ug/L		112	71 - 130
Benzaldehyde	32.0	23.5		ug/L		73	10 - 140
Benzo[a]anthracene	32.0	30.9		ug/L		97	70 - 121
Benzo[a]pyrene	32.0	30.7		ug/L		96	60 - 123
Benzo[b]fluoranthene	32.0	29.6		ug/L		93	66 - 126
Benzo[g,h,i]perylene	32.0	29.6		ug/L		92	66 - 150
Benzo[k]fluoranthene	32.0	33.4		ug/L		105	65 - 124
Biphenyl	32.0	24.6		ug/L		77	59 - 120
bis (2-chloroisopropyl) ether	32.0	20.6		ug/L		64	21 - 136
Bis(2-chloroethoxy)methane	32.0	24.6		ug/L		77	50 - 128
Bis(2-chloroethyl)ether	32.0	26.9		ug/L		84	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	31.1		ug/L		97	63 - 139
Butyl benzyl phthalate	32.0	30.6		ug/L		96	70 - 129
Caprolactam	32.0	8.98		ug/L		28	22 - 120
Carbazole	32.0	29.1		ug/L		91	66 - 123
Chrysene	32.0	30.1		ug/L		94	69 - 120
Dibenz(a,h)anthracene	32.0	30.5		ug/L		95	65 - 135
Dibenzofuran	32.0	26.4		ug/L		83	66 - 120
Diethyl phthalate	32.0	29.7		ug/L		93	59 - 127
Dimethyl phthalate	32.0	28.0		ug/L		88	68 - 120
Di-n-butyl phthalate	32.0	30.1		ug/L		94	69 - 131

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-741247/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 741411
Prep Batch: 741247

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-octyl phthalate	32.0	30.4		ug/L		95	63 - 140
Fluoranthene	32.0	30.9		ug/L		97	69 - 126
Fluorene	32.0	29.3		ug/L		92	66 - 120
Hexachlorobenzene	32.0	27.7		ug/L		87	61 - 120
Hexachlorobutadiene	32.0	13.7		ug/L		43	35 - 120
Hexachlorocyclopentadiene	32.0	12.2		ug/L		38	31 - 120
Hexachloroethane	32.0	15.2		ug/L		47	33 - 120
Indeno[1,2,3-cd]pyrene	32.0	30.8		ug/L		96	69 - 146
Isophorone	32.0	24.8		ug/L		77	55 - 120
Naphthalene	32.0	21.8		ug/L		68	57 - 120
Nitrobenzene	32.0	23.5		ug/L		73	53 - 123
N-Nitrosodi-n-propylamine	32.0	25.0		ug/L		78	32 - 140
Pentachlorophenol	64.0	56.2		ug/L		88	10 - 136
Phenanthrene	32.0	31.3		ug/L		98	68 - 120
Phenol	32.0	13.3		ug/L		42	17 - 120
Pyrene	32.0	31.5		ug/L		98	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*83*		*25 - 144*
2-Fluorobiphenyl	*77*		*53 - 126*
2-Fluorophenol	*53*		*24 - 120*
Nitrobenzene-d5	*72*		*29 - 129*
Phenol-d5	*42*		*10 - 120*
p-Terphenyl-d14	*88*		*33 - 132*

Lab Sample ID: LCSD 480-741247/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 741411
Prep Batch: 741247

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	32.0	31.0		ug/L		97	65 - 126	8	18
2,4,6-Trichlorophenol	32.0	26.4		ug/L		83	64 - 120	6	19
2,4-Dichlorophenol	32.0	27.1		ug/L		85	63 - 120	5	19
2,4-Dimethylphenol	32.0	27.7		ug/L		87	47 - 120	7	42
2,4-Dinitrophenol	64.0	83.4		ug/L		130	31 - 137	9	22
2,4-Dinitrotoluene	32.0	29.4		ug/L		92	69 - 120	6	20
2,6-Dinitrotoluene	32.0	29.6		ug/L		92	68 - 120	8	15
2-Chloronaphthalene	32.0	25.3		ug/L		79	58 - 120	7	21
2-Chlorophenol	32.0	25.9		ug/L		81	48 - 120	11	25
2-Methylnaphthalene	32.0	24.4		ug/L		76	59 - 120	10	21
2-Methylphenol	32.0	24.0		ug/L		75	39 - 120	6	27
2-Nitroaniline	32.0	26.7		ug/L		83	54 - 127	7	15
2-Nitrophenol	32.0	28.5		ug/L		89	52 - 125	9	18
3,3'-Dichlorobenzidine	32.0	21.5		ug/L		67	49 - 135	3	25
3-Nitroaniline	32.0	19.6		ug/L		61	51 - 120	9	19
4,6-Dinitro-2-methylphenol	64.0	79.2		ug/L		124	46 - 136	9	15
4-Bromophenyl phenyl ether	32.0	28.7		ug/L		90	65 - 120	9	15
4-Chloro-3-methylphenol	32.0	27.5		ug/L		86	61 - 123	7	27

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-741247/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 741411
Prep Batch: 741247

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Chloroaniline	32.0	17.8		ug/L		56	30 - 120	4	22
4-Chlorophenyl phenyl ether	32.0	26.8		ug/L		84	62 - 120	7	16
4-Methylphenol	32.0	24.8		ug/L		78	29 - 131	6	24
4-Nitroaniline	32.0	30.5		ug/L		95	65 - 120	12	24
4-Nitrophenol	64.0	44.1		ug/L		69	45 - 120	6	48
Acenaphthene	32.0	30.1		ug/L		94	60 - 120	7	24
Acenaphthylene	32.0	29.6		ug/L		93	63 - 120	7	18
Acetophenone	32.0	27.3		ug/L		85	45 - 120	10	20
Anthracene	32.0	31.6		ug/L		99	67 - 120	6	15
Atrazine	32.0	37.9		ug/L		118	71 - 130	6	20
Benzaldehyde	32.0	25.8		ug/L		81	10 - 140	9	20
Benzo[a]anthracene	32.0	32.6		ug/L		102	70 - 121	5	15
Benzo[a]pyrene	32.0	31.4		ug/L		98	60 - 123	2	15
Benzo[b]fluoranthene	32.0	31.5		ug/L		98	66 - 126	6	15
Benzo[g,h,i]perylene	32.0	30.8		ug/L		96	66 - 150	4	15
Benzo[k]fluoranthene	32.0	34.8		ug/L		109	65 - 124	4	22
Biphenyl	32.0	26.6		ug/L		83	59 - 120	8	20
bis (2-chloroisopropyl) ether	32.0	22.9		ug/L		71	21 - 136	10	24
Bis(2-chloroethoxy)methane	32.0	26.4		ug/L		83	50 - 128	7	17
Bis(2-chloroethyl)ether	32.0	30.3		ug/L		95	44 - 120	12	21
Bis(2-ethylhexyl) phthalate	32.0	32.9		ug/L		103	63 - 139	6	15
Butyl benzyl phthalate	32.0	32.4		ug/L		101	70 - 129	6	16
Caprolactam	32.0	9.04		ug/L		28	22 - 120	1	20
Carbazole	32.0	31.8		ug/L		100	66 - 123	9	20
Chrysene	32.0	31.4		ug/L		98	69 - 120	4	15
Dibenz(a,h)anthracene	32.0	32.0		ug/L		100	65 - 135	5	15
Dibenzofuran	32.0	28.3		ug/L		88	66 - 120	7	15
Diethyl phthalate	32.0	32.6		ug/L		102	59 - 127	9	15
Dimethyl phthalate	32.0	30.5		ug/L		95	68 - 120	8	15
Di-n-butyl phthalate	32.0	33.0		ug/L		103	69 - 131	9	15
Di-n-octyl phthalate	32.0	32.0		ug/L		100	63 - 140	5	16
Fluoranthene	32.0	33.0		ug/L		103	69 - 126	7	15
Fluorene	32.0	31.6		ug/L		99	66 - 120	8	15
Hexachlorobenzene	32.0	30.0		ug/L		94	61 - 120	8	15
Hexachlorobutadiene	32.0	15.7		ug/L		49	35 - 120	13	44
Hexachlorocyclopentadiene	32.0	13.5		ug/L		42	31 - 120	10	49
Hexachloroethane	32.0	17.9		ug/L		56	33 - 120	17	46
Indeno[1,2,3-cd]pyrene	32.0	32.6		ug/L		102	69 - 146	6	15
Isophorone	32.0	26.8		ug/L		84	55 - 120	8	17
Naphthalene	32.0	23.9		ug/L		75	57 - 120	9	29
Nitrobenzene	32.0	25.5		ug/L		80	53 - 123	8	24
N-Nitrosodi-n-propylamine	32.0	27.4		ug/L		86	32 - 140	9	31
Pentachlorophenol	64.0	63.2		ug/L		99	10 - 136	12	37
Phenanthrene	32.0	32.9		ug/L		103	68 - 120	5	15
Phenol	32.0	14.3		ug/L		45	17 - 120	7	34
Pyrene	32.0	33.2		ug/L		104	70 - 125	5	19

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-741247/3-A
Matrix: Water
Analysis Batch: 741411

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 741247

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*91*		*25 - 144*
2-Fluorobiphenyl	*82*		*53 - 126*
2-Fluorophenol	*59*		*24 - 120*
Nitrobenzene-d5	*78*		*29 - 129*
Phenol-d5	*45*		*10 - 120*
p-Terphenyl-d14	*93*		*33 - 132*

Method: 1010A - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 480-741796/1
Matrix: Water
Analysis Batch: 741796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Flashpoint	81.0	82.40		Degrees F		102	97.5 - 102.5

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-741623/1-A
Matrix: Water
Analysis Batch: 741830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741623

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	10.0	U	10.0	10.0	mg/L		03/24/25 20:50	03/26/25 12:44	1

Lab Sample ID: LCS 480-741623/2-A
Matrix: Water
Analysis Batch: 741830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 741623

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	1000	357.1		mg/L		36	10 - 100

Lab Sample ID: 480-227990-1 DU
Matrix: Water
Analysis Batch: 741830

Client Sample ID: WATER DRUM-031825
Prep Type: Total/NA
Prep Batch: 741623

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	10.0	U	10.0	U	mg/L		NC	20

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-741624/1-A
Matrix: Water
Analysis Batch: 741844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 741624

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	10.0	U	10.0	10.0	mg/L		03/24/25 20:50	03/26/25 12:34	1

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: LCS 480-741624/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 741844
Prep Batch: 741624

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide, Reactive			940	661.2		mg/L		70	10 - 100		

Lab Sample ID: 480-227990-1 DU
Client Sample ID: WATER DRUM-031825
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 741844
Prep Batch: 741624

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Sulfide, Reactive	10.0	U		10.0	U	mg/L				NC	20

GC/MS VOA

Analysis Batch: 741402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227990-1	WATER DRUM-031825	Total/NA	Water	8260C	
MB 480-741402/8	Method Blank	Total/NA	Water	8260C	
LCS 480-741402/6	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 741247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227990-1	WATER DRUM-031825	Total/NA	Water	3510C	
MB 480-741247/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-741247/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-741247/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 741411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227990-1	WATER DRUM-031825	Total/NA	Water	8270D	741247
MB 480-741247/1-A	Method Blank	Total/NA	Water	8270D	741247
LCS 480-741247/2-A	Lab Control Sample	Total/NA	Water	8270D	741247
LCSD 480-741247/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	741247

General Chemistry

Analysis Batch: 741407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227990-1	WATER DRUM-031825	Total/NA	Water	9040C	
LCS 480-741407/1	Lab Control Sample	Total/NA	Water	9040C	

Prep Batch: 741623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227990-1	WATER DRUM-031825	Total/NA	Water	7.3.3	
MB 480-741623/1-A	Method Blank	Total/NA	Water	7.3.3	
LCS 480-741623/2-A	Lab Control Sample	Total/NA	Water	7.3.3	
480-227990-1 DU	WATER DRUM-031825	Total/NA	Water	7.3.3	

Prep Batch: 741624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227990-1	WATER DRUM-031825	Total/NA	Water	7.3.4	
MB 480-741624/1-A	Method Blank	Total/NA	Water	7.3.4	
LCS 480-741624/2-A	Lab Control Sample	Total/NA	Water	7.3.4	
480-227990-1 DU	WATER DRUM-031825	Total/NA	Water	7.3.4	

Analysis Batch: 741796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227990-1	WATER DRUM-031825	Total/NA	Water	1010A	
LCS 480-741796/1	Lab Control Sample	Total/NA	Water	1010A	

Analysis Batch: 741830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227990-1	WATER DRUM-031825	Total/NA	Water	9012	741623
MB 480-741623/1-A	Method Blank	Total/NA	Water	9012	741623
LCS 480-741623/2-A	Lab Control Sample	Total/NA	Water	9012	741623
480-227990-1 DU	WATER DRUM-031825	Total/NA	Water	9012	741623

Client: Ramboll Americas Engineering Solutions
Job ID: 480-227990-1
Project/Site: Waste Characterization Sampling Event

General Chemistry

Analysis Batch: 741844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-227990-1	WATER DRUM-031825	Total/NA	Water	9034	741624
MB 480-741624/1-A	Method Blank	Total/NA	Water	9034	741624
LCS 480-741624/2-A	Lab Control Sample	Total/NA	Water	9034	741624
480-227990-1 DU	WATER DRUM-031825	Total/NA	Water	9034	741624

Lab Chronicle

Client: Ramboll Americas Engineering Solutions
Job ID: 480-227990-1
Project/Site: Waste Characterization Sampling Event

Client Sample ID: WATER DRUM-031825
Lab Sample ID: 480-227990-1

Date Collected: 03/18/25 10:25
Matrix: Water

Date Received: 03/19/25 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	741402	ERS	EET BUF	03/21/25 15:04
Total/NA	Prep	3510C			741247	DP	EET BUF	03/20/25 06:41
Total/NA	Analysis	8270D		1	741411	JMM	EET BUF	03/21/25 19:19
Total/NA	Analysis	1010A		1	741796	KM	EET BUF	03/26/25 09:29
Total/NA	Prep	7.3.3			741623	GW	EET BUF	03/24/25 20:50
Total/NA	Analysis	9012		1	741830	AM	EET BUF	03/26/25 12:45
Total/NA	Prep	7.3.4			741624	GW	EET BUF	03/24/25 20:50
Total/NA	Analysis	9034		1	741844	AM	EET BUF	03/26/25 12:34
Total/NA	Analysis	9040C		1	741407	IMZ	EET BUF	03/20/25 14:48

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-227990-1
Project/Site: Waste Characterization Sampling Event

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
9012	7.3.3	Water	Cyanide, Reactive
9034	7.3.4	Water	Sulfide, Reactive
9040C		Water	Temperature

Method Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-227990-1
Project/Site: Waste Characterization Sampling Event

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	EET BUF
9012	Cyanide, Reactive	SW846	EET BUF
9034	Sulfide, Reactive	SW846	EET BUF
9040C	pH	SW846	EET BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET BUF
5030C	Purge and Trap	SW846	EET BUF
7.3.3	Cyanide, Reactive	SW846	EET BUF
7.3.4	Sulfide, Reactive	SW846	EET BUF

Protocol References:

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

Sample Summary

Client: Ramboll Americas Engineering Solutions
Job ID: 480-227990-1
Project/Site: Waste Characterization Sampling Event

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-227990-1	WATER DRUM-031825	Water	03/18/25 10:25	03/19/25 09:30

#224

Site Characterization - NYSDEC Silvestri Dry Cleaners Site

RAMBOLL

Page 1 of 1

PO Number: 1940009211

Client: Site Name / Location: NYSDEC - Silvestri Dry Cleaners Site / Colonie, New York

Sampling Program: Waste Characterization Sampling Event

Sampler(s): Robert Hornung

Lab Use Only

Project Number:

Lab ID:

Job Number:

Ramboll Office: Albany
Address: Ramboll
94 New Karner Rd, Suite 106, Albany, N.Y. 12203
Phone: (518) 724-7272

Project Contact: Rebecca McDonald/Vic Maietta
Email: Rebecca.McDonald@ramboll.com/Vic.Maietta@ramboll.com

Laboratory:
Project Manager: John Schove
Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY, 14228-2298
Phone: (716) 691-7991
Fax: (716) 691-7991

Turnaround Time: Standard TAT

Package Requirement: NYSDEC Full ASP Category A Data Packag

Project Number: 1940104021

EDD Format: NYSDEC EDD Format

Chemical Preservatives: (see key at bottom)

	Unique Field Sample ID	Sample Location	Sample Date (mm/dd/yy)	Sample Time (hh:mm)	Sample Type (see key)	Sample Matrix (see key)	# of Containers	Grab (G) or Composite (C)	Field Filtered (Y / N)	TCL VOCs by USEPA Method 8260C	TCL SVOCs by USEPA Method 8270D	Cyanide Reactivity by USEPA Method 9012	Sulfide Reactivity by USEPA Method 9034	Ignitability by USEPA Method 1010A	pH Corrosivity by USEPA Method 9040C	Lab Sample ID
	Reporting Units									µg/l	µg/l	mg/L	mg/L	°F	SU	
	Preservatives									1	0	0	0	0	0	
1	Water Drum- 031825	Water Drum	03/18/25	10:25	N	WW	8	G	N	X	X	X	X	X	X	
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

480-227990 Chain of Custody

SNC 3/18/25

Special Instructions: 1). Analyze and report in accordance with spot bid (quote number 48026906) received on September 7, 2023. 2). NYSDEC Full ASP Category A data package.

Relinquished by: Robert Hornung	Date: 3/18/25	Received by:	Date: 3/18/25	Condition: On Ice	Comments or Notes:		
of: Ramboll	Time: 1405	of: EETN	Time: 1405				
Relinquished by:	Date: 3/18/25	Received by: Matthew Kwolb ET 3/19/25	Date:	Custody Seals intact? (Y) N			
of: EETN	Time: 1500	of:	Time: 930				
Relinquished by:	Date	Received by:	Date	Cooler Temperature: 2.0 IR#5C ICE			
of:	Time	of:	Time				

Sample Type: N = Normal environmental sample, FD = field duplicate, EB = Equipment Blank, FB = Field Blank, TB = Trip Blank, MS = Lab Matrix Spike, Other (Specify):
Sample Matrix: SE = Sediment, SO = Soil, WG = Ground Water, WS = Surface Water, WW = Waste Water, WQ = Water Quality, TA = Animal Tissue, TP = Plant Tissue, AA = Ambient Air, Other (Specify):
Preservatives Code: 0 = none, 1 = HCL, 2 = HNO3, 3 = H2SO4, 4 = NaOH, 5 = Ascorbic Acid, 6 = MeOH, 7 = NaHSO4, 8 = Na2S2O3: 9 = H3PO4

Login Sample Receipt Checklist

Client: Ramboll Americas Engineering Solutions

Job Number: 480-227990-1

Login Number: 227990
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins Buffalo

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	
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.	True	
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	RAMBOLL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Exhibit A

HENNESSY
Engineering & Consulting

William C. Hennessy, Jr. P.E.

February 2, 2022

Ms. Li Ning
One Furlong Drive
Albany NY 12205

Re: 69 Fuller Road
Colonie, New York

Dear Ms. Ning:

This report describes subsurface investigation activities completed at the Silvestri Cleaners property. Soil borings, groundwater monitoring wells, sampling and analytical services were completed to document the site in anticipation of a property transfer.

1.0 Location/and Property Improvements

69 Fuller Road is located in the southern portion of the Town and northern portion of Albany County (see Figure 1 - Site Location map).



Figure 1. Site Location

Commercial and light Industrial use exist along Fuller Road and Warehouse Row. The Pine Bush exists to the west. Public water and sewer serve the site and the surrounding area.

The building houses the former Silvestri Cleaners on floor one and a former Dance Studio on floor 2. Access Auto Sales/Service exists across Fuller Road at #68, while Habitat for Humanity ReStore exists across Fuller Road at #70 (this is formerly Paulson-Holbrook Lumber, an inactive hazardous waste site due to pretreated lumber methods). The former A&P supermarket building exists to the south Penske Truck rental exists to the north.



Figure 2. Parcel Map

Silvestri Dry Cleaners reportedly operated the subject building from 1956-2019. A NYS Dept. of Environmental Conservation form entitled "Weekly Inspection for 3rd/4th Generation Perc Dry cleaning machines was observed at the building which stated in handwriting that no more perc was used due to installation of a new machine April 22, 2016.

2.0 Field Investigation



Based on the historical use, soil borings were advanced to assess soil and groundwater quality. Boring locations were determined based on New York State Part 375 regulations administered by the Department of Environmental Conservation (NYSDEC). Seven borings were advanced on the Property. Three were converted to groundwater monitoring wells. Figure 3 depicts the boring locations.

Precision Environmental Services (PES), Ballston Spa, NY, completed the fieldwork Friday December 3, 2021 utilizing PES's limited access 540B Geoprobe direct push soil probe. Investigative fieldwork included installation of soil borings, field screening of acquired soil samples, and submittal to a NYS certified laboratory for analysis. The undersigned, observed, screened and documented soil conditions. Decontamination procedures were performed on all soil sampling equipment prior to and between each sample acquisition.



The geoprobe advances a 2-¼" diameter tube, with a disposable acetate liner, into the soil for extraction of soil samples. Sampling equipment included a stainless steel macrocore sampler which retrieves relatively undisturbed soil samples across a four foot interval.

Soils were generally consistent across the site. Sand, silt and gravel existed from approximately 0-1' below grade, with tan fine sand extending to depth (8.0 feet in most borings, see logs in Appendix B). Groundwater was encountered between 5' and 7' below grade in all borings.

A sub-slab vapor sample was obtained in the vicinity of the dry cleaning machines. A temporary soil vapor probe was installed inside the building approximately 5 feet from the dry cleaning machines. The temporary probe was for preliminary screening purposes and was installed utilizing a hammer drill through the concrete floor. A stainless steel implant was installed together with 1/8 inch diameter polyethylene tubing, to a peristaltic pump and collection in a 5-liter tedlar bag.

Temporary groundwater monitoring wells were installed at borings 1, 6, and 7. These locations were chosen based on assumed groundwater direction and former building operations. PES-1 was assumed upgradient, PES-2 was assumed downgradient, and PES-3 was at the exterior near the former dry cleaning machines. Groundwater sampling was

completed by Precision Environmental Services December 8, 2021. Groundwater sample collection was via sampling-purging by bailer. In addition to determining the depth to groundwater, monitoring wells were purged of a minimum of three well volumes by bailing, allowed to re-charge to equilibration, and sampled. All samples were obtained by aseptic techniques, secured in clean laboratory supplied glassware, labeled, and placed on iced storage for subsequent submission under chain of custody to Alpha Analytical Laboratory Buffalo, NY (ELAP #11148).

3.0 Field Screening: Collected soil samples were classified with respect to soil type and field screened utilizing a properly calibrated Minirae 3000 Photo Ionization Detector (PID) to determine the presence of volatile organic compounds (VOCs). Screening involved sealing representative portions of the acquired sample in clean plastic bags, allowing for equilibration and scanning the headspace using the PID.

SOIL BORING	DEPTH (FT.)	PID RESPONSE (PPM)
SB-1	all	5.6
SB-2	all	0
SB-3	1-2'*	0
SB-4	all	0
SB-5	all	0
SB-6	9'	3.1
SB-7	6'	6.2

*assumed to be vegetation organics

All results are reported in mg/kg (ppm)

Elevated readings were obtained on the PID at borings 3, 6, and 7. The response at boring 3 was assumed to be due to vegetation organics found in the soil. Laboratory samples were collected at borings 6 and 7 for laboratory analysis.

4.0 Analytical Testing

Soil, groundwater, and subslab vapor samples were obtained and submitted under Chain Of Custody to Alpha Analytical, Buffalo, NY for analysis. Alpha is certified by the NYS Department of Health for the analyses requested (ELAP #11148). Analytical results are contained in Appendix C. Soil and groundwater were sampled for compounds in accordance with the following sampling methods:

- Volatile Organic Compounds (VOCs) via EPA Method 8260C.
- Semivolatile organic compounds (SVOCs) via EPA Method 8270D
- Metals per EPA Method 6010D

Soil

Constituents were compared to NYSDEC Part 375 Soil Cleanup Objectives (SCOs). SCOs are essentially thresholds, or levels of contaminants, for consideration of allowing soil to remain in place, as well as thresholds for soil removed from a site.

No analytes were detected above the most lenient threshold ("Unrestricted Use").

Water

The upgradient well PES-1 was dry during sampling, therefore no results were available. Results for semivolatile compounds were only available for PES-2. As listed in Table 2, several contaminants were detected above laboratory detection limits in PES-2 and PES-

3. Most notably, chlorinated volatile organic compounds (CVOCs) which are dry cleaning fluids or their daughter compounds, were significantly above the NYSDEC groundwater standard. These compounds include Tetrachloroethylene (often referred to as perc), trichloroethylene and cis 1,2 dichloroethylene.

VOCS -EPA 8260C				NYSDEC GW Standard*1
Analyte in µg/L (PPB)	**PES-1**	**PES-2**	**PES-3**	
cis 1,2 dichloroethene	N/A	ND	12.00	*5*
Trichloroethene	N/A	ND	6.70	*5*
Tetrachloroethene	N/A	20.00	550.00	*5*

Soil Vapor

The sample was collected in a 5 Liter tedlar bag and submitted to Alpha Environmental for analysis in accordance with New York State Department of Health guidelines Guidance for Evaluating Soil Vapor Intrusion in New York State, October 2006. The vapor sample was analyzed via EPA method TO-15.

Table 3 and the laboratory report are appended and describe detections of all compounds as well as other constituents. Initial results for cis-1,2 dichloroethene, trichloroethene, and tetrachloroethene were high and exceeded the instrument calibration range. The sample was re-analyzed on dilution in order to quantitate the results for these compounds. As described below, these compounds exceeded guidance values significantly.

Sub slab Soil Vapor Analytical Summary			
	VOCS: EPA Method TO-15Analyte in µg/m³	**SL-1**	**NYS DOH Guidance to MITIGATE [1]**
Matrix A	Carbon tetrachloride	ND	>60
	1,1-Dichloroethane	ND	>60
	cis-1,2-Dichloroethene	2,850	>60
	Trichloroethene	7,150	>60
Matrix B	Methylene chloride	ND	>1,000
	Tetrachloroethene	119,000	>1,000
	1,1,1-Trichloroethane	ND	>1,000
Matrix C	Vinyl Chloride	ND	>60

Conclusions

Environmental investigation was completed at 69 Fuller Road to assess soil, water, and soil vapor quality due to prior land use as Silvestri Dry Cleaners:

- Eight soil borings, three groundwater monitoring wells, one temporary Soil Vapor Intrusion probe and sampling were completed to comply with NYS standards for soil and groundwater contamination.
- Regarding soil conditions, no elevated VOCs were detected above "unrestricted" Soil Cleanup Objectives".
- Regarding groundwater conditions, significant contamination was identified in two monitoring wells which contravened NYS standards, including tetrachloroethylene (perc) historical dry cleaning fluid and its daughter compounds.
- Regarding sub-slab vapor, significant contamination was identified in the temporary vapor probe which contravened NYSDOH Guidance, including tetrachloroethylene (perc) historical dry cleaning fluid and its daughter compounds.

Recommendations

In light of these findings, additional investigation is needed to delineate the extent of the identified groundwater and soil vapor contamination.

At a minimum, this report should be submitted to the NYS Department of Environmental Conservation Region 4 Divisions of Environmental Remediation for review and comment. If you concur, I would be happy to forward this to the NYDEC to advance the review. Please contact me at your convenience to discuss the matter further as needed. Thank you.

The conclusions presented in this Report were based upon the services described and not on scientific tasks or procedures beyond the scope of those described services. Services were provided in a manner with the level of care and skill ordinarily exercised by members of the profession under similar conditions. No warranty, express or implied is made. The report is a statement of professional opinion based on the information available during the assessment and formed by the judgment of the engineer from the knowledge of the available facts and other identified information. The owner must be aware that the assessment reflects conditions at a specific point in time which is clearly identified.

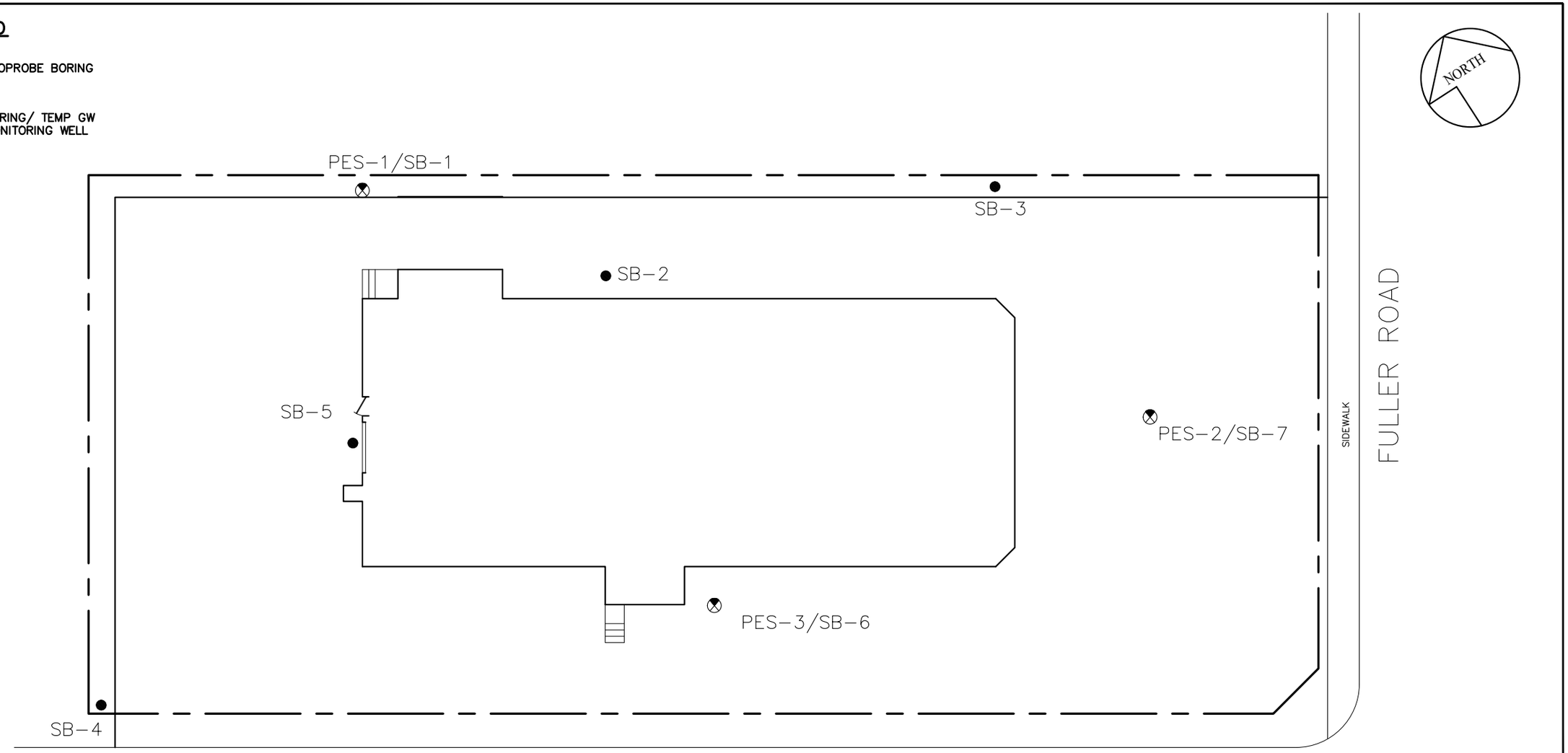
Sincerely,



William C. Hennessy, Jr. PE

LEGEND

- GEOPROBE BORING
- BORING/ TEMP GW MONITORING WELL



NOTES:

1. ALL DEPICTED FEATURES WERE NOT LOCATED BY ACTUAL FIELD SURVEY AND ARE SUBJECT TO FIELD VERIFICATION.
2. MAP REFERENCE: ALBANY COUNTY TAX MAPS AND GIS.

HENNESSY
Engineering & Consulting

P.O. Box 118
Voorheesville, NY 12186
518-813-3597

SITE PLAN

FORMER SILVESTRI CLEANERS

69 FULLER ROAD

TOWN OF COLONIE — COUNTY OF ALBANY, NY

Scale: 1"=20'± — DATE: DEC. 6, 2021

Appendix A

69 Fuller Road, Albany, NY
Subsurface Investigation Report of Findings

SOIL Analytical Summary

						NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives *1					
Volatiles - EPA 8260	Sample Identification					Unrestricted Use	*Restricted Use*				Protection of Groundwater
Analyte	**SB-2**	**SB-3**	**SB-5**	**SB-6**	**SB-7**		Residential	Restricted Residential	Commercial	Industrial	
Chloroform	0.00032 j	0.00032 j	0.00037j	0.00034j	ND	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Tetrachloroethene	0.0046	ND	0.0086	0.044	ND	*1.3*	*5.5*	*19*	*150*	*300*	1.3
Trichloroethene	ND	ND	ND	0.00053J	ND	*0.47*	*10*	*21*	*200*	*400*	0.47
cis-1,2-Dichloroethene	ND	ND	ND	0.00032J	ND	*0.25*	*59*	*100*	*500*	*1,000*	0.25

Semi Volatiles - EPA 8270	Sample Identification					Unrestricted Use	*Restricted Use*				Protection of Groundwater
Analyte	**SB-2**	**SB-3**	**SB-5**	**SB-6**	**SB-7**		Residential	Restricted Residential	Commercial	Industrial	
Benzo(a)anthracene	ND	ND	ND	0.063J	ND	*1*	*1*	*1*	*5.6*	*11*	1
Benzo(a)pyrene	ND	ND	ND	0.068J	ND	*1*	*1*	*1*	*1*	*1.1*	22
Benzo(b)fluoranthene	ND	ND	ND	0.12	ND	*1*	*1*	*1*	*5.6*	*11*	1.7
Benzo(k)fluoranthene	ND	ND	ND	0.034J	ND	*0.8*	*1*	*3.9*	*56*	*110*	1.7
Chrysene	ND	ND	ND	0.098J	ND	*1*	*1*	*3.9*	*56*	*110*	1
Fluoranthene	ND	ND	0.054J	0.18	ND	*100*	*100*	*100*	*500*	*1,000*	1,000
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.056J	ND	*0.5*	*0.5*	*0.5*	*5.6*	*11*	8.2
Phenanthrene	ND	ND	0.052J	ND	ND	*100*	*100*	*100*	*500*	*1,000*	1,000
Pyrene	ND	ND	0.046J	0.16	ND	*100*	*100*	*100*	*500*	*1,000*	1,000
Carbazole	ND	ND	ND	0.021J	ND	NA	NA	NA	NA	NA	NA

Metals - EPA 6010C	Sample Identification					Unrestricted Use	*Restricted Use*				Protection of Groundwater
Analyte	**SB-2**	**SB-3**	**SB-5**	**SB-6**	**SB-7**		Residential	Restricted Residential	Commercial	Industrial	
Arsenic, Total	NS	0.702	1.93	0.936	0.732	*13*	*16*	*16*	*16*	*16*	16
Barium, Total	NS	6.08	9.83	6.99	4.16	*350*	*350*	*400*	*400*	*10,000*	820
Cadmium, Total	NS	0.095J	0.151J	0.126J	0.109J	*2.5*	*2.5*	*4.3*	*9.3*	*60*	7.5
Chromium, Total	NS	2.35	3.53	2.81	3.07	*30*	*36*	*180*	*1,500*	*6,800*	N/A
Lead, Total	NS	1.30J	2.49J	1.67J	1.23J	*63*	*400*	*400*	*1,000*	*3,900*	450
Mercury, Total	NS	ND	ND	ND	ND	*0.18*	*0.81*	*0.81*	*2.8*	*5.7*	0.73
Selenium, Total	NS	ND	0.245J	ND	ND	*3.9*	*36*	*180*	*1,500*	*6,800*	4
Silver, Total	NS	ND	ND	ND	ND	*2*	*36*	*180*	*1,500*	*6,800*	8.3

Laboratory analysis performed by Alpha Analytical, Inc., Buffalo, NY
All results reported in mg/kg (parts per million)
*1 = NYSDEC Regulation 6 NYCRR Subpart 375
Highlighted Values Exceeds Corresponding Soil Cleanup Objective
ND = Not detected below the laboratories method detection limit
NS = Not analyzed
Samples obtained on Dec. 3, 2021

69 Fuller Road, Albany, NY

TABLE 2

DETECTIONS Groundwater Analytical Summary

VOCS -EPA 8260C				NYSDEC GW Standard[*1]
Analyte in µg/L (PPB)	**PES-1**	**PES-2**	**PES-3**	
cis 1,2 dichloroethene	N/A	ND	12.00	*5*
Trichloroethene	N/A	ND	6.70	*5*
Tetrachloroethene	N/A	20.00	550.00	*5*
VINYL CHLORIDE	N/A	ND	ND	*2*
1, 1 DCE	N/A	ND	ND	*5*
trans 1,2 DCE	N/A	ND	ND	*5*
Benzene	N/A	ND	ND	*1*
Toluene	N/A	ND	ND	*5*
SVOCS -EPA 8270				
Analyte in µg/L (PPB)	**PES-1**	**PES-2**	**PES-3**	
Benzo(a)anthracene	N/A	0.06J	N/A	*N/A*
Benzo(a)pyrene	N/A	0.04J	N/A	ND
Benzo(b)fluoranthene	N/A	0.06J	N/A	*N/A*
Benzo(k)fluoranthene	N/A	0.03J	N/A	*N/A*
Chrysene	N/A	0.03J	N/A	*N/A*
Acenaphthylene	N/A	0.03J	N/A	*N/A*
Anthracene	N/A	ND	N/A	*N/A*
Benzo(ghi)perylene	N/A	0.04J	N/A	*N/A*
Fluorene	N/A	ND	N/A	*N/A*
Phenanthrene	N/A	0.08J	N/A	*N/A*
Dibenzo(a,h)anthracene	N/A	ND	N/A	*N/A*
Indeno(1,2,3-cd)pyrene	N/A	0.05J	N/A	*N/A*
METALS-EPA 6010D				
Analyte in mg/L (PPM)	**PES-1**	**PES-2**	**PES-3**	
Arsenic, Total	N/A	0.102	0.097	*50*
Barium, Total	N/A	3.930	2.160	*2000*
Cadmium, Total	N/A	ND	0.013J	*10*
Chromium, Total	N/A	0.324	0.327	*100*
Lead, Total	N/A	0.468	0.661	*50*
Mercury, Total	N/A	0.004	0.004	*1.4*
Selenium, Total	N/A	ND	ND	*20*
Silver, Total	N/A	ND	ND	*100*

[*1] = 6 NYCRR Part 703.6 Surface and Groundwater Quality Standards.

Laboratory analysis performed by Alpha Analytical Inc., Buffalo, NY

All results reported in ug/l (parts per billion) unless otherwise noted

j = estimated value

ND = Not detected below the laboratories method detection limit

N/A = Not Applicable/Not Available

69 Fuller Road, Albany, NY
TABLE 3

Sub slab Soil Vapor Analytical Summary

	VOCS: EPA Method TO-15Analyte in µg/m^3	SL-1	NYS DOH Guidance to MITIGATE [1]
Matrix A	Carbon tetrachloride	ND	>60
	1,1-Dichloroethane	ND	>60
	cis-1,2-Dichloroethene	2,850	>60
	Trichloroethene	7,150	>60
Matrix B	Methylene chloride	ND	>1,000
	Tetrachloroethene	119,000	>1,000
	1,1,1-Trichloroethane	ND	>1,000
Matrix C	Vinyl Chloride	ND	>60
	1,1,2,2-Tetrachloroethane	ND	
	1,1,2-Trichloroethane	ND	
	1,2,4-Trimethylbenzene	3.4	
	1,2-Dichloroethane	ND	
	1,4-Dioxane	ND	
	2-Butanone	3.2	
	Acetone	27.6	
	Benzene	1.3	
	Carbon disulfide	2.0	
	Chloroform	25.0	
	Cyclohexane	0.7	
	Dichlorodifluoromethane	2.4	
	Ethanol	26.8	
	Ethylbenzene	3.6	
	Freon-113	ND	
	Heptane	3.8	
	Isopropanol	8.8	
	Methyl tert butyl ether	ND	
	n-Hexane	1.1	
	o-Xylene	3.9	
	p/m-Xylene	11.4	
	Tertiary butyl Alcohol	ND	
	Toluene	23.7	
	trans-1,2-Dichloroethene	14.1	
	Trichlorofluoromethane	1.2	

[1] = NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, 2006, (updated May, 2017)

Laboratory analysis performed by Alpha Analytical Inc., Buffalo, NY

All results reported in ug/l (parts per billion) unless otherwise noted

j = estimated value

ND = Not detected below the laboratories method detection limit

N/A = Not Applicable/Not Available

Appendix B

Soil Borings

Former Silvestri Dry Cleaner	69 Fuller Road, Albany, NY	**Boring/Well Number: SB-1/PES-1**
Project #: 321.315	Date Drilled: Dec. 3, 2021	Date Developed: Dec. 8, 2021
Drilling Contractor: Precision Environmental Services, Inc.	Driller: M. Dudley	Geologist/Technician: W. Hennessy
Borehole Diameter (inches): 2-1/4"	TOC Elev./Depth: +1"	Total Depth of Hole: 12'
Screen Diameter (inches): 1"	Top of Screen: 2'	Length: 10'

Depth (feet)	Well Consruction	Sample Depth	PID	Sample Description and Soil Classification
1				6" Topsoil
2			0	BROWN FINE SAND
3				
4				
5				
6				BROWN FINE SAND
7	▽	7'	0	
8				
9				
10			0	BROWN FINE SAND
11				
12				END OF BORING: 12'
13				
14				
15				
16				

Former Silvestri Dry Cleaner	69 Fuller Road, Albany, NY	Boring/Well Number: SB-2
Project #: 321.315	Date Drilled: Dec. 3, 2021	Date Developed:
Drilling Contractor: Precision Environmental Services, Inc.	Driller: M. Dudley	Geologist/Technician: W. Hennessy
Borehole Diameter (inches): 2-1/4"	TOC Elev./Depth:	Total Depth of Hole: 8'
Screen Diameter (inches):	Top of Screen:	Length:

Depth (feet)	Well Consruction	Sample Depth	PID	Sample Description and Soil Classification
1				3" ASPHALT
2			0	
3				BROWN FINE SAND
4				
5				
6				BROWN FINE SAND
7	▽		0	
8				END OF BORING: 8'
9				
10				
11				
12				
13				
14				
15				
16				

Former Silvestri Dry Cleaner	69 Fuller Road, Albany, NY	Boring/Well Number: SB-3
Project #: 321.315	Date Drilled: Dec. 3, 2021	Date Developed:
Drilling Contractor: Precision Environmental Services, Inc.	Driller: M. Dudley	Geologist/Technician: W. Hennessy
Borehole Diameter (inches): 2-1/4"	TOC Elev./Depth:	Total Depth of Hole: 8'
Screen Diameter (inches):	Top of Screen:	Length:

Depth (feet)	Well Consruction	Sample Depth	PID	Sample Description and Soil Classification
1				6: TOPSOIL
2			5.6	
3				BROWN SAND
4				
5				
6				BROWN SAND AND SILT
7	▽		0	
8				END OF BORING: 8'
9				
10				
11				
12				
13				
14				
15				
16				

Former Silvestri Dry Cleaner	69 Fuller Road, Albany, NY	Boring/Well Number: SB-4
Project #: 321.315	Date Drilled: Dec. 3, 2021	Date Developed:
Drilling Contractor: Precision Environmental Services, Inc.	Driller: M. Dudley	Geologist/Technician: W. Hennessy
Borehole Diameter (inches): 2-1/4"	TOC Elev./Depth:	Total Depth of Hole: 8'
Screen Diameter (inches):	Top of Screen:	Length:

Depth (feet)	Well Consruction	Sample Depth	PID	Sample Description and Soil Classification
1				6: TOPSOIL
2			0	
3				BROWN MED SAND
4				
5				BROWN FINE SAND
6				
7		7'	0	
8				
9				
10	▽		0	BROWN FINE SAND
11				BROWN FINE SAND W/ SILT
12				END OF BORING: 12'
13				
14				
15				
16				

Former Silvestri Dry Cleaner	69 Fuller Road, Albany, NY	Boring/Well Number: SB-5
Project #: 321.315	Date Drilled: Dec. 3, 2021	Date Developed:
Drilling Contractor: Precision Environmental Services, Inc.	Driller: M. Dudley	Geologist/Technician: W. Hennessy
Borehole Diameter (inches): 2-1/4"	TOC Elev./Depth:	Total Depth of Hole: 8'
Screen Diameter (inches):	Top of Screen:	Length:

Depth (feet)	Well Consruction	Sample Depth	PID	Sample Description and Soil Classification
1				1" ASPHALT
2			0	
3				BROWN FINE SAND
4				
5				
6				BROWN FINE SAND
7	▽	7'	0	
8				END OF BORING: 8'
9				
10				
11				
12				
13				
14				
15				
16				

Former Silvestri Dry Cleaner	69 Fuller Road, Albany, NY	Boring/Well Number: SB-6/PES-3
Project #: 321.315	Date Drilled: Dec. 3, 2021	Date Developed: Dec. 8, 2021
Drilling Contractor: Precision Environmental Services, Inc.	Driller: M. Dudley	Geologist/Technician: W. Hennessy
Borehole Diameter (inches): 2-1/4"	TOC Elev./Depth: -1"	Total Depth of Hole: 16'
Screen Diameter (inches): 1"	Top of Screen: 6'	Length: 10'

Depth (feet)	Well Consruction	Sample Depth	PID	Sample Description and Soil Classification
1				2" ASPHALT
2			0	BROWN FINE SAND
3				
4				
5				BROWN FINE SAND
6				
7			1.1	
8				
9				
10	▽	9'	3.1	BROWN FINE SAND
11				
12				
13				
14			0	BROWN FINE SAND
15				
16				END OF BORING: 16'

Former Silvestri Dry Cleaner	69 Fuller Road, Albany, NY	Boring/Well Number: SB-7/PES-2
Project #: 321.315	Date Drilled: Dec. 3, 2021	Date Developed: Dec. 8, 2021
Drilling Contractor: Precision Environmental Services, Inc.	Driller: M. Dudley	Geologist/Technician: W. Hennessy
Borehole Diameter (inches): 2-1/4"	TOC Elev./Depth: -1"	Total Depth of Hole: 12'
Screen Diameter (inches): 1"	Top of Screen: 2'	Length: 10'

Depth (feet)	Well Consruction	Sample Depth	PID	Sample Description and Soil Classification
1				2" ASPHALT
2			4.4	BROWN FINE SAND
3				
4				
5				
6				BROWN FINE SAND
7			6.2	
8				
9				
10			0.8	BROWN FINE SAND
11	▽			
12				END OF BORING: 12'
13				
14				
15				
16				

Appendix C

Analytical

ANALYTICAL REPORT

Lab Number:	L2167545
Client:	Hennessy Engineering & Consulting PO Box 118 Voorheesville, NY 12186
ATTN:	William Hennessy
Phone:	(518) 475-1670
Project Name:	SILVESTRI DRY CLEANERS
Project Number:	Not Specified
Report Date:	12/23/21

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2167545-01	PES-2	WATER	69 FULLER ROAD ALBANY	12/08/21 14:00	12/08/21
L2167545-02	PES-3	WATER	69 FULLER ROAD ALBANY	12/08/21 14:20	12/08/21
L2167545-03	TRIP BLANK	WATER	69 FULLER ROAD ALBANY	12/08/21 00:00	12/08/21

Project Name:	SILVESTRI DRY CLEANERS	**Lab Number:**	L2167545
Project Number:	Not Specified	**Report Date:**	12/23/21

Case Narrative

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

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

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

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

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

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

Project Name:	SILVESTRI DRY CLEANERS	**Lab Number:**	L2167545
Project Number:	Not Specified	**Report Date:**	12/23/21

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2167545-02: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO3 to a pH <2.

L2167545-03: A sample identified as "TRIP BLANK" was received, but not listed on the Chain of Custody. This sample was analyzed.

Volatile Organics

L2167545-01: The sample was received in the proper acid-preserved containers; however, upon analysis, the pH was determined to be greater than 2, and thus the method required holding time was exceeded.

Semivolatile Organics

L2167545-01: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix. The container was not rinsed as prescribed by the method.

Semivolatile Organics by SIM

L2167545-01: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

Total Metals

L2167545-01 and -02: The sample has elevated detection limits for all elements due to the prep dilution required by the sample matrix.

L2167545-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 12/23/21

ORGANICS

VOLATILES

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-01
Client ID: PES-2
Sample Location: 69 FULLER ROAD ALBANY

Date Collected: 12/08/21 14:00
Date Received: 12/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/19/21 00:56
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	20		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-01 Date Collected: 12/08/21 14:00

Client ID: PES-2 Date Received: 12/08/21

Sample Location: 69 FULLER ROAD ALBANY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	108		70-130

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-02 D
Client ID: PES-3
Sample Location: 69 FULLER ROAD ALBANY

Date Collected: 12/08/21 14:20
Date Received: 12/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/19/21 00:32
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12	3.5	5
1,1-Dichloroethane	ND		ug/l	12	3.5	5
Chloroform	ND		ug/l	12	3.5	5
Carbon tetrachloride	ND		ug/l	2.5	0.67	5
1,2-Dichloropropane	ND		ug/l	5.0	0.68	5
Dibromochloromethane	ND		ug/l	2.5	0.74	5
1,1,2-Trichloroethane	ND		ug/l	7.5	2.5	5
Tetrachloroethene	550		ug/l	2.5	0.90	5
Chlorobenzene	ND		ug/l	12	3.5	5
Trichlorofluoromethane	ND		ug/l	12	3.5	5
1,2-Dichloroethane	ND		ug/l	2.5	0.66	5
1,1,1-Trichloroethane	ND		ug/l	12	3.5	5
Bromodichloromethane	ND		ug/l	2.5	0.96	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	0.82	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	0.72	5
Bromoform	ND		ug/l	10	3.2	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.84	5
Benzene	ND		ug/l	2.5	0.80	5
Toluene	ND		ug/l	12	3.5	5
Ethylbenzene	ND		ug/l	12	3.5	5
Chloromethane	ND		ug/l	12	3.5	5
Bromomethane	ND		ug/l	12	3.5	5
Vinyl chloride	ND		ug/l	5.0	0.36	5
Chloroethane	ND		ug/l	12	3.5	5
1,1-Dichloroethene	ND		ug/l	2.5	0.84	5
trans-1,2-Dichloroethene	ND		ug/l	12	3.5	5
Trichloroethene	6.7		ug/l	2.5	0.88	5
1,2-Dichlorobenzene	ND		ug/l	12	3.5	5

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-02 D Date Collected: 12/08/21 14:20

Client ID: PES-3 Date Received: 12/08/21

Sample Location: 69 FULLER ROAD ALBANY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	12	3.5	5
1,4-Dichlorobenzene	ND		ug/l	12	3.5	5
Methyl tert butyl ether	ND		ug/l	12	3.5	5
p/m-Xylene	ND		ug/l	12	3.5	5
o-Xylene	ND		ug/l	12	3.5	5
cis-1,2-Dichloroethene	12		ug/l	12	3.5	5
Styrene	ND		ug/l	12	3.5	5
Dichlorodifluoromethane	ND		ug/l	25	5.0	5
Acetone	ND		ug/l	25	7.3	5
Carbon disulfide	ND		ug/l	25	5.0	5
2-Butanone	ND		ug/l	25	9.7	5
4-Methyl-2-pentanone	ND		ug/l	25	5.0	5
2-Hexanone	ND		ug/l	25	5.0	5
Bromochloromethane	ND		ug/l	12	3.5	5
1,2-Dibromoethane	ND		ug/l	10	3.2	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	3.5	5
Isopropylbenzene	ND		ug/l	12	3.5	5
1,2,3-Trichlorobenzene	ND		ug/l	12	3.5	5
1,2,4-Trichlorobenzene	ND		ug/l	12	3.5	5
Methyl Acetate	ND		ug/l	10	1.2	5
Cyclohexane	ND		ug/l	50	1.4	5
1,4-Dioxane	ND		ug/l	1200	300	5
Freon-113	ND		ug/l	12	3.5	5
Methyl cyclohexane	ND		ug/l	50	2.0	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-03
Client ID: TRIP BLANK
Sample Location: 69 FULLER ROAD ALBANY

Date Collected: 12/08/21 00:00
Date Received: 12/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 12/22/21 13:53
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-03 Date Collected: 12/08/21 00:00

Client ID: TRIP BLANK Date Received: 12/08/21

Sample Location: 69 FULLER ROAD ALBANY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.2	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	116		70-130

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/18/21 19:43
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1585226-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/18/21 19:43
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1585226-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified
Lab Number: L2167545
Report Date: 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/18/21 19:43
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1585226-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	109		70-130

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/22/21 08:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1586757-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/22/21 08:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1586757-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified
Lab Number: L2167545
Report Date: 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/22/21 08:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1586757-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	112		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS

Project Number: Not Specified

Lab Number: L2167545

Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1585226-3 WG1585226-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		110		70-130	10		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	95		93		63-130	2		20
1,1,2-Trichloroethane	94		96		70-130	2		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	98		100		75-130	2		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	100		99		70-130	1		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	95		96		67-130	1		20
trans-1,3-Dichloropropene	88		89		70-130	1		20
cis-1,3-Dichloropropene	98		98		70-130	0		20
Bromoform	77		78		54-136	1		20
1,1,2,2-Tetrachloroethane	97		96		67-130	1		20
Benzene	100		100		70-130	0		20
Toluene	99		100		70-130	1		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	98		100		64-130	2		20
Bromomethane	67		70		39-139	4		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1585226-3 WG1585226-4								
Chloroethane	100		110		55-138	10		20
1,1-Dichloroethene	100		110		61-145	10		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	97		100		70-130	3		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	98		100		70-130	2		20
Methyl tert butyl ether	88		87		63-130	1		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	88		93		58-148	6		20
Carbon disulfide	100		110		51-130	10		20
2-Butanone	94		96		63-138	2		20
4-Methyl-2-pentanone	73		76		59-130	4		20
2-Hexanone	80		80		57-130	0		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	93		91		70-130	2		20
1,2-Dibromo-3-chloropropane	80		74		41-144	8		20
Isopropylbenzene	100		110		70-130	10		20
1,2,3-Trichlorobenzene	92		96		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS

Project Number: Not Specified

Lab Number: L2167545

Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1585226-3 WG1585226-4								
1,2,4-Trichlorobenzene	94		98		70-130	4		20
Methyl Acetate	86		88		70-130	2		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	86		92		56-162	7		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	100		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1586757-3 WG1586757-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	89		94		63-132	5		20
1,2-Dichloropropane	110		120		70-130	9		20
Dibromochloromethane	91		97		63-130	6		20
1,1,2-Trichloroethane	94		100		70-130	6		20
Tetrachloroethene	98		100		70-130	2		20
Chlorobenzene	100		110		75-130	10		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	95		97		67-130	2		20
Bromodichloromethane	92		96		67-130	4		20
trans-1,3-Dichloropropene	83		90		70-130	8		20
cis-1,3-Dichloropropene	89		93		70-130	4		20
Bromoform	82		89		54-136	8		20
1,1,2,2-Tetrachloroethane	93		100		67-130	7		20
Benzene	100		100		70-130	0		20
Toluene	100		110		70-130	10		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	130		130		64-130	0		20
Bromomethane	90		78		39-139	14		20
Vinyl chloride	130		130		55-140	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1586757-3 WG1586757-4								
Chloroethane	120		130		55-138	8		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	98		100		70-130	2		20
1,2-Dichlorobenzene	96		100		70-130	4		20
1,3-Dichlorobenzene	97		100		70-130	3		20
1,4-Dichlorobenzene	96		100		70-130	4		20
Methyl tert butyl ether	90		100		63-130	11		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	100		110		58-148	10		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	94		110		63-138	16		20
4-Methyl-2-pentanone	88		100		59-130	13		20
2-Hexanone	95		110		57-130	15		20
Bromochloromethane	100		100		70-130	0		20
1,2-Dibromoethane	91		99		70-130	8		20
1,2-Dibromo-3-chloropropane	75		86		41-144	14		20
Isopropylbenzene	100		110		70-130	10		20
1,2,3-Trichlorobenzene	84		93		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS

Project Number: Not Specified

Lab Number: L2167545

Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1586757-3 WG1586757-4								
1,2,4-Trichlorobenzene	85		93		70-130	9		20
Methyl Acetate	100		110		70-130	10		20
Cyclohexane	130		130		70-130	0		20
1,4-Dioxane	92		96		56-162	4		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	94		97		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	103		103		70-130

SEMIVOLATILES

Project Name: SILVESTRI DRY CLEANERS
Lab Number: L2167545
Project Number: Not Specified
Report Date: 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-01
Client ID: PES-2
Sample Location: 69 FULLER ROAD ALBANY

Date Collected: 12/08/21 14:00
Date Received: 12/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 12/16/21 01:05
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/13/21 15:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Bis(2-chloroethyl)ether	ND		ug/l	4.2	1.1	1
3,3'-Dichlorobenzidine	ND		ug/l	11	3.4	1
2,4-Dinitrotoluene	ND		ug/l	11	2.5	1
2,6-Dinitrotoluene	ND		ug/l	11	2.0	1
4-Chlorophenyl phenyl ether	ND		ug/l	4.2	1.0	1
4-Bromophenyl phenyl ether	ND		ug/l	4.2	0.80	1
Bis(2-chloroisopropyl)ether	ND		ug/l	4.2	1.1	1
Bis(2-chloroethoxy)methane	ND		ug/l	11	1.1	1
Hexachlorocyclopentadiene	ND		ug/l	42	1.4	1
Isophorone	ND		ug/l	11	2.5	1
Nitrobenzene	ND		ug/l	4.2	1.6	1
NDPA/DPA	ND		ug/l	4.2	0.88	1
n-Nitrosodi-n-propylamine	ND		ug/l	11	1.4	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	6.3	3.2	1
Butyl benzyl phthalate	ND		ug/l	11	2.5	1
Di-n-butylphthalate	ND		ug/l	11	0.82	1
Di-n-octylphthalate	ND		ug/l	11	2.7	1
Diethyl phthalate	ND		ug/l	11	0.81	1
Dimethyl phthalate	ND		ug/l	11	3.8	1
Biphenyl	ND		ug/l	4.2	0.97	1
4-Chloroaniline	ND		ug/l	11	2.3	1
2-Nitroaniline	ND		ug/l	11	1.0	1
3-Nitroaniline	ND		ug/l	11	1.7	1
4-Nitroaniline	ND		ug/l	11	1.7	1
Dibenzofuran	ND		ug/l	4.2	1.0	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	21	0.93	1
Acetophenone	ND		ug/l	11	1.1	1
2,4,6-Trichlorophenol	ND		ug/l	11	1.3	1

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-01 Date Collected: 12/08/21 14:00

Client ID: PES-2 Date Received: 12/08/21

Sample Location: 69 FULLER ROAD ALBANY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
p-Chloro-m-cresol	ND		ug/l	4.2	0.74	1
2-Chlorophenol	ND		ug/l	4.2	1.0	1
2,4-Dichlorophenol	ND		ug/l	11	0.87	1
2,4-Dimethylphenol	ND		ug/l	11	3.8	1
2-Nitrophenol	ND		ug/l	21	1.8	1
4-Nitrophenol	ND		ug/l	21	1.4	1
2,4-Dinitrophenol	ND		ug/l	42	14.	1
4,6-Dinitro-o-cresol	ND		ug/l	21	3.8	1
Phenol	ND		ug/l	11	1.2	1
2-Methylphenol	ND		ug/l	11	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	11	1.0	1
2,4,5-Trichlorophenol	ND		ug/l	11	1.6	1
Carbazole	ND		ug/l	4.2	1.0	1
Atrazine	ND		ug/l	21	1.6	1
Benzaldehyde	ND		ug/l	11	1.1	1
Caprolactam	ND		ug/l	21	6.9	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	11	1.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	68		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	83		41-149

Project Name: SILVESTRI DRY CLEANERS
Lab Number: L2167545
Project Number: Not Specified
Report Date: 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-01
Client ID: PES-2
Sample Location: 69 FULLER ROAD ALBANY

Date Collected: 12/08/21 14:00
Date Received: 12/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 12/19/21 15:28
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 12/13/21 15:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.21	0.03	1
2-Chloronaphthalene	ND		ug/l	0.42	0.04	1
Fluoranthene	ND		ug/l	0.21	0.04	1
Hexachlorobutadiene	ND		ug/l	1.0	0.10	1
Naphthalene	ND		ug/l	0.21	0.10	1
Benzo(a)anthracene	0.06	J	ug/l	0.21	0.04	1
Benzo(a)pyrene	0.04	J	ug/l	0.21	0.03	1
Benzo(b)fluoranthene	0.06	J	ug/l	0.21	0.02	1
Benzo(k)fluoranthene	0.03	J	ug/l	0.21	0.02	1
Chrysene	0.03	J	ug/l	0.21	0.03	1
Acenaphthylene	0.03	J	ug/l	0.21	0.03	1
Anthracene	ND		ug/l	0.21	0.03	1
Benzo(ghi)perylene	0.04	J	ug/l	0.21	0.03	1
Fluorene	ND		ug/l	0.21	0.03	1
Phenanthrene	0.08	J	ug/l	0.21	0.05	1
Dibenzo(a,h)anthracene	ND		ug/l	0.21	0.03	1
Indeno(1,2,3-cd)pyrene	0.05	J	ug/l	0.21	0.03	1
Pyrene	ND		ug/l	0.21	0.04	1
2-Methylnaphthalene	ND		ug/l	0.21	0.05	1
Pentachlorophenol	ND		ug/l	1.7	0.03	1
Hexachlorobenzene	ND		ug/l	1.7	0.02	1
Hexachloroethane	ND		ug/l	1.7	0.13	1

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-01 Date Collected: 12/08/21 14:00

Client ID: PES-2 Date Received: 12/08/21

Sample Location: 69 FULLER ROAD ALBANY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	90		41-149

Project Name: SILVESTRI DRY CLEANERS **Lab Number:** L2167545

Project Number: Not Specified **Report Date:** 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/15/21 19:42
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/13/21 15:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1582698-1					
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Isophorone	ND		ug/l	5.0	1.2
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified
Lab Number: L2167545
Report Date: 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/15/21 19:42
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 12/13/21 15:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1582698-1					
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	56		10-120
4-Terphenyl-d14	73		41-149

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified
Lab Number: L2167545
Report Date: 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/17/21 18:42
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/13/21 15:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1582699-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified
Lab Number: L2167545
Report Date: 12/23/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 12/17/21 18:42
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 12/13/21 15:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01 Batch: WG1582699-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	81		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1582698-2 WG1582698-3								
Bis(2-chloroethyl)ether	68		66		40-140	3		30
3,3'-Dichlorobenzidine	58		63		40-140	8		30
2,4-Dinitrotoluene	62		64		48-143	3		30
2,6-Dinitrotoluene	58		58		40-140	0		30
4-Chlorophenyl phenyl ether	60		60		40-140	0		30
4-Bromophenyl phenyl ether	58		59		40-140	2		30
Bis(2-chloroisopropyl)ether	63		60		40-140	5		30
Bis(2-chloroethoxy)methane	69		67		40-140	3		30
Hexachlorocyclopentadiene	**34**	Q	**34**	Q	40-140	0		30
Isophorone	69		64		40-140	8		30
Nitrobenzene	67		59		40-140	13		30
NDPA/DPA	67		68		40-140	1		30
n-Nitrosodi-n-propylamine	65		63		29-132	3		30
Bis(2-ethylhexyl)phthalate	69		84		40-140	20		30
Butyl benzyl phthalate	68		81		40-140	17		30
Di-n-butylphthalate	69		76		40-140	10		30
Di-n-octylphthalate	71		84		40-140	17		30
Diethyl phthalate	65		67		40-140	3		30
Dimethyl phthalate	59		58		40-140	2		30
Biphenyl	66		63		40-140	5		30
4-Chloroaniline	75		63		40-140	17		30
2-Nitroaniline	66		66		52-143	0		30
3-Nitroaniline	61		64		25-145	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1582698-2 WG1582698-3								
4-Nitroaniline	63		68		51-143	8		30
Dibenzofuran	64		65		40-140	2		30
1,2,4,5-Tetrachlorobenzene	54		50		2-134	8		30
Acetophenone	76		66		39-129	14		30
2,4,6-Trichlorophenol	56		55		30-130	2		30
p-Chloro-m-cresol	76		75		23-97	1		30
2-Chlorophenol	70		67		27-123	4		30
2,4-Dichlorophenol	67		69		30-130	3		30
2,4-Dimethylphenol	74		64		30-130	14		30
2-Nitrophenol	66		67		30-130	2		30
4-Nitrophenol	55		58		10-80	5		30
2,4-Dinitrophenol	47		43		20-130	9		30
4,6-Dinitro-o-cresol	57		53		20-164	7		30
Phenol	56		49		12-110	13		30
2-Methylphenol	74		69		30-130	7		30
3-Methylphenol/4-Methylphenol	74		69		30-130	7		30
2,4,5-Trichlorophenol	57		59		30-130	3		30
Carbazole	72		77		55-144	7		30
Atrazine	72		79		40-140	9		30
Benzaldehyde	71		65		40-140	9		30
Caprolactam	36		33		10-130	9		30
2,3,4,6-Tetrachlorophenol	58		60		40-140	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS

Project Number: Not Specified

Lab Number: L2167545

Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1582698-2 WG1582698-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		57		21-120
Phenol-d6	55		49		10-120
Nitrobenzene-d5	68		66		23-120
2-Fluorobiphenyl	59		56		15-120
2,4,6-Tribromophenol	62		66		10-120
4-Terphenyl-d14	73		77		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS

Project Number: Not Specified

Lab Number: L2167545

Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1582699-2 WG1582699-3								
Acenaphthene	77		81		40-140	5		40
2-Chloronaphthalene	83		84		40-140	1		40
Fluoranthene	86		91		40-140	6		40
Hexachlorobutadiene	69		67		40-140	3		40
Naphthalene	75		77		40-140	3		40
Benzo(a)anthracene	80		85		40-140	6		40
Benzo(a)pyrene	87		92		40-140	6		40
Benzo(b)fluoranthene	90		93		40-140	3		40
Benzo(k)fluoranthene	90		97		40-140	7		40
Chrysene	82		87		40-140	6		40
Acenaphthylene	91		94		40-140	3		40
Anthracene	81		87		40-140	7		40
Benzo(ghi)perylene	79		83		40-140	5		40
Fluorene	82		88		40-140	7		40
Phenanthrene	78		83		40-140	6		40
Dibenzo(a,h)anthracene	82		87		40-140	6		40
Indeno(1,2,3-cd)pyrene	84		89		40-140	6		40
Pyrene	87		91		40-140	4		40
2-Methylnaphthalene	80		82		40-140	2		40
Pentachlorophenol	66		68		40-140	3		40
Hexachlorobenzene	76		80		40-140	5		40
Hexachloroethane	66		65		40-140	2		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS

Project Number: Not Specified

Lab Number: L2167545

Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01 Batch: WG1582699-2 WG1582699-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		63		21-120
Phenol-d6	50		50		10-120
Nitrobenzene-d5	82		84		23-120
2-Fluorobiphenyl	86		88		15-120
2,4,6-Tribromophenol	101		105		10-120
4-Terphenyl-d14	91		94		41-149

METALS

Project Name: SILVESTRI DRY CLEANERS
Lab Number: L2167545
Project Number: Not Specified
Report Date: 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-01
Client ID: PES-2
Sample Location: 69 FULLER ROAD ALBANY
Date Collected: 12/08/21 14:00
Date Received: 12/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.102		mg/l	0.100	0.038	10	12/19/21 11:34	12/21/21 17:02	EPA 3005A	1,6010D	EW
Barium, Total	3.93		mg/l	0.200	0.042	10	12/19/21 11:34	12/21/21 17:02	EPA 3005A	1,6010D	EW
Cadmium, Total	ND		mg/l	0.100	0.020	10	12/19/21 11:34	12/21/21 17:02	EPA 3005A	1,6010D	EW
Chromium, Total	0.324		mg/l	0.200	0.042	10	12/19/21 11:34	12/21/21 17:02	EPA 3005A	1,6010D	EW
Lead, Total	0.468		mg/l	0.200	0.054	10	12/19/21 11:34	12/21/21 17:02	EPA 3005A	1,6010D	EW
Mercury, Total	0.00388		mg/l	0.00100	0.00045	1	12/19/21 12:36	12/20/21 09:35	EPA 7470A	1,7470A	AC
Selenium, Total	ND		mg/l	0.200	0.070	10	12/19/21 11:34	12/21/21 17:02	EPA 3005A	1,6010D	EW
Silver, Total	ND		mg/l	0.140	0.056	10	12/19/21 11:34	12/21/21 17:02	EPA 3005A	1,6010D	EW

Project Name: SILVESTRI DRY CLEANERS
Lab Number: L2167545
Project Number: Not Specified
Report Date: 12/23/21

SAMPLE RESULTS

Lab ID: L2167545-02
Client ID: PES-3
Sample Location: 69 FULLER ROAD ALBANY
Date Collected: 12/08/21 14:20
Date Received: 12/08/21
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.097		mg/l	0.050	0.019	5	12/19/21 11:34	12/21/21 17:07	EPA 3005A	1,6010D	EW
Barium, Total	2.16		mg/l	0.100	0.021	5	12/19/21 11:34	12/21/21 17:07	EPA 3005A	1,6010D	EW
Cadmium, Total	0.013	J	mg/l	0.050	0.010	5	12/19/21 11:34	12/21/21 17:07	EPA 3005A	1,6010D	EW
Chromium, Total	0.327		mg/l	0.100	0.021	5	12/19/21 11:34	12/21/21 17:07	EPA 3005A	1,6010D	EW
Lead, Total	0.661		mg/l	0.100	0.027	5	12/19/21 11:34	12/21/21 17:07	EPA 3005A	1,6010D	EW
Mercury, Total	0.00359		mg/l	0.00100	0.00045	1	12/19/21 12:36	12/20/21 09:38	EPA 7470A	1,7470A	AC
Selenium, Total	ND		mg/l	0.100	0.035	5	12/19/21 11:34	12/21/21 17:07	EPA 3005A	1,6010D	EW
Silver, Total	ND		mg/l	0.070	0.028	5	12/19/21 11:34	12/21/21 17:07	EPA 3005A	1,6010D	EW

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified
Lab Number: L2167545
Report Date: 12/23/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1584774-1										
Arsenic, Total	ND		mg/l	0.005	0.002	1	12/19/21 11:34	12/21/21 15:08	1,6010D	EW
Barium, Total	ND		mg/l	0.010	0.002	1	12/19/21 11:34	12/21/21 15:08	1,6010D	EW
Cadmium, Total	ND		mg/l	0.005	0.001	1	12/19/21 11:34	12/21/21 15:08	1,6010D	EW
Chromium, Total	ND		mg/l	0.010	0.002	1	12/19/21 11:34	12/21/21 15:08	1,6010D	EW
Lead, Total	ND		mg/l	0.010	0.003	1	12/19/21 11:34	12/21/21 15:08	1,6010D	EW
Selenium, Total	ND		mg/l	0.010	0.004	1	12/19/21 11:34	12/21/21 15:08	1,6010D	EW
Silver, Total	ND		mg/l	0.007	0.003	1	12/19/21 11:34	12/21/21 15:08	1,6010D	EW

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1584775-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	12/19/21 12:36	12/20/21 09:08	1,7470A	AC

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS

Project Number: Not Specified

Lab Number: L2167545

Report Date: 12/23/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1584774-2								
Arsenic, Total	107		-		80-120	-		
Barium, Total	101		-		80-120	-		
Cadmium, Total	101		-		80-120	-		
Chromium, Total	101		-		80-120	-		
Lead, Total	100		-		80-120	-		
Selenium, Total	104		-		80-120	-		
Silver, Total	101		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1584775-2								
Mercury, Total	98		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1584774-3 QC Sample: L2166931-01 Client ID: MS Sample												
Arsenic, Total	ND	0.12	0.130	108		-	-		75-125	-		20
Barium, Total	0.007J	2	2.05	102		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.054	102		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.203	102		-	-		75-125	-		20
Lead, Total	ND	0.53	0.536	101		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.129	108		-	-		75-125	-		20
Silver, Total	ND	0.05	0.052	103		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1584775-3 QC Sample: L2167542-02 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00473	95		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1584774-4 QC Sample: L2166931-01 Client ID: DUP Sample						
Arsenic, Total	ND	ND	mg/l	NC		20
Barium, Total	0.007J	0.006J	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1584775-4 QC Sample: L2167542-02 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: SILVESTRI DRY CLEANERS
Project Number: Not Specified

Lab Number: L2167545
Report Date: 12/23/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2167545-01A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2167545-01B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2167545-01C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2167545-01D	Plastic 250ml HNO3 preserved	A	<2	<2	2.4	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2167545-01E	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2167545-01F	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2167545-02A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2167545-02B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2167545-02C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2167545-02D	Plastic 250ml HNO3 preserved	A	6	<2	2.4	N	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2167545-03A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L2167545-03B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	SILVESTRI DRY CLEANERS	**Lab Number:**	L2167545
Project Number:	Not Specified	**Report Date:**	12/23/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SILVESTRI DRY CLEANERS	**Lab Number:**	L2167545
Project Number:	Not Specified	**Report Date:**	12/23/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SILVESTRI DRY CLEANERS	**Lab Number:**	L2167545
Project Number:	Not Specified	**Report Date:**	12/23/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	SILVESTRI DRY CLEANERS	**Lab Number:**	L2167545
Project Number:	Not Specified	**Report Date:**	12/23/21

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of

Date Rec'd in Lab: 12/9/21

ALPHA Job #: L2167545

Client Information
Client: Hennessy Engineering
Address: P.O. Box 118
Voorheesville, NY 12186
Phone: 518-813-3597
Fax:
Email: Bill@hennessyec.com

Project Information
Project Name: Silvestri Dry Cleaners
Project Location: 69 Fuller Road albany
Project #
(Use Project name as Project #) ☐
Project Manager: Bill Hennessy
ALPHAQuote #:

Turn-Around Time
Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☑ EQuIS (4 File)
☐ Other

Regulatory Requirement
☑ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
cc Bill@hennessyec.com and Kballou@pesnyinc.com on sample results

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs by 8260 TOGS	sVOCs by 8270 TOGS	RCRA 8 Total Metals	Sample Specific Comments	Total Bottle
	PES-1			GW		X	X	X		
67545-01	PES-2	12-8-21	2:00 pm	GW		X	X	X		
-02	PES-3	12-8-21	2:20 pm	GW		X	X	X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

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

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
	12-8-21 14:40		12/8/21 14:40
	12/8/21 14:40		12/9/21 0230

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2166628
Client:	Hennessy Engineering & Consulting PO Box 118 Voorheesville, NY 12186
ATTN:	William Hennessy
Phone:	(518) 475-1670
Project Name:	SILVESTRI
Project Number:	Not Specified
Report Date:	12/07/21

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

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Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2166628-01	SL-1	SOIL_VAPOR	ALBANY NY	12/03/21 10:30	12/03/21

Project Name:	SILVESTRI	**Lab Number:**	L2166628
Project Number:	Not Specified	**Report Date:**	12/07/21

Case Narrative

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

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

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

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

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

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

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

Case Narrative (continued)

Volatile Organics in Air

L2166628-01: The sample was re-analyzed on dilution in order to quantitate the results within the calibration range. The result(s) should be considered estimated, and are qualified with an E flag, for any compound(s) that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound(s) that exceeded the calibration range.

L2166628-01D: The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

The WG1579810-3 LCS recovery for 1,2,4-trichlorobenzene (138%) is above the upper 130% acceptance limit. All samples associated with this LCS do not have reportable amounts of this analyte.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 12/07/21

AIR

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2166628-01
Client ID: SL-1
Sample Location: ALBANY NY

Date Collected: 12/03/21 10:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/07/21 01:38
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.481	0.200	--	2.38	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	14.2	5.00	--	26.8	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.6	1.00	--	27.6	2.38	--		1
Trichlorofluoromethane	0.211	0.200	--	1.19	1.12	--		1
Isopropanol	3.56	0.500	--	8.75	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.629	0.200	--	1.96	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	3.56	0.200	--	14.1	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.08	0.500	--	3.19	1.47	--		1
cis-1,2-Dichloroethene	400	0.200	--	1590	0.793	--	E	1

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2166628-01
Client ID: SL-1
Sample Location: ALBANY NY

Date Collected: 12/03/21 10:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	5.12	0.200	--	25.0	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.306	0.200	--	1.08	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.415	0.200	--	1.33	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.213	0.200	--	0.733	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	500	0.200	--	2690	1.07	--	E	1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	0.923	0.200	--	3.78	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	6.28	0.200	--	23.7	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1100	0.200	--	7460	1.36	--	E	1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.818	0.200	--	3.55	0.869	--		1

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2166628-01
Client ID: SL-1
Sample Location: ALBANY NY

Date Collected: 12/03/21 10:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
p/m-Xylene	2.62	0.400	--	11.4	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.895	0.200	--	3.89	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.694	0.200	--	3.41	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	107		60-140
Bromochloromethane	106		60-140
chlorobenzene-d5	108		60-140

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

SAMPLE RESULTS

Lab ID: L2166628-01 D
Client ID: SL-1
Sample Location: ALBANY NY

Date Collected: 12/03/21 10:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/07/21 08:39
Analyst: TS

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
cis-1,2-Dichloroethene	718	66.7	--	2850	264	--		333.3
Trichloroethene	1330	66.7	--	7150	358	--		333.3
Tetrachloroethene	17600	66.7	--	119000	452	--		333.3

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	108		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	105		60-140

Project Name: SILVESTRI
Project Number: Not Specified
Lab Number: L2166628
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/06/21 19:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1579810-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: SILVESTRI
Project Number: Not Specified
Lab Number: L2166628
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/06/21 19:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1579810-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: SILVESTRI
Project Number: Not Specified
Lab Number: L2166628
Report Date: 12/07/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 12/06/21 19:35

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG1579810-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1579810-3								
Dichlorodifluoromethane	96		-		70-130	-		
Chloromethane	105		-		70-130	-		
Freon-114	100		-		70-130	-		
Vinyl chloride	84		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Bromomethane	86		-		70-130	-		
Chloroethane	86		-		70-130	-		
Ethanol	92		-		40-160	-		
Vinyl bromide	93		-		70-130	-		
Acetone	108		-		40-160	-		
Trichlorofluoromethane	95		-		70-130	-		
Isopropanol	105		-		40-160	-		
1,1-Dichloroethene	88		-		70-130	-		
Tertiary butyl Alcohol	87		-		70-130	-		
Methylene chloride	110		-		70-130	-		
3-Chloropropene	97		-		70-130	-		
Carbon disulfide	97		-		70-130	-		
Freon-113	96		-		70-130	-		
trans-1,2-Dichloroethene	80		-		70-130	-		
1,1-Dichloroethane	86		-		70-130	-		
Methyl tert butyl ether	96		-		70-130	-		
2-Butanone	100		-		70-130	-		
cis-1,2-Dichloroethene	85		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1579810-3								
Ethyl Acetate	84		-		70-130	-		
Chloroform	91		-		70-130	-		
Tetrahydrofuran	96		-		70-130	-		
1,2-Dichloroethane	82		-		70-130	-		
n-Hexane	93		-		70-130	-		
1,1,1-Trichloroethane	102		-		70-130	-		
Benzene	98		-		70-130	-		
Carbon tetrachloride	102		-		70-130	-		
Cyclohexane	92		-		70-130	-		
1,2-Dichloropropane	100		-		70-130	-		
Bromodichloromethane	100		-		70-130	-		
1,4-Dioxane	97		-		70-130	-		
Trichloroethene	105		-		70-130	-		
2,2,4-Trimethylpentane	95		-		70-130	-		
Heptane	117		-		70-130	-		
cis-1,3-Dichloropropene	116		-		70-130	-		
4-Methyl-2-pentanone	119		-		70-130	-		
trans-1,3-Dichloropropene	100		-		70-130	-		
1,1,2-Trichloroethane	109		-		70-130	-		
Toluene	97		-		70-130	-		
2-Hexanone	123		-		70-130	-		
Dibromochloromethane	112		-		70-130	-		
1,2-Dibromoethane	114		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG1579810-3								
Tetrachloroethene	111		-		70-130	-		
Chlorobenzene	107		-		70-130	-		
Ethylbenzene	106		-		70-130	-		
p/m-Xylene	108		-		70-130	-		
Bromoform	119		-		70-130	-		
Styrene	114		-		70-130	-		
1,1,2,2-Tetrachloroethane	113		-		70-130	-		
o-Xylene	111		-		70-130	-		
4-Ethyltoluene	109		-		70-130	-		
1,3,5-Trimethylbenzene	125		-		70-130	-		
1,2,4-Trimethylbenzene	118		-		70-130	-		
Benzyl chloride	111		-		70-130	-		
1,3-Dichlorobenzene	124		-		70-130	-		
1,4-Dichlorobenzene	115		-		70-130	-		
1,2-Dichlorobenzene	119		-		70-130	-		
1,2,4-Trichlorobenzene	**138**	Q	-		70-130	-		
Hexachlorobutadiene	121		-		70-130	-		

Project Name: SILVESTRI
Project Number: Not Specified

Lab Number: L2166628
Report Date: 12/07/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2166628-01A	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)
L2166628-01X	Tedlar Bag 5 liter-Polypropylene Fitting	NA	NA			Y	Absent		TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	SILVESTRI	**Lab Number:**	L2166628
Project Number:	Not Specified	**Report Date:**	12/07/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	SILVESTRI	**Lab Number:**	L2166628
Project Number:	Not Specified	**Report Date:**	12/07/21

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: Data Usability Report

Project Name:	SILVESTRI	**Lab Number:**	L2166628
Project Number:	Not Specified	**Report Date:**	12/07/21

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 12-4-21

ALPHA Job #: L2166628

Client Information
Client: Hennessy
Address: PO Box 118
121860
Phone: 518 813 3597
Fax:
Email: bl//@hennessyec.com

Project Information
Project Name: SILVESTRI
Project Location: ALBANY NY
Project #
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
TO-15

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TO-15	Total Bottle	Sample Specific Comments
66628-01	SL-1	12/3/21	1030	Air	WCH	X		

Container Type: O
Preservative: A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

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

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/3/21 1515	AAL	12-3-21 1515
AAL	12-3-21 1720		12/4/21 0100
	12/4/21 4:00		12/4/21 5:00
	12/4/21 6:15		12/4/21 0615

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2166611
Client:	Hennessy Engineering & Consulting PO Box 118 Voorheesville, NY 12186
ATTN:	William Hennessy
Phone:	(518) 475-1670
Project Name:	SILVESTRI
Project Number:	321
Report Date:	12/17/21

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2166611-01	SB-2	SOIL	ALBANY, NY	12/03/21 10:30	12/03/21
L2166611-02	SB-3	SOIL	ALBANY, NY	12/03/21 11:00	12/03/21
L2166611-03	SB-5	SOIL	ALBANY, NY	12/03/21 11:45	12/03/21
L2166611-04	SB-6	SOIL	ALBANY, NY	12/03/21 13:15	12/03/21
L2166611-05	SB-7	SOIL	ALBANY, NY	12/03/21 12:30	12/03/21

Project Name:	SILVESTRI	**Lab Number:**	L2166611
Project Number:	321	**Report Date:**	12/17/21

Case Narrative

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

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

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

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

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

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

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

Case Narrative (continued)

Report Submission

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

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 12/17/21

ORGANICS

VOLATILES

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-01
Client ID: SB-2
Sample Location: ALBANY, NY

Date Collected: 12/03/21 10:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/13/21 14:02
Analyst: MV
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	0.32	J	ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	4.6		ug/kg	0.60	0.23	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-01 Date Collected: 12/03/21 10:30

Client ID: SB-2 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.8	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
Methyl Acetate	ND		ug/kg	4.8	1.1	1
Cyclohexane	ND		ug/kg	12	0.65	1
Freon-113	ND		ug/kg	4.8	0.83	1
Methyl cyclohexane	ND		ug/kg	4.8	0.72	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	110		70-130

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-02
Client ID: SB-3
Sample Location: ALBANY, NY

Date Collected: 12/03/21 11:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/13/21 14:28
Analyst: MV
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	0.32	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-02 Date Collected: 12/03/21 11:00

Client ID: SB-3 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Cyclohexane	ND		ug/kg	11	0.59	1
Freon-113	ND		ug/kg	4.3	0.75	1
Methyl cyclohexane	ND		ug/kg	4.3	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	111		70-130

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-03
Client ID: SB-5
Sample Location: ALBANY, NY

Date Collected: 12/03/21 11:45
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/13/21 14:54
Analyst: MV
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	0.37	J	ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	8.6		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.90	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.22	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.75	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1
Trichloroethene	ND		ug/kg	0.64	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-03 Date Collected: 12/03/21 11:45

Client ID: SB-5 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.72	1
o-Xylene	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.9	1
2-Butanone	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
2-Hexanone	ND		ug/kg	13	1.5	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.2	0.84	1
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
Methyl Acetate	ND		ug/kg	5.2	1.2	1
Cyclohexane	ND		ug/kg	13	0.70	1
Freon-113	ND		ug/kg	5.2	0.89	1
Methyl cyclohexane	ND		ug/kg	5.2	0.78	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	109		70-130

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-04
Client ID: SB-6
Sample Location: ALBANY, NY

Date Collected: 12/03/21 13:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/13/21 15:20
Analyst: MV
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	0.34	J	ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	44		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1
Trichloroethene	0.53	J	ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-04 Date Collected: 12/03/21 13:15

Client ID: SB-6 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	0.32	J	ug/kg	1.2	0.20	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.6	0.76	1
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
Methyl Acetate	ND		ug/kg	4.6	1.1	1
Cyclohexane	ND		ug/kg	12	0.63	1
Freon-113	ND		ug/kg	4.6	0.80	1
Methyl cyclohexane	ND		ug/kg	4.6	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	111		70-130

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-05
Client ID: SB-7
Sample Location: ALBANY, NY

Date Collected: 12/03/21 12:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 12/13/21 15:47
Analyst: MV
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.33	J	ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	0.57		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-05 Date Collected: 12/03/21 12:30

Client ID: SB-7 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.67	1
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
Methyl Acetate	ND		ug/kg	4.1	0.98	1
Cyclohexane	ND		ug/kg	10	0.56	1
Freon-113	ND		ug/kg	4.1	0.72	1
Methyl cyclohexane	ND		ug/kg	4.1	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	111		70-130

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/13/21 07:25
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1583052-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.30	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.60	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/13/21 07:25
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1583052-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 12/13/21 07:25
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1583052-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1583052-3 WG1583052-4								
Methylene chloride	89		88		70-130	1		30
1,1-Dichloroethane	90		88		70-130	2		30
Chloroform	100		101		70-130	1		30
Carbon tetrachloride	99		98		70-130	1		30
1,2-Dichloropropane	89		88		70-130	1		30
Dibromochloromethane	98		96		70-130	2		30
1,1,2-Trichloroethane	110		108		70-130	2		30
Tetrachloroethene	100		101		70-130	1		30
Chlorobenzene	101		100		70-130	1		30
Trichlorofluoromethane	123		124		70-139	1		30
1,2-Dichloroethane	97		95		70-130	2		30
1,1,1-Trichloroethane	101		99		70-130	2		30
Bromodichloromethane	108		107		70-130	1		30
trans-1,3-Dichloropropene	104		102		70-130	2		30
cis-1,3-Dichloropropene	97		95		70-130	2		30
Bromoform	104		103		70-130	1		30
1,1,2,2-Tetrachloroethane	112		110		70-130	2		30
Benzene	96		94		70-130	2		30
Toluene	100		99		70-130	1		30
Ethylbenzene	107		105		70-130	2		30
Chloromethane	74		73		52-130	1		30
Bromomethane	129		126		57-147	2		30
Vinyl chloride	100		99		67-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1583052-3 WG1583052-4								
Chloroethane	**152**	Q	**152**	Q	50-151	0		30
1,1-Dichloroethene	92		93		65-135	1		30
trans-1,2-Dichloroethene	91		91		70-130	0		30
Trichloroethene	97		96		70-130	1		30
1,2-Dichlorobenzene	102		100		70-130	2		30
1,3-Dichlorobenzene	102		102		70-130	0		30
1,4-Dichlorobenzene	100		98		70-130	2		30
Methyl tert butyl ether	96		94		66-130	2		30
p/m-Xylene	108		107		70-130	1		30
o-Xylene	110		108		70-130	2		30
cis-1,2-Dichloroethene	92		90		70-130	2		30
Styrene	117		115		70-130	2		30
Dichlorodifluoromethane	107		107		30-146	0		30
Acetone	64		61		54-140	5		30
Carbon disulfide	92		92		59-130	0		30
2-Butanone	**64**	Q	**61**	Q	70-130	5		30
4-Methyl-2-pentanone	73		73		70-130	0		30
2-Hexanone	70		**69**	Q	70-130	1		30
1,2-Dibromoethane	94		93		70-130	1		30
n-Butylbenzene	113		112		70-130	1		30
sec-Butylbenzene	105		104		70-130	1		30
tert-Butylbenzene	101		100		70-130	1		30
1,2-Dibromo-3-chloropropane	86		85		68-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1583052-3 WG1583052-4								
Isopropylbenzene	103		102		70-130	1		30
p-Isopropyltoluene	104		104		70-130	0		30
Naphthalene	95		92		70-130	3		30
n-Propylbenzene	108		107		70-130	1		30
1,2,4-Trichlorobenzene	105		100		70-130	5		30
1,3,5-Trimethylbenzene	106		104		70-130	2		30
1,2,4-Trimethylbenzene	106		104		70-130	2		30
Methyl Acetate	68		65		51-146	5		30
Cyclohexane	82		81		59-142	1		30
Freon-113	99		98		50-139	1		30
Methyl cyclohexane	102		102		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		106		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	94		96		70-130
Dibromofluoromethane	98		100		70-130

SEMIVOLATILES

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-02
Client ID: SB-3
Sample Location: ALBANY, NY

Date Collected: 12/03/21 11:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/15/21 12:24
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 12/14/21 01:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-02 Date Collected: 12/03/21 11:00

Client ID: SB-3 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Carbazole	ND		ug/kg	180	18.	1
Atrazine	ND		ug/kg	140	64.	1
Benzaldehyde	ND		ug/kg	240	49.	1

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-02
Client ID: SB-3
Sample Location: ALBANY, NY
Date Collected: 12/03/21 11:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	55.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	101		25-120
Phenol-d6	105		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	93		18-120

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-03
Client ID: SB-5
Sample Location: ALBANY, NY

Date Collected: 12/03/21 11:45
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/15/21 12:02
Analyst: IM
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 12/14/21 01:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	23.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	54	J	ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	ND		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	76.	1
Butyl benzyl phthalate	ND		ug/kg	220	56.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	75.	1
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	ND		ug/kg	130	25.	1
Benzo(a)pyrene	ND		ug/kg	180	54.	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-03 Date Collected: 12/03/21 11:45

Client ID: SB-5 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	130	37.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	ND		ug/kg	130	43.	1
Benzo(ghi)perylene	ND		ug/kg	180	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	52	J	ug/kg	130	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	26.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	31.	1
Pyrene	46	J	ug/kg	130	22.	1
Biphenyl	ND		ug/kg	500	51.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	91.	1
Dibenzofuran	ND		ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	260	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	73.	1
2-Nitrophenol	ND		ug/kg	480	83.	1
4-Nitrophenol	ND		ug/kg	310	90.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	100	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	34.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Carbazole	ND		ug/kg	220	21.	1
Atrazine	ND		ug/kg	180	77.	1
Benzaldehyde	ND		ug/kg	290	60.	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-03 Date Collected: 12/03/21 11:45

Client ID: SB-5 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	220	67.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	220	45.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	101		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	96		18-120

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-04
Client ID: SB-6
Sample Location: ALBANY, NY

Date Collected: 12/03/21 13:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/15/21 11:40
Analyst: IM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 12/14/21 01:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	180		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	63	J	ug/kg	120	22.	1
Benzo(a)pyrene	68	J	ug/kg	160	49.	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-04 Date Collected: 12/03/21 13:15

Client ID: SB-6 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	120		ug/kg	120	34.	1
Benzo(k)fluoranthene	34	J	ug/kg	120	32.	1
Chrysene	98	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	54	J	ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	99	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	56	J	ug/kg	160	28.	1
Pyrene	160		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Carbazole	21	J	ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	70.	1
Benzaldehyde	ND		ug/kg	260	54.	1

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-04
Client ID: SB-6
Sample Location: ALBANY, NY
Date Collected: 12/03/21 13:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	200	61.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	101		25-120
Phenol-d6	104		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	84		18-120

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-05
Client ID: SB-7
Sample Location: ALBANY, NY

Date Collected: 12/03/21 12:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 12/15/21 11:18
Analyst: IM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 12/14/21 01:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-05 Date Collected: 12/03/21 12:30

Client ID: SB-7 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Carbazole	ND		ug/kg	180	17.	1
Atrazine	ND		ug/kg	140	62.	1
Benzaldehyde	ND		ug/kg	230	48.	1

Project Name: SILVESTRI **Lab Number:** L2166611

Project Number: 321 **Report Date:** 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-05 Date Collected: 12/03/21 12:30

Client ID: SB-7 Date Received: 12/03/21

Sample Location: ALBANY, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	180	54.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	82		18-120

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/14/21 11:58
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 12/14/21 01:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-05 Batch: WG1582810-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/14/21 11:58
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 12/14/21 01:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-05 Batch: WG1582810-1					
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 12/14/21 11:58
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 12/14/21 01:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-05 Batch: WG1582810-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	59		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG1582810-2 WG1582810-3								
Acenaphthene	91		88		31-137	3		50
Hexachlorobenzene	91		88		40-140	3		50
Bis(2-chloroethyl)ether	84		83		40-140	1		50
2-Chloronaphthalene	88		85		40-140	3		50
3,3'-Dichlorobenzidine	57		52		40-140	9		50
2,4-Dinitrotoluene	90		89		40-132	1		50
2,6-Dinitrotoluene	86		85		40-140	1		50
Fluoranthene	87		85		40-140	2		50
4-Chlorophenyl phenyl ether	82		80		40-140	2		50
4-Bromophenyl phenyl ether	87		84		40-140	4		50
Bis(2-chloroisopropyl)ether	68		66		40-140	3		50
Bis(2-chloroethoxy)methane	85		84		40-117	1		50
Hexachlorobutadiene	84		78		40-140	7		50
Hexachlorocyclopentadiene	68		68		40-140	0		50
Hexachloroethane	84		84		40-140	0		50
Isophorone	84		84		40-140	0		50
Naphthalene	90		86		40-140	5		50
Nitrobenzene	87		85		40-140	2		50
NDPA/DPA	88		86		36-157	2		50
n-Nitrosodi-n-propylamine	79		80		32-121	1		50
Bis(2-ethylhexyl)phthalate	112		108		40-140	4		50
Butyl benzyl phthalate	105		103		40-140	2		50
Di-n-butylphthalate	106		104		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG1582810-2 WG1582810-3								
Di-n-octylphthalate	115		109		40-140	5		50
Diethyl phthalate	100		96		40-140	4		50
Dimethyl phthalate	89		88		40-140	1		50
Benzo(a)anthracene	85		81		40-140	5		50
Benzo(a)pyrene	76		73		40-140	4		50
Benzo(b)fluoranthene	88		83		40-140	6		50
Benzo(k)fluoranthene	83		80		40-140	4		50
Chrysene	83		79		40-140	5		50
Acenaphthylene	86		84		40-140	2		50
Anthracene	89		87		40-140	2		50
Benzo(ghi)perylene	87		84		40-140	4		50
Fluorene	89		86		40-140	3		50
Phenanthrene	91		88		40-140	3		50
Dibenzo(a,h)anthracene	90		86		40-140	5		50
Indeno(1,2,3-cd)pyrene	89		85		40-140	5		50
Pyrene	86		86		35-142	0		50
Biphenyl	91		87		37-127	4		50
4-Chloroaniline	79		73		40-140	8		50
2-Nitroaniline	94		91		47-134	3		50
3-Nitroaniline	75		73		26-129	3		50
4-Nitroaniline	84		84		41-125	0		50
Dibenzofuran	92		89		40-140	3		50
2-Methylnaphthalene	86		84		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG1582810-2 WG1582810-3								
1,2,4,5-Tetrachlorobenzene	85		81		40-117	5		50
Acetophenone	90		88		14-144	2		50
2,4,6-Trichlorophenol	84		83		30-130	1		50
p-Chloro-m-cresol	98		97		26-103	1		50
2-Chlorophenol	90		87		25-102	3		50
2,4-Dichlorophenol	89		88		30-130	1		50
2,4-Dimethylphenol	91		92		30-130	1		50
2-Nitrophenol	83		81		30-130	2		50
4-Nitrophenol	100		99		11-114	1		50
2,4-Dinitrophenol	55		54		4-130	2		50
4,6-Dinitro-o-cresol	85		83		10-130	2		50
Pentachlorophenol	85		87		17-109	2		50
Phenol	89		88		26-90	1		50
2-Methylphenol	94		91		30-130.	3		50
3-Methylphenol/4-Methylphenol	98		96		30-130	2		50
2,4,5-Trichlorophenol	90		88		30-130	2		50
Carbazole	92		90		54-128	2		50
Atrazine	87		86		40-140	1		50
Benzaldehyde	83		81		40-140	2		50
Caprolactam	84		82		15-130	2		50
2,3,4,6-Tetrachlorophenol	86		88		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-05 Batch: WG1582810-2 WG1582810-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	96		98		25-120
Phenol-d6	100		99		10-120
Nitrobenzene-d5	87		84		23-120
2-Fluorobiphenyl	88		86		30-120
2,4,6-Tribromophenol	94		94		10-136
4-Terphenyl-d14	89		88		18-120

METALS

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-02
Client ID: SB-3
Sample Location: ALBANY, NY
Date Collected: 12/03/21 11:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.702		mg/kg	0.431	0.090	1	12/16/21 06:10	12/16/21 17:34	EPA 3050B	1,6010D	EW
Barium, Total	6.08		mg/kg	0.431	0.075	1	12/16/21 06:10	12/16/21 17:34	EPA 3050B	1,6010D	EW
Cadmium, Total	0.095	J	mg/kg	0.431	0.042	1	12/16/21 06:10	12/16/21 17:34	EPA 3050B	1,6010D	EW
Chromium, Total	2.35		mg/kg	0.431	0.041	1	12/16/21 06:10	12/16/21 17:34	EPA 3050B	1,6010D	EW
Lead, Total	1.30	J	mg/kg	2.15	0.115	1	12/16/21 06:10	12/16/21 17:34	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.070	0.046	1	12/16/21 08:10	12/17/21 07:42	EPA 7471B	1,7471B	AC
Selenium, Total	ND		mg/kg	0.861	0.111	1	12/16/21 06:10	12/16/21 17:34	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.431	0.122	1	12/16/21 06:10	12/16/21 17:34	EPA 3050B	1,6010D	EW

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-03
Client ID: SB-5
Sample Location: ALBANY, NY
Date Collected: 12/03/21 11:45
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	1.93		mg/kg	0.521	0.108	1	12/16/21 06:10	12/16/21 17:39	EPA 3050B	1,6010D	EW
Barium, Total	9.83		mg/kg	0.521	0.091	1	12/16/21 06:10	12/16/21 17:39	EPA 3050B	1,6010D	EW
Cadmium, Total	0.151	J	mg/kg	0.521	0.051	1	12/16/21 06:10	12/16/21 17:39	EPA 3050B	1,6010D	EW
Chromium, Total	3.53		mg/kg	0.521	0.050	1	12/16/21 06:10	12/16/21 17:39	EPA 3050B	1,6010D	EW
Lead, Total	2.49	J	mg/kg	2.60	0.140	1	12/16/21 06:10	12/16/21 17:39	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.084	0.055	1	12/16/21 08:10	12/17/21 07:46	EPA 7471B	1,7471B	AC
Selenium, Total	0.245	J	mg/kg	1.04	0.134	1	12/16/21 06:10	12/16/21 17:39	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.521	0.147	1	12/16/21 06:10	12/16/21 17:39	EPA 3050B	1,6010D	EW

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-04
Client ID: SB-6
Sample Location: ALBANY, NY
Date Collected: 12/03/21 13:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.936		mg/kg	0.466	0.097	1	12/16/21 06:10	12/16/21 18:15	EPA 3050B	1,6010D	EW
Barium, Total	6.99		mg/kg	0.466	0.081	1	12/16/21 06:10	12/16/21 18:15	EPA 3050B	1,6010D	EW
Cadmium, Total	0.126	J	mg/kg	0.466	0.046	1	12/16/21 06:10	12/16/21 18:15	EPA 3050B	1,6010D	EW
Chromium, Total	2.81		mg/kg	0.466	0.045	1	12/16/21 06:10	12/16/21 18:15	EPA 3050B	1,6010D	EW
Lead, Total	1.67	J	mg/kg	2.33	0.125	1	12/16/21 06:10	12/16/21 18:15	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.076	0.050	1	12/16/21 08:10	12/17/21 07:49	EPA 7471B	1,7471B	AC
Selenium, Total	ND		mg/kg	0.931	0.120	1	12/16/21 06:10	12/16/21 18:15	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.466	0.132	1	12/16/21 06:10	12/16/21 18:15	EPA 3050B	1,6010D	EW

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-05
Client ID: SB-7
Sample Location: ALBANY, NY
Date Collected: 12/03/21 12:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	0.732		mg/kg	0.420	0.087	1	12/16/21 06:10	12/16/21 18:20	EPA 3050B	1,6010D	EW
Barium, Total	4.16		mg/kg	0.420	0.073	1	12/16/21 06:10	12/16/21 18:20	EPA 3050B	1,6010D	EW
Cadmium, Total	0.109	J	mg/kg	0.420	0.041	1	12/16/21 06:10	12/16/21 18:20	EPA 3050B	1,6010D	EW
Chromium, Total	3.07		mg/kg	0.420	0.040	1	12/16/21 06:10	12/16/21 18:20	EPA 3050B	1,6010D	EW
Lead, Total	1.23	J	mg/kg	2.10	0.113	1	12/16/21 06:10	12/16/21 18:20	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.067	0.044	1	12/16/21 08:10	12/17/21 07:52	EPA 7471B	1,7471B	AC
Selenium, Total	ND		mg/kg	0.841	0.108	1	12/16/21 06:10	12/16/21 18:20	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.420	0.119	1	12/16/21 06:10	12/16/21 18:20	EPA 3050B	1,6010D	EW

Project Name: SILVESTRI
Project Number: 321
Lab Number: L2166611
Report Date: 12/17/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-05 Batch: WG1583092-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/16/21 06:10	12/16/21 14:29	1,6010D	EW
Barium, Total	ND		mg/kg	0.400	0.070	1	12/16/21 06:10	12/16/21 14:29	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/16/21 06:10	12/16/21 14:29	1,6010D	EW
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/16/21 06:10	12/16/21 14:29	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	12/16/21 06:10	12/16/21 14:29	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/16/21 06:10	12/16/21 14:29	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	12/16/21 06:10	12/16/21 14:29	1,6010D	EW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-05 Batch: WG1583094-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	12/16/21 08:10	12/17/21 06:56	1,7471B	AC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-05 Batch: WG1583092-2 SRM Lot Number: D113-540								
Arsenic, Total	95		-		70-130	-		
Barium, Total	90		-		75-125	-		
Cadmium, Total	93		-		75-125	-		
Chromium, Total	93		-		70-130	-		
Lead, Total	92		-		72-128	-		
Selenium, Total	92		-		66-134	-		
Silver, Total	94		-		70-131	-		
Total Metals - Mansfield Lab Associated sample(s): 02-05 Batch: WG1583094-2 SRM Lot Number: D113-540								
Mercury, Total	70		-		60-140	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1583092-3 QC Sample: L2166399-01 Client ID: MS Sample												
Arsenic, Total	6.01	10.5	10.7	**44**	Q	-	-		75-125	-		20
Barium, Total	28.9	176	111	**47**	Q	-	-		75-125	-		20
Cadmium, Total	0.487	4.66	2.47	**42**	Q	-	-		75-125	-		20
Chromium, Total	8.66	17.6	14.9	**36**	Q	-	-		75-125	-		20
Lead, Total	10.2	46.6	28.0	**38**	Q	-	-		75-125	-		20
Selenium, Total	0.947	10.5	6.18	**50**	Q	-	-		75-125	-		20
Silver, Total	ND	26.4	15.8	**60**	Q	-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1583094-3 QC Sample: L2166399-01 Client ID: MS Sample												
Mercury, Total	ND	0.141	0.179	**127**	Q	-	-		80-120	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1583092-4 QC Sample: L2166399-01 Client ID: DUP Sample						
Arsenic, Total	6.01	4.78	mg/kg	**23**	Q	20
Barium, Total	28.9	24.2	mg/kg	18		20
Cadmium, Total	0.487	0.489	mg/kg	0		20
Chromium, Total	8.66	8.42	mg/kg	3		20
Lead, Total	10.2	10.4	mg/kg	2		20
Selenium, Total	0.947	0.887	mg/kg	7		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1583094-4 QC Sample: L2166399-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Project Name: SILVESTRI
Project Number: 321

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2166611
Report Date: 12/17/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-05 QC Batch ID: WG1583092-6 QC Sample: L2166399-01 Client ID: DUP Sample						
Barium, Total	28.9	40.5	mg/kg	**40**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-01
Client ID: SB-2
Sample Location: ALBANY, NY

Date Collected: 12/03/21 10:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.2		%	0.100	NA	1	-	12/09/21 13:39	121,2540G	RI

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-02
Client ID: SB-3
Sample Location: ALBANY, NY

Date Collected: 12/03/21 11:00
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.7		%	0.100	NA	1	-	12/09/21 13:20	121,2540G	RI

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-03
Client ID: SB-5
Sample Location: ALBANY, NY

Date Collected: 12/03/21 11:45
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.8		%	0.100	NA	1	-	12/09/21 13:20	121,2540G	RI

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-04
Client ID: SB-6
Sample Location: ALBANY, NY

Date Collected: 12/03/21 13:15
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.6		%	0.100	NA	1	-	12/09/21 13:20	121,2540G	RI

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

SAMPLE RESULTS

Lab ID: L2166611-05
Client ID: SB-7
Sample Location: ALBANY, NY

Date Collected: 12/03/21 12:30
Date Received: 12/03/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	12/09/21 13:20	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: SILVESTRI

Project Number: 321

Lab Number: L2166611

Report Date: 12/17/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-05 QC Batch ID: WG1581131-1 QC Sample: L2167270-01 Client ID: DUP Sample						
Solids, Total	76.0	80.7	%	6		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1581234-1 QC Sample: L2167249-08 Client ID: DUP Sample						
Solids, Total	23.9	24.1	%	1		20

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2166611-01A	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2166611-01X	Vial MeOH preserved split	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2166611-01Y	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-01Z	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-02A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2166611-02B	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2166611-02C	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2166611-02D	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14)
L2166611-02X	Vial MeOH preserved split	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2166611-02Y	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-02Z	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-03A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2166611-03B	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2166611-03C	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2166611-03D	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14)
L2166611-03X	Vial MeOH preserved split	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2166611-03Y	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-03Z	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-04A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2166611-04B	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: SILVESTRI
Project Number: 321

Lab Number: L2166611
Report Date: 12/17/21

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2166611-04C	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2166611-04D	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14)
L2166611-04X	Vial MeOH preserved split	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2166611-04Y	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-04Z	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-05A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2166611-05B	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2166611-05C	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2166611-05D	Glass 120ml/4oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14)
L2166611-05X	Vial MeOH preserved split	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2166611-05Y	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)
L2166611-05Z	Vial Water preserved split	A	NA		3.0	Y	Absent	**10-DEC-21 10:12**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	SILVESTRI	**Lab Number:**	L2166611
Project Number:	321	**Report Date:**	12/17/21

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	SILVESTRI	**Lab Number:**	L2166611
Project Number:	321	**Report Date:**	12/17/21

Data Qualifiers

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	SILVESTRI	**Lab Number:**	L2166611
Project Number:	321	**Report Date:**	12/17/21

REFERENCES

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

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
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FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page of

Date Rec'd in Lab: 12/4/21

ALPHA Job #: L2166611

Client Information
Client: HENNESSY
Address: PO Box 118
121 86
Phone: 518 813 3597
Fax:
Email: b.lle@hennessyec.com

Project Information
Project Name: SILVESTRI
Project Location: ALBANY NY
Project #: 321.
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
VOCs 8260 | SVOCs 8270 | 5 RCRA metals

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	SVOCs 8270	5 RCRA metals	Sample Specific Comments
6611	SB-2,3,5,6,7	12-3-21	VARIES	SOIL	MA	X			
	SB-3,5,6,7	"	"	"	"		X	X	

Container Type: G G G
Preservative: A A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

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

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12/3/21 1515		12-3-21 1517
AAL	12-3-21 1520		12/4/21 0100

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)