Intended for
New York State Department of Environmental Conservation

Document type
Report

Date
January 2025

Remedial Investigation Report

Former Bomax Manufacturing Site (Site#623009)

Town of Watertown, Jefferson County, NY

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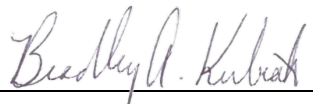
Remedial Investigation Report
Former Bomax Manufacturing Site (Site #623009)

Project name	**Former Bomax Manufacturing Site**
Project no.	**NYS-DEC.1087815/1940101337**
Recipient	**New York State Department of Environmental Conservation**
Document type	**Report**
Version	**1**
Date	**January 16, 2025**

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I Bradley Kubiak, PE, certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report was prepared in accordance with applicable statutes and regulations and in substantial conformance with the DER *Technical Guidance for Site Investigation and Remediation* (DER-10) and that activities were performed in accordance with the DER-approved work plan and DER-approved modifications.



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1. Introduction

This report serves as the Remedial Investigation Report (RIR), which documents the various remedial investigation (RI) activities, field methodologies, and analytical results for environmental media for the former Bomax Manufacturing site (Site) located at 6393 Coffeen Street in the Town of Watertown, Jefferson County, New York (Site #623009). The RI was executed on behalf of the New York State Department of Environmental Conservation (NYSDEC) under Standby Contract Work Assignments (WAs) D007623-05 and D009810-22. A Site location map is included as **Figure 1-1**.

1.1 Project Background

NYSDEC has identified three operable units (OU1, OU2, and OU3). OU1 and OU3 are two physical parcels (the extents of these parcels are shown on **Figure 1-2**) that comprise the Site proper. OU1 and OU3, which are the focus of the RI, are approximately 10.9-acres and 1.3 acres, respectively. A portion of OU3 has been re-developed for commercial use as a gas station/convenience store. OU2 includes Site and off-Site soil vapor/vapor intrusion (SV/VI). Habitable structures are not present within OU1 and the commercial development at OU3 includes a sub-slab depressurization system (SSDS). Access to a structure on an adjoining property south of the Site was denied, therefore, additional SV/VI work was not conducted.

The following areas of environmental concern (shown on **Figure 1-2**) have been identified by NYSDEC based on historic investigations include:

- A 5,000-gallon septic tank and adjoining leachfield located at the south end of the property. Floor drains are reported to have discharged into the septic tank, and solvents were alleged to have been present in the discharges.
- A former 500-gallon waste solvent underground storage tank (UST) located on the west side of the building near the former loading dock.
- Areas along the eastern and southern sides of the former manufacturing building and near a former drum storage area, presumed to be located on the southwest corner of the parking area southeast of the building.
- A 10,000-gallon wastewater UST located adjacent to the southeast corner of the building. This area of the Site had not been investigated previously.

1.2 Project Objectives and Overview of RI Activities

The RI objectives were to evaluate the following:

- the nature and extent of Site-related contaminants of concern (COCs) in soil and groundwater within the Site boundary and at off-Site areas;
- the potential presence of continuing sources of contamination;
- the direction of groundwater flow in the bedrock beneath the Site; and
- surface soil, subsurface soil, and overburden and bedrock groundwater quality.

The RI field activities were conducted in accordance with scopes of work (SOWs) dated September 2012, August 2013, June 2015, and August 2018 in response to NYSDEC WA D007623-05, and August 2021 in response to NYSDEC WA D009810-22. The sampling and analysis activities were conducted in accordance with the SOWs and the previously approved

Field Activities Plan (FAP) (Parsons and O'Brien & Gere, 2011a), Quality Assurance Project Plan (QAPP), and the Health and Safety Plan (HASP) (Parsons and O'Brien & Gere, 2011b).

Investigation activities included the evaluation of surface, near surface, and subsurface soil, and overburden and bedrock groundwater.

1.3 Document Format

This RIR is organized into the following sections:

Section 1 – Introduction
Section 2 – Site Background
Section 3 – Remedial Investigation Methods
Section 4 – Site Characteristics
Section 5 – Nature and Extent of Contamination
Section 6 – Conceptual Site Model
Section 7 – Transport and Fate
Section 8 – Qualitative Human Health Exposure Assessment
Section 9 – Summary and Conclusions
Section 10 – References

2. Site Background

2.1 Site Location and Description

The Site is located at 6393 Coffeen Street in the Town of Watertown, Jefferson County, New York, in an area of commercial/industrial properties. The area is served by public water supply. The nearest residential area is located approximately 1,400 feet to the east-southeast of the Site.

The prominent Site feature was an approximate 60,000 square foot abandoned manufacturing facility with office space at the northern end and a large, paved parking lot area located to the east of the manufacturing facility. The northern half of the former manufacturing building was removed as part of the commercial development of OU-3. The remainder of the former manufacturing building was demolished in June 2016, with the exception of the slab on-grade. The southern portion of the Site appears to have remained vacant except for former piping and associated leachfield located in the extreme southwestern portion of the Site.

According to the Town of Watertown, the Site is zoned as Neighborhood Commercial, which allows use, among others, for one and two-family dwellings. The Site has historically been used for light manufacturing purposes and is located in an area of commercial/industrial properties. Consistent with current zoning and anticipated future uses of the Site, soil analytical data have been compared to Part 375 Unrestricted, Residential, Restricted Residential, Commercial, and Industrial Soil Cleanup Objectives (SCOs) for the purpose of evaluating the nature and extent of Site soil impacts.

The Site is located in an area where public water is available. A search of the New York State 2023 Statewide Tax Parcel Centroid Points via GIS identified 5 private supply wells within a one-half mile radius of the site as shown on Figure 2-1. Four of these wells are located to the northwest and one is located to the south of the site. As public water is provided to the area, it is presumed that these wells are not used as a source of drinking water.

2.2 Site History

The Site was operated as a small motor manufacturing plant from 1965 until approximately 2004. Floor drains in the manufacturing building were piped directly into a septic tank located at the southern end of the vacant parcel, approximately 420 feet south-southwest of the building. Excess or waste solvents were reportedly disposed of in these floor drains. As part of a 1989 Consent Order, the owner agreed to plug floor drains within the manufacturing building (all but two were reportedly plugged) and to limit the use of the septic tank to storage of sewage, which would be periodically pumped out and transported off-Site for treatment. Also, NYSDEC required the installation of a 10,000-gallon UST adjacent to the southeastern corner of the building and that unplugged floor drains be routed to this UST along with plugging of the drain line to the septic tank. In addition to the septic tank and associated leachfield, a waste solvent UST, used to store mixed solvents, was located on the west side of the manufacturing building, in the vicinity of the former loading docks.

The Site was purchased by Toped Management Services, Inc. (Toped) in March 2007. Toped redeveloped approximately 1.29 acres of the northwestern portion of the Site, which has been identified by NYSDEC as OU-3, plus 0.46 adjoining acres of the former Watertown Savings Bank parcel, which is not considered part of OU-3.

2.3 Previous Investigations

In July 1989, Bomax conducted investigation/remedial efforts in the immediate vicinity of the waste solvent UST. As part of this effort, O'Brien & Gere Engineers, Inc. (OBG) was retained to collect soil samples for laboratory analysis. Based on soil sampling results, 1,1,1-trichloroethane (1,1,1-TCA) was detected as high as 740 mg/Kg and 1,1-dichloroethene as high as 62 mg/Kg. Bomax retained O'Brien & Gere Technical Services, Inc. to excavate soil to the top of bedrock in the area of the waste solvent UST and stockpile the soils on-Site and to collect soil samples for laboratory analysis documenting the quality of soil remaining after excavation. Soil beneath the adjacent concrete loading dock pad could not be accessed during the excavation activities. A letter report was prepared documenting the remedial efforts (OBG, July 1989).

A *Site Investigation Summary Report* was prepared in April 2007 by NYSDEC and NYSDOH which summarized a soil vapor intrusion evaluation completed by URS Corporation in July 2006 under Standby Contract with NYSDEC. The *Site Investigation Summary Report* is provided in **Appendix A**. The soil vapor intrusion evaluation included collection of four groundwater samples from perched groundwater encountered on top of the underlying bedrock and collection and analysis of 10 soil vapor samples.

Groundwater analytical results indicated the following:

- Tetrachloroethene (PCE) was detected in GW-5 at 570 J µg/L (approximate).
- Trichloroethene (TCE) was detected in GW-5 at 15 J µg/L (approximate), and GW-7 at 4 J µg/L (approximate).
- 1,1,1-Trichloroethane (TCA) was detected in GW-1 at 12 ppb, GW-5 at 34,000 D µg/L (diluted), and GW-7 at 1,800 D µg/L (diluted).
- 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) was detected in GW-5 at 31,000 D µg/L (diluted), and GW-7 at 430 D µg/L (diluted).
- Sample GW-5 also had elevated levels of Ethylbenzene (2500 DJ µg/L) and Xylene (11,000 DJ µg/L).
- No site-related contaminants were detected in the overburden groundwater sample GW-2 (Location V-2).

Soil vapor analytical results indicated the following:

- Tetrachloroethene (PCE) was detected in 7 out of 10 sample locations, ranging in concentration from 1.5 to 1,700 µg/m^3. The highest concentrations were in the vicinity of the former solvent UST.
- Trichloroethene (TCE) was detected in 5 out of 10 sample locations, ranging in concentration from 1.2 to 460 µg/m^3. The highest concentrations were in the vicinity of the former solvent UST.
- 1,1,1-Trichloroethane (TCA) was detected in 9 out of 10 sample locations, ranging in concentration from 0.6 to 67,000 µg/m^3. The highest concentrations were in the vicinity of the former solvent UST.
- Vinyl Chloride (VC) was detected in 1 out of 10 sample locations (V-6), at a concentration of 590 µg/m^3. This sample was in the vicinity of the loading docks.
- 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) was detected in 6 out of 10 sample locations, ranging in concentration from 0.9 to 350,000 µg/m^3. The highest concentrations were in the vicinity of the former solvent UST, and the loading docks.

- All soil vapor samples had elevated levels of BTEX compounds, most notably toluene and xylene.

Based on these findings, NYSDEC and NYSDOH recommended that further investigation of contamination be conducted through completion of a comprehensive remedial investigation.

2.4 Previous Removal Actions

Bomax excavated some of the soils in the area of the waste solvent UST and stockpiled the soils on-Site; however, potentially impacted soil beneath the adjacent concrete loading dock pad could not be accessed. Prior to going out of business, Bomax removed approximately 69 tons of contaminated soil and 134 drums of waste previously stored at the Site. Bomax subsequently ran out of funding for removal activities and in 1991, State Superfund money was used to complete the required clean-up work. Reportedly, an additional 24 tons of contaminated soil was excavated from this area under the Superfund program.

2.5 Summary of Interim Remedial Action

An interim remedial measure (IRM) was conducted during July and August 2015. The objective of the IRM was to remove infrastructure that were considered to have the potential to act as sources of residual chlorinated volatile organic compounds (CVOCs) at the Site, which included a septic system (septic tank, leachfield piping, and distribution box), conveyance piping from the former manufacturing building to the septic system and associated manholes, an underground 10,000-gallon wastewater holding tank, and additional investigation of overburden soil in the vicinity of a previously-removed 500-gallon waste solvent UST and associated contaminated soil.

Excavation, removal, and disposal of the IRM components was conducted by Nature's Way Environmental Consultants & Contractors, Inc. (Nature's Way) under the New York State Standby Remedial Services Contract #C100910. The IRM was implemented in general conformance with the *Interim Remedial Measure Work* Plan (O'Brien & Gere Engineers, Inc., September 2014) and the supporting documents prepared by Nature's Way that included an Erosion and Sediment Control Plan, a Material Handling Plan, and a Transportation and Disposal Plan. Completed IRM elements and associated documentation soil samples are shown on **Figure 2-2**. Analytical results for pre-characterization and documentation soil samples are provided on **Table 2-1** and **Table 2-2**, respectively.

The following is a summary of the completed IRM elements:

- Removal and disposal of approximately 830 linear feet (lf) of 8-inch diameter concrete drainpipe running between Cleanout 0+05 and the septic tank.
- Removal and disposal of three, 4 ft diameter concrete manholes (1+28, 4+54, and 8+25) installed up to 8 ft in depth below grade, appurtenant structures (e.g., covers, rings, sealants, pipe boots, etc.).
- Removal and disposal of one cleanout at northern end of 8-inch diameter concrete drainpipe (0+05).
- Removal and disposal of the underground 5,000-gallon septic tank and water/liquid, contained within the septic tank.
- Removal and disposal of approximately 21 lf of 6-inch diameter Orangeburg™ asbestos-containing drainpipe from the septic tank to the distribution box.

- Removal and disposal of the septic system distribution box and distribution system (thirty-two 60-ft laterals consisting of 4-inch diameter perforated Orangeburg™ asbestos-containing pipe).
- Removal and disposal of the underground 10,000-gallon wastewater holding tank located outside the southeast corner of the building.
- Removal and disposal of two additional structures, including a 2 ft by 2 ft by 2 ft deep vault, and a 12-inch diameter vertical corrugated pipe (estimated at 12 feet deep). These structures were located outside the southeast corner of the building.

Pre-Characterization and Documentation Sampling

Pre-characterization sampling prior to the IRM initiation was completed beneath the former loading dock north of the former 500-gallon solvent UST/soil removal area (described in Section 2.4). Thirteen soil borings (SB15-01 through SB15-13) were advanced to the top of bedrock (see **Figure 2-1**) and one soil sample per boring was collected and analyzed for VOCs and 1,4-dioxane. As indicated on **Table 2-1**, 1,1,1-TCA, 1,1-DCA, acetone, PCE, and TCE were detected in one or more of the soil samples. Acetone was detected in one sample (SB15-02-(0.4'-0.6')) at a concentration exceeding the Unrestricted SCO. No other VOCs were detected at concentrations above Part 375 SCOs. 1,4-dioxane was not detected in the soil samples. Based on these analytical results, additional soil removal near the former 500-gallon solvent UST/soil removal area was not warranted.

Nineteen documentation samples (SB01 through SB19) were collected subsequent to the removal of subsurface piping to the leachfield and removal of the leachfield piping (see **Figure 2-1**). As indicated on **Table 2-2**, 1,1,1-TCA, acetone, chloroform, cyclohexane, ethylbenzene, and total xylenes were detected in one or more of the soil samples. None of these VOCs were detected at concentrations above Part 375 SCOs.

3. Remedial Investigation Methods

This section discusses the work activities and methodologies conducted as part of the RI. The RI was conducted between October 2012 and August 2021. The RI field activities were completed in accordance with procedures provided in the FAP (Parsons and O'Brien & Gere, 2011a), QAPP, and the HASP (Parsons and O'Brien & Gere, 2011b).

3.1 Soil Characterization

Soil samples were collected from multiple depth intervals during the RI. Specifically, surface soils are samples collected and analyzed from the 0 to 2-inch interval and are used to assess potential human exposures through ingestion, inhalation, or dermal contact as outlined in *Technical Guidance for Site Investigation and Remediation (DER-10)* (NYSDEC, May 2010). Soil samples from between 0 and 24 inches were collected to evaluate if existing soil quality meets the requirements for a protective soil cover as outlined in DER-10. These samples are evaluated together as near-surface soil. Additional soil samples collected below 24 inches are categorized as subsurface soil samples and discussed separately.

A summary of the soil samples collected during the RI including sample identification, sample depth, and sample analysis is presented in **Table 3-1**. Surface soil, near-surface soil, and subsurface soil sample locations are presented on **Figures 3-1**. Surface, near surface and subsurface boring logs are provided in **Appendix B**.

3.1.1 Surface Soil Sampling

Surface soil samples were collected from 18 locations (SS12-05 through SS12-09, SS13-01, SS13-02, and SSB-02 through SSB-12) at the Site between October 30, 2012 and November 2021. Surface soil sample locations are shown on **Figure 3-1**. Surface soil samples SS12-05 through SS12-09 were co-located with soil borings and surface soil samples SS13-01, SS13-02, and SSB-02 through SSB-12 were each individually located.

At each location, surface soil samples were collected from 0 to 2 inches below vegetative cover to provide information for assessment of human health exposures. The surface soil samples were collected using a split spoon sampler, hand auger and/or shovel. Each sample consisted of homogenization of the sample interval except those collected for VOC analysis which were collected directly from the soil sampling device. Soil homogenization was conducted by placing the soil into a disposable aluminum pan and mixing with disposable scoops. The homogenized sample was then divided and placed in the sample containers. Surface soil samples were submitted to Con-Test Analytical Laboratory (Con-Test) for analysis of parameters identified on **Table 3-1**.

3.1.2 Near-Surface Soil Sampling

Near-surface soil samples were collected from 19 locations (SS12-01 through SS12-04, SB12-20, SB12-21, SB12-43, and SSB-01 through SSB-12) at the Site between October 30, 2012 and November 2021. Near-surface soil sample locations are shown on **Figure 3-1**. Near-surface soil samples SS12-01 through SS12-04, SB12-20, SB12-21, and SB12-43 were co-located with soil borings and near-surface soil samples SSB-01 through SSB-12 were each individually located.

Soil samples were collected from three depth intervals between 0 to 2-inches, 2 to 12-inches, and 12 to 24-inches to assess whether the top 24 inches of existing material meets the criteria for soil cover. The near-surface soil samples were collected using a split spoon sampler, hand auger and/or shovel. Each sample consisted of homogenization of the sample interval except those collected for VOC analysis which were collected directly from the soil sampling device. Soil homogenization was conducted by placing the soil into a disposable aluminum pan and mixing thoroughly with disposable scoops. The homogenized sample was then divided and placed in the sample containers. Surface soil samples were submitted to Con-Test for analysis of parameters identified on **Table 3-1**.

3.1.3 Soil Borings and Subsurface Soil Sampling

A total of 47 soil borings (SB12-01 through SB12-47) were advanced within the Site boundary between October 29 and November 13, 2012. Soil boring locations are shown on **Figure 3-1**. Soil samples were collected continuously to the top of bedrock at each location using direct-push drilling methods. 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, soil was screened with a photoionization detector (PID) to allow evaluation of the bulk volatile organic concentration of each soil sample. This descriptive information was recorded on a soil boring log form. Soil boring logs are provided in **Appendix B**.

Based on visual, olfactory, and/or PID screening, one subsurface soil sample was collected from 44 of the soil borings. The subsurface soil samples were submitted to Con-Test for the following analyses:

- Target Compound List (TCL) volatile organic compounds (VOCs) using USEPA Method 8260
- TCL semivolatile organic compounds (SVOCs) using USEPA Method 8270
- TCL organochlorine pesticides using USEPA Method 8081
- TCL polychlorinated biphenyls (PCBs) using USEPA Method 8082
- Target Analyte List (TAL metals) using USEPA Method 6010
- Mercury using USEPA Method 7471
- Cyanide using USEPA Method 9014

Each borehole, except those where a temporary monitoring well was installed as discussed in Section 3.2, were backfilled using soil cuttings mixed with bentonite as the soil cuttings did not exhibit obvious indicators of contamination.

Direct-push sampling equipment was decontaminated using non-phosphate detergent wash followed by potable water rinse. The decontamination fluids were containerized in 55-gallon drums.

3.2 Temporary Monitoring Well Installations, Development, and Sampling

In accordance with the scope of work, temporary monitoring wells were installed in soil borings that exhibited saturated soils within the overburden. Saturated soils were encountered at three soil boring locations (SB12-02, SB12-12, and SB12-36), and a temporary 1-inch diameter PVC monitoring well was constructed within each soil boring and identified as TW12-01, TW12-02, and TW12-03, respectively. Given the shallow depth to the top of bedrock at two of these locations (3 to 6 feet below grade), the approach to installing the temporary well was to place

0.010-inch slot screen into the borehole extending to approximately 1-ft below grade followed by backfilling the annular space between the well and the borehole wall with filter sand to the top of the well screen. Bentonite was then be placed atop the filter sand.

It should be noted that TW12-02 was installed within the backfill of the excavated 10,000-gallon wastewater UST to a depth of approximately 12.6-ft below grade. As discovered during removal of this UST during the IRM, the tank was installed below the top of bedrock, which was encountered at approximately 3.5-ft below grade and the bottom of the tank pit was approximately 12.5-ft below grade. During excavation of the UST, water was not observed in the overburden, but was present in the shallow bedrock. As such, this well was installed below the top of bedrock and the groundwater sample collected from TW12-02 is representative of shallow bedrock groundwater quality.

3.2.1 Temporary Monitoring Well Development

Subsequent to installation, temporary wells TW12-02 and TW12-03 were developed on December 6, 2012 using disposable bailers. TW12-01 was dry at the time of development and remained dry throughout each of the subsequent groundwater sampling events. Well development logs are provided in **Appendix C**.

3.2.2 Temporary Monitoring Well Sampling

Groundwater samples were collected from TW12-02 and TW12-03 on December 6, 2012 subsequent to completion of development. A groundwater sample was also collected from TW12-02 on March 14, 2019. Each sample was collected using low flow purge and sample methods. Groundwater sampling logs are provided in **Appendix D**. Groundwater samples were submitted to Con-Test for analysis of the same parameters as the surface and subsurface soil samples described above in **Section 3.1.3**.

3.3 Bedrock Monitoring Well Installations, Development, and Sampling

3.3.1 Shallow Bedrock Monitoring Wells

Twenty-two shallow bedrock monitoring wells (MW12-01 through MW12-20, MW12-27, and MW12-28) were installed during the RI between November 2012 and December 2018. Of these, nine monitoring wells, MW12-01 through MW12-08, and MW12-12, were installed at the Site and the remainder were installed at off-Site locations.

Shallow bedrock well installations were conducted in five separate events, with additional wells being installed periodically to further delineate the extent of groundwater impacts as follows:

Event	Date	Wells installed
1	November 2012	On-site - MW12-01 through MW12-06
2	October 2013	On-site - MW12-07, MW12-08, and MW12-12 Off-site - MW12-09, MW12-10, and MW12-11
3	February 2014	Off-site - MW12-13 through MW12-15
4	September 2015	Off-site - MW12-16 through MW12-20
5	December 2018	On-site – MW12-21 through MW12-24, MW12-26 Off-site - MW12-25, MW12-27, MW12-28

Shallow bedrock monitoring well locations are shown on **Figure 3-1**.

Each shallow bedrock well was installed using a combination of hollow stem augering and coring drilling methods. Initially, 6.25-inch inside diameter hollow stem augers were advanced to the bedrock surface. During auger advancement, soil samples were collected continuously at 2-ft intervals from the ground surface to the top of bedrock using split barrel samplers. Upon reaching the top of bedrock, a nominal 6-inch diameter roller bit was used to drill a socket approximately 2-ft into the bedrock. A 4-inch diameter steel casing was installed through the auger string and grouted in-place as the auger string was retracted. The grout was allowed to cure for a minimum of 12-hours prior to further advancement of the bedrock borehole. Subsequent to curing of the grout, each borehole was advanced into the bedrock using HQ coring equipment to an approximate depth of 30-ft below grade. Upon retrieval, the cores were described for: 1) percent recovery; 2) rock quality designation (RQD); 3) color; 4) fracturing; 5) texture; and 6) evidence of staining or other chemically related impacts; and 7) any other relevant observations. In addition, soil was screened with a PID to allow evaluation of the bulk volatile organic concentration in the overburden. A concrete well pad was constructed around each bedrock well and fitted with a lockable well cap.

Drilling and well logs are provided in **Appendix B**. Well construction details are provided on **Table 4-1**.

3.3.2 Deeper Bedrock Monitoring Wells

Six deeper bedrock monitoring wells (MW12-21 through MW12-26) were installed during the RI during November and December 2018 (see **Figure 3-1**). Of these, five monitoring wells (MW12-21, MW12-22, MW12-23, MW12-24, and MW12-26) were installed on-Site and MW12-25 was installed at an off-Site location. MW12-22 through MW12-26 were installed adjacent to existing shallow bedrock monitoring wells providing shallow/deeper bedrock well pairs: MW12-04/MW12-22, MW12-07/MW12-23, MW12-12/MW12-24, MW12-11/MW12-25, and MW-2/MW12-26. Each of the deeper bedrock wells were double cased to isolate the shallow bedrock and minimize hydraulic connection with the shallow bedrock during the well installations. At the direction of NYSDEC, the terminal depths of the deeper bedrock wells were limited to approximately 40 to 44-ft below grade due to concern with the potential presence of karst features at lower elevations.

Each deeper bedrock well was installed using a combination of hollow stem augering, air hammer and coring drilling methods. Initially, 8.25-inch inside diameter (I.D.) hollow stem augers were advanced to the bedrock surface. During auger advancement, soil samples were collected at continuous 2-ft intervals from the ground surface to the top of bedrock using split barrel samplers. Upon reaching the top of bedrock, a nominal 8-inch diameter roller bit was used to drill a socket approximately 2-ft into the bedrock. A 6-inch diameter steel casing was installed through the auger string and grouted in-place as the auger string was retracted. The grout was allowed to cure for a minimum of 24-hours prior to further advancement of the bedrock borehole.

Subsequent to curing of the grout, boreholes at MW12-22 through MW12-26 were advanced into the bedrock using nominal 6-inch diameter air hammer drilling methods to an approximate terminal depth of 30-ft below grade. Four-inch I.D. steel casings were installed and grouted in-place. The grout was allowed to cure for a minimum of 24-hours prior to further advancement of

the boreholes. Subsequent to curing of the grout, HQ coring methods were used to advance each borehole to depths between approximately 40 to 44-ft below grade. Upon retrieval, the cores were described for: 1) percent recovery; 2) RQD; 3) color; 4) fracturing; 5) texture; and 6) evidence of staining or other chemically related impacts; and 7) any other relevant observations.

MW12-21 was installed using a combination of hollow stem auger, air roller bit, and coring drilling methods. Initially, an 8.25-inch I.D. hollow stem auger was advanced to the bedrock surface. During auger advancement, soil samples were collected at continuous 2-ft intervals from the ground surface to the top of bedrock using split barrel samplers. Upon reaching the top of bedrock, a nominal 8-inch diameter roller bit was used to drill a socket approximately 2-ft into the bedrock. A 6-inch diameter steel casing was installed through the auger string and grouted in-place as the auger string was retracted. The grout was allowed to cure for a minimum of 24-hours prior to further advancement of the bedrock borehole. Subsequent to curing of the grout, MW12-21 was advanced into the bedrock using HQ coring methods to an approximate terminal depth of 30-ft below grade. The HQ core hole was reamed to a nominal 6-inch diameter using a roller bit. A four-inch I.D. steel casing was installed and grouted in-place. The grout was allowed to cure for a minimum of 24-hours prior to further advancement of the borehole. Subsequent to curing of the grout, HQ coring methods were used to advance the borehole to an approximate depth of 40-ft below grade. Upon retrieval, the cores were described for: 1) percent recovery; 2) RQD; 3) color; 4) fracturing; 5) texture; and 6) evidence of staining or other chemically related impacts; and 7) any other relevant observations. Concrete well pads were constructed around each bedrock well and fitted with a lockable well cap.

Drilling and well logs are provided in **Appendix B**. Well construction details are provided on **Table 4-1**.

3.3.3 Bedrock Well Development

Each bedrock monitoring well was developed by surging and purging the well using either a bailer or pump, as appropriate, to remove the fine-grained material which may have settled within the well, to remove introduced drilling fluids, and to provide restore hydraulic communication with the surrounding formation. Groundwater parameters were recorded prior to development, after removal of each well volume during development, and at the conclusion of development. These parameters included turbidity, pH, temperature, and specific conductance. Development goals were to achieve turbidity less than 50 nephelometric turbidity units (NTUs) and pH, temperature, and specific conductivity stabilization over the course of removal of three successive well volumes. Stabilization criteria was established ±3% of the initial reading for temperature and specific conductance, and ±0.1 pH units for pH. At least three well volumes were to be removed unless the well was purged to dryness, in which case the well was allowed to recover to at least 50% of its static level and purged a second time. This was the case for each well. Well development logs are provided in **Appendix C**. Water generated during well development was temporarily contained in 55-gallon drums and staged on-Site.

3.3.4 Bedrock Groundwater Sampling

As indicated above, shallow and deeper bedrock groundwater monitoring wells were installed in a phased manner with additional monitoring wells installed based on the results of groundwater samples collected from previously installed wells. **Table 3-1** provides a summary of the monitoring wells included in each sampling event and the associated analytical parameters.

Prior to the collection of the bedrock groundwater samples, groundwater levels were measured to the nearest 0.01-ft at each well to be sampled using an electronic water level probe. The water level measurements were recorded from the reference point marked on each well casing. Groundwater elevations are provided on **Table 4-1**.

Based on the NYSDEC-approved SOW, groundwater samples were to be collected using low flow purge and sample methods. However, it became apparent during the initial groundwater sampling event in 2012 that the wells would not sustain low flow purging rates. With NYSDEC concurrence, groundwater samples were collected using hand-bailing methods for the remainder of the RI. Dedicated, disposable polyethylene bailers were used to remove up to three well volumes prior to sampling. For wells that bailed dry prior to removal of three well volumes, the samples were collected after sufficient volume had recovered in the well to fill the sample jars. Groundwater sampling logs are provided in **Appendix D**.

3.4 Septic Tank and Wastewater Tank Sampling

During the RI field activities, water was observed to be present in the septic tank. To evaluate whether the contents contained residual contaminants, one sample was collected from the septic tank. The sample was collected using a disposable bailer.

Two additional structures were observed at the ground surface in the vicinity of the 10,000-gallon wastewater holding tank. A water sample was collected from each structure during the RI. One structure appeared to be a sump connected and open to the tank itself. The sample collected from this structure was identified as "SUMP". The second structure was an approximate 8-inch diameter, vertically oriented subsurface corrugated pipe. It was believed that is pipe was installed in the backfill surrounding the 10,000-gallon tank to be used as a monitoring well. The sample collected from the pipe was identified as "WTANK".

The septic tank and wastewater tank backfill (SUMP and WTANK) samples submitted to Con-Test for the following analyses:

- TCL VOCs using USEPA Method 8260
- TCL SVOCs using USEPA Method 8270
- TCL organochlorine pesticides using USEPA Method 8081
- TCL PCBs using USEPA Method 8082
- TAL metals using USEPA Method 6010
- Mercury using USEPA Method 7471
- Cyanide using USEPA Method 9014

3.5 Bedrock Borehole Geophysical Survey

Borehole geophysical surveys were completed at the six deeper bedrock monitoring wells (MW12-21 through MW12-26) and seven shallow bedrock monitoring wells (MW12-02, MW12-04, MW12-07, MW12-11, MW12-12, MW12-27, and MW12-28). The borehole geophysical surveys were completed by RETTEW Field Services, Inc. (RETTEW) between April 22 and April 25, 2019. Geophysical tools employed included:

- Optical televiewer (OPTV),
- Mechanical (3-arm) caliper,
- Natural gamma, and
- Electromagnetic (EM) induction.

Explanation of the capabilities and methodologies associated with each geophysical tool is included in geophysical report prepared by RETTEW provided in **Appendix E.** Results of the geophysical survey are discussed in Section 4.

3.6 Hydraulic Conductivity Testing

To estimate the horizontal hydraulic conductivity of the shallow and deeper bedrock, in-situ hydraulic conductivity testing was attempted at each of the 25 shallow bedrock monitoring wells and at each of the six deeper bedrock monitoring wells. Rising head tests were attempted in each shallow bedrock monitoring except for MW12-27 at which a falling head test was performed.

The observed hydraulic conductivity test responses in the tested wells were analyzed using straight-line curve matching software (AQTESOLV) and the Bouwer-Rice (1976) solution method for unconfined aquifers. The hydraulic conductivity responses from each test were plotted as normalized head versus time on log-linear plots. Straight-line curve matching plots are provided in **Appendix F**. The resulting hydraulic conductivity estimates for the shallow and deeper bedrock are summarized in **Table 3-2**.

As summarized below, evaluation of hydraulic conductivity tests at 11 of the 23 shallow bedrock monitoring well locations and four of the six deeper bedrock monitoring wells were not completed due to no water level recovery, very slow water level recovery percentage from initial displacements, the well was dry at the time of testing, or insufficient water column:

- No water level recovery was observed in shallow bedrock monitoring wells MW-2 and MW-3 after approximately 7 days of monitoring;
- Less than 10% water level recovery was observed at shallow bedrock monitoring wells MW-1, MW12-05, MW12-06, MW12-09, MW12-16, MW12-17, and MW12-28 after between approximately 5 and 8 days of monitoring;
- Approximately 40% water level recovery was observed at shallow bedrock monitoring well MW12-01 after approximately 5 days of monitoring;
- Approximately 60% water level recovery was observed at shallow bedrock well MW12-20 after approximately 7 days of monitoring;
- Deeper bedrock monitoring well MW12-22 was dry;
- Deeper bedrock monitoring well MW12-23 only had 0.5-ft of water column;
- Approximately 2% water level recovery was observed at deeper bedrock monitoring well MW12-25 after approximately 8 days of monitoring; and,
- Approximately 5% water level recovery was observed at deeper bedrock monitoring well MW12-26 after approximately 7 days of monitoring.

Results of the hydraulic conductivity testing is discussed in Section 4.

3.7 Analytical Laboratories and Data Validation

Soil samples collected during the RI were analyzed by Con-Test. Groundwater samples were analyzed by Con-Test and Test America, and Eurofins Environment Testing America. Analytical laboratory data was received in Category B analytical data packages and electronic data deliverable (EDD) format. Data validation was performed by Data Validation Services and Vali-Data of WNY, LLC on samples collected during the RI. The analytical data packages are included in **Appendix G**. data usability summary reports (DUSR) are provided in **Appendix H**.

3.8 Survey

Fisher Associates was subcontracted to perform the survey of the soil boring and monitoring well locations. Horizontal coordinates were surveyed in North American Datum of 1983 (CORS 2007) New York State Plane Coordinate System, Central Zone. Elevations of the ground surface, rim of well cover, and top of well were surveyed to the nearest 0.01-ft for each well location using the National American Vertical Datum of 1988 (NAVD88). Survey data is provided in **Appendix I**.

3.9 Investigation-derived Waste Management

Investigation-derived waste (IDW), including drill cuttings, decontamination rinsates, well development water, and groundwater sampling purge water were contained in 55-gallon drums and staged on-Site. IDW generated at off-Site locations was also staged on-Site. Each type of IDW was placed in the appropriate container, properly labeled, and moved to the staging area. IDW was characterized prior to final disposition. Veolia Environmental Services transported 28 drums of non-hazardous water, 11 drums of non-hazardous soil and rock chips, and 1 drum of non-hazardous personnel protective equipment and plastic sheeting to Veolia ES Technical Solutions, LLC West Carrollton, Ohio facility for disposal. Waste characterization analytical results and waste disposal manifests are provided in **Appendix J**.

4. Site Characteristics

4.1 Regional Climate

The Site region has a humid continental climate with four distinct seasons. The average annual high temperature is 55.2°F. The average annual low temperatures 36.8ºF. The average annual temperature is 46°F. Precipitation falls throughout the year and the region, on average receives 43 inches of rain and 114 inches of snow per year.

4.2 Surface Water Hydrology

There are no surface water bodies present on the Site. The nearest surface water body is the Black River, which, at its nearest point is located approximately 3,400 feet northeast relative to the Site.

4.3 Site Geology

The Site exhibits little topographic relief with an elevation change of less than 12 feet. The unconsolidated deposits consist of very fine sands and clayey silts. The overburden unit is thin, extending approximately 3 to 6-ft below grade. Below the overburden unit lies limestone bedrock of the Kirkland and Rockland Formation of the Trenton Group. The bedrock is primarily gray, thinly bedded, fossiliferous, fine-grained limestone with dark gray to black, thin, shaley interbeds. Primary bedrock fractures are along horizontal bedding planes, with few vertical fractures. Top of bedrock contours developed using information obtained from the drilling logs are shown on **Figure 4-1**. As shown on **Figure 4-1**, the highest bedrock elevations are beneath the northern portion of the Site and beneath former manufacturing building. The bedrock surface slopes downward from this area to the north, west, and south.

Underlying the Trenton Group limestones is the Chaumont Formation of the Black River Group. The contact between the Rockland Formation and underlying Chaumont Formation is gradational, but likely occurs between elevation 390 to 380 feet based on steep changes in topographic slopes. The Chaumont Formation is susceptible to development of karst features. At the direction of NYSDEC, the deeper bedrock monitoring wells were installed to screen bedrock between approximately 30 to 40-feet below grade (between elevation 440 to 420 feet) to avoid drilling into the Chaumont Formation and potentially encountering karst features and potentially cross-connecting impacted shallow bedrock groundwater with groundwater in the deeper Chaumont Formation. Regionally the bedrock dips gently (1 to 2 degrees) to the south-southwest, away from the Black River.

As discussed in Section 3, hydraulic conductivity testing was attempted at 23 of the 25 shallow bedrock monitoring wells and four of the six deeper bedrock monitoring wells. Successful tests generating usable data were achieved at 11 of the 23 shallow bedrock monitoring well locations and two of the four deeper bedrock monitoring well locations. The results of the testing indicated hydraulic conductivities in the shallow bedrock ranging between 0.0007 feet per day (ft/day) at MW12-03 to 2.2 ft/day at MW12-14 with a geometric mean of 0.013 ft/day. The results of the testing indicated hydraulic conductivities in the deeper bedrock ranging between 0.0021 feet per day (ft/day) at MW12-27 to 0.2068 ft/day at MW12-24 with a geometric mean of 0.021 ft/day. The hydraulic conductivity test results and observations of very slow rates of recovery at numerous well locations suggest that the bedrock can be characterized as having low permeability.

Review of the geophysical results, and in particular the OPTV logs (provided in **Appendix E**), suggests that there are few open planar features present in the bedrock underlying the Site. OPTV logging was completed at 10 open bedrock monitoring wells. Of these, seven locations (MW12-21, MW12-22, MW12-23, MW12-25, MW12-26, MW12-27, and MW12-28) exhibited no observable open or partially open joints/fractures. Monitoring wells MW12-04 and MW12-12 each exhibited one open joint/fracture. The open joint/fracture observed in MW12-04 was observed at 450.11 ft above NAVD88 and was reported to have an aperture of 2.2 inches, while the open joint/fracture observed in MW12-12 was observed at an elevation of 449.29 ft (approximately 17 ft bgs) and exhibited an aperture less than 0.019 inches. The open joints/fractures from MW12-04 and MW12-12 were consistent with bedding plane joints/fractures. The sub-vertical joint/fracture observed in MW12-24 from approximately 37.6 to 42.4 ft below the top of the casing reportedly and had apertures of less than approximately 0.019 inches. MW12-24 exhibited a partially open sub-vertical joint/fracture at elevations between 431.3 to 426.5 ft (36.2 to 41 ft bgs) that was interpreted as three open joints/fractures by RETTEW. The higher angle of inclination of the partially open MW12-24 joint/fracture is consistent with brittle deformation of the rock and crosscuts the depositional structure of the bedrock with no visible offset of the bedding. Iron staining along the MW12-24 sub-vertical joint/fracture could be consistent with the movement of iron-rich groundwater along the fracture plane.

4.4 Site Groundwater

Based on the RI, groundwater is not present in the overburden. Although some moisture was noted to be present at the overburden/bedrock interface in a few locations this water is localized and temporal in nature, likely resulting from infiltration from precipitation or snow melt events.

The uppermost groundwater occurrence is within the shallow bedrock. Topographic lows present in the form of wetlands to the south and west of the Site and the road cut for U.S. Route 81 to the east, would suggest radial flow directions from the Site. Regional groundwater flow is toward the Black River to the north and is likely flowing in this direction through deeper bedrock of the Chaumont Formation.

Three complete rounds of synoptic groundwater levels were measured from the full shallow and deeper bedrock monitoring well network during March and July 2019 and November 2021. The groundwater levels were converted to groundwater elevations which are provided on **Table 4-1**. Shallow bedrock groundwater potentiometric contour maps of these data are provided on **Figures 4-2** through **4-4** and deeper bedrock groundwater potentiometric contour maps are provided on **Figures 4-5** through **4-7**.

Based on the shallow bedrock groundwater elevations, the flow potential in the shallow bedrock beneath the northern portion, is generally to the west-southwest, with a northerly component in the extreme northeastern portion of the Site. In the southeastern portion of the Site, an apparent groundwater divide is present where potentiometric groundwater elevations suggest flow potentials to the west-southwest in the extreme southeastern portion of the Site in the shallow bedrock beneath the southeastern portion of the Site and a potential flow component to the east-northeast across the central portion of the southern half of the Site. A southerly flow component is suggested in the extreme southeastern portion of the Site. A consistent groundwater depression is apparent along the western portion of the Site with a rough north-south orientation encompassing monitoring wells MW12-07 to the south and running northward through MW12-02,

MW12-11, and MW12-14. These are monitoring wells in which PVC wells materials were installed to support the bedrock well bores due to the presence of poor rock quality at these locations.

Based on the deeper bedrock groundwater elevations recorded during July 2019 and November 2021, the flow potential in the deeper bedrock suggests convergent flow from the southeast and northwest to a groundwater depression in the vicinity of MW12-23. The March 2019 potentiometric contours do not indicate the same flow pattern and suggesting general western and northern flow components.

Four shallow/deep bedrock well pairs installed at the site as follows:

- MW12-04/MW12-22 in the northern portion of the Site,
- MW12-07/MW12-23 west of the former manufacturing building,
- MW12-11/MW12-25 off-Site and west of the former manufacturing building, and
- MW-2/MW12-26 southwest corner of the Site

Review of the groundwater elevations associated with these well pairs indicate consistent downward hydraulic gradients from the shallow bedrock to the deeper bedrock based on the March and July 2019 and November 2021 groundwater elevations. The average downward hydraulic gradients calculated based on these groundwater elevations ranged from 0.72 ft/ft at the MW12-11/MW12-25 well nest to 2.21 ft/ft at the MW12-4/MW12-22 well nest.

5. Nature and Extent of Contamination

This section presents the nature and extent of contaminants in surface soil, near surface soil, subsurface soil, and overburden, shallow bedrock, and deeper bedrock groundwater. For discussion purposes of the nature and extent of contamination, concentrations of detected constituents in soil are compared to the following SCGs:

- *For soil:*
  - 6 CRR-NY Part 375 and CP-51 Unrestricted Use Soil Cleanup Objectives (SCOs)
  - 6 CRR-NY Part 375 and CP-51 Residential Use SCOs
  - 6 CRR-NY Part 375 and CP-51 Restricted-Residential Use SCOs
  - 6 CRR-NY Part 375 and CP-51 Commercial Use SCOs
  - 6 CRR-NY Part 375 and CP-51 Industrial Use SCOs
  - 6 CRR-NY Part 375 and CP-51 Protection of Groundwater (POGW) SCOs
  - Soil Guidance Values (SGVs) contained in the proposed revisions to CP-51 for perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS) for the following use categories: Unrestricted, Residential, Restricted-Residential, Commercial, Industrial, and POGW

- *For groundwater:*
  - 6 CRR-NY Part 703.5 standards and guidance values for Class GA groundwater

5.1 Surface Soil

Surface soil samples were collected from locations shown on **Figure 3-1**. Samples were analyzed for VOCs, SVOCs, metals, cyanide, PCBs, pesticides, 1,4-dioxane, and PFAS. Analytical results are provided in **Tables 5-1A** through **5-1F**. **Table 5-1** provides summary statistics for detected constituents in surface soil including detected concentration range, geomean detected concentration, frequency of detections, frequency of exceedances of SCGs, and frequency of locations with detection above criteria. Constituents detected at concentrations above SCGs are shown spatially on **Figures 5-1A** through **5-1D**.

VOCs

Seven surface soil samples were analyzed for VOCs. As shown on **Table 5-1A**, methylene chloride was in SS12-09 at an estimated concentration of 0.023 mg/kg, which is below the applicable SCGs. VOCs were not detected in the other surface soil samples.

SVOCs

Eighteen surface soil samples were analyzed for SVOCs. As shown on **Table 5-1B** and **Figure 5-1B**, SVOCs were detected in 10 surface soil samples. SVOCs were detected at concentrations above one or more of the SCGs in five of these 10 samples, namely SS13-01, SS13-02, SSB-03, SSB-04, and SSB-11. SVOCs detected at concentrations exceeding one or more of the SCGs are as follows:

Constituent	Range in Concentration (mg/Kg)	Frequency of Samples Exceeding SCO Use Category	SCO Use Category
Benzo(a)anthracene	0.062 J – 53 J	4 / 18	Unrestricted
		4 / 18	Residential
		4 / 18	Restricted-Residential
		2 / 18	Commercial
		2 / 18	Industrial
Benzo(a)pyrene	0.064 J – 54 J	3 / 18	Unrestricted
		3 / 18	Residential
		3 / 18	Restricted-Residential
		2 / 18	Commercial
		2 / 18	Industrial
Benzo(b)fluoranthene	0.094 J – 86 J	4 / 18	Unrestricted
		4 / 18	Residential
		4 / 18	Restricted-Residential
		3 / 18	Commercial
		2 / 18	Industrial
Benzo(k)fluoranthene	0.39 - 28	3 / 18	Unrestricted
		3 / 18	Residential
		2 / 18	Restricted-Residential
		0 / 18	Commercial
		0 / 18	Industrial
Chrysene	0.073 J – 72 J	4 / 18	Unrestricted
		4 / 18	Residential
		3 / 18	Restricted-Residential
		1 / 18	Commercial
		0 / 18	Industrial
Dibenzo(a,h)anthracene	0.11 J – 9.1	4 / 18	Unrestricted
		4 / 18	Residential
		4 / 18	Restricted-Residential
		3 / 18	Commercial
		2 / 18	Industrial
Fluoranthene	0.11 J – 150	2 / 18	Unrestricted
		2 / 18	Residential
		2 / 18	Restricted-Residential
		0 / 18	Commercial
		0 / 18	Industrial
Indeno(1,2,3-cd)pyrene	0.21 J – 48 J	5 / 18	Unrestricted
		5 / 18	Residential
		5 / 18	Restricted-Residential
		2 / 18	Commercial
		2 / 18	Industrial

The SVOCs detected above SCOs are polycyclic aromatic hydrocarbons (PAHs), which are commonly associated with asphalt, tars, and creosote, among other combustion-related byproducts. As shown on **Figure 5-1B**, the surface soil samples were located along the northern, eastern, and western perimeters of the Site between the asphalt parking lot on the east side of

the former manufacturing building and Coffeen Street, I-81, and Salmon Run Mall Road. The ground elevations where these samples were collected are lower than the parking lot and these roadways, and the presence of these PAHs may be associated with run-off from these asphalt areas. In addition, at the time of initiation of RI field activities, the northern portion of the asphalt parking lot located east of the former manufacturing building was used to store wooden power poles that were noted to be coated with black residue, which could likely be creosote or a similar product. The presence of SVOCs in the surface soil samples are not considered to be related to historic operations.

SVOCs detected in surface soil samples SS12-06, SS12-08, SS12-09, SSB-02, and SSB-08 were below Part 375 SCOs. SVOCs were not detected in surface soil samples SS12-05, SS12-07, SSB-05, SSB-06, SSB-07, SSB-09, SSB-10, and SSB-12.

Metals and Cyanide
Seven surface soil samples were analyzed for metals and cyanide. As shown on **Table 5-1C** and **Figure 5-1C**, four metals (arsenic, iron, lead, and zinc) were detected at concentrations above one or more SCGs as follows:

Constituent	Range in Concentration (mg/Kg)	Frequency of Samples Exceeding SCO Use Category	SCO Use Category
Arsenic	1.31 J - 14	1 / 7	Unrestricted
		0 / 7	Residential
		0 / 7	Restricted-Residential
		0 / 7	Commercial
		0 / 7	Industrial
Iron	8,300 – 36,000	0 / 7	Unrestricted
		7 / 7	Residential*
		0 / 7	Restricted-Residential
		0 / 7	Commercial
		0 / 7	Industrial
Lead	1.9 – 110 J	1 / 7	Unrestricted
		0 / 7	Residential
		0 / 7	Restricted-Residential
		0 / 7	Commercial
		0 / 7	Industrial
Zinc	22 J – 200 J	1 / 7	Unrestricted
		0 / 7	Residential
		0 / 7	Restricted-Residential
		0 / 7	Commercial
		0 / 7	Industrial

*CP-51 Supplemental Residential SCO

Cyanide was only detected in the field duplicate sample for SS12-06. The detected concentration of 0.88 mg/kg is below the applicable SCGs.

PCBs
Seven surface soil samples were analyzed for PCBs. As shown on **Table 5-1D**, PCBs were not detected in the surface soil samples.

Pesticides
Seven surface soil samples were analyzed for pesticides. As shown on Table **5-1E** and **Figure 5-1D**, one pesticide (4,4-DDT) was detected at a concentration above one or more SCGs as shown below. None of the other detected pesticide concentrations exceeded the Part 375 SCOs.

Constituent	Range in Concentration (mg/Kg)	Frequency of Samples Exceeding SCO Use Category	SCO Use Category
4-4-DDT	0.0015 J – 0.134 J	1 / 7	Unrestricted
		0 / 7	Residential
		0 / 7	Restricted-Residential
		0 / 7	Commercial
		0 / 7	Industrial

PFAS
Three surface soil samples were analyzed for PFAS. As shown on **Table 5-1F**, perfluorooctanesulfonic acid (PFOS) was the only PFAS constituent detected. PFOS was detected in the SSB-11 sample at an estimated concentration of 0.00032 mg/kg which is below the applicable SGVs. Other PFAS constituents were not detected in samples from SSB-02 or SSB-06.

5.2 Near-Surface Soil

Near-surface soil samples were collected from locations shown on **Figure 3-1**. Samples were analyzed for VOCs, SVOCs, metals, cyanide, PCBs, pesticides, 1,4-dioxane, and PFAS. Analytical results are provided in **Tables 5-2A** through **5-2F**. **Table 5-2** provides summary statistics for detected constituents in near-surface soil including detected concentration range, geomean detected concentration, frequency of detections, frequency of exceedances of SCGs, and frequency of locations with detection above criteria. Constituents detected at concentrations above SCGs are shown spatially on **Figures 5-1A** through **5-1D**.

VOCs
Nineteen near-surface soil samples were analyzed for VOCs. As shown on **Table 5-2A** and **Figure 5-1A**, one VOC (acetone) was detected at concentrations above one or more SCGs as follows:

Constituent	Range in Concentration (mg/Kg)	Frequency of Samples Exceeding SCO Use Category	SCO Use Category
Acetone	0.031 J – 0.44 J	4 / 19	Unrestricted
		0 / 19	Residential
		0 / 19	Restricted-Residential
		0 / 19	Commercial
		0 / 19	Industrial
		4 / 19	Protection of GW

Eight other VOCs were detected but at concentrations below applicable SCGs.

SVOCs

Nineteen near-surface soil samples were analyzed for SVOCs. As shown on **Table 5-2B** and **Figure 5-1B**, SVOCs were detected in nine near-surface soil samples. SVOCs were detected at concentrations above one or more of the SCGs in two of these samples as follows:

Constituent	Range in Concentration (mg/Kg)	Frequency of Samples Exceeding SCO Use Category	SCO Use Category
Benzo(a)anthracene	0.16 J – 1.9	1 / 19	Unrestricted
		1 / 19	Residential
		1 / 19	Restricted-Residential
		0 / 19	Commercial
		0 / 19	Industrial
Benzo(a)pyrene	0.18 J – 2 J	1 / 19	Unrestricted
		1 / 19	Residential
		1 / 19	Restricted-Residential
		1 / 19	Commercial
		1 / 19	Industrial
Benzo(b)fluoranthene	0.21 J – 2.8 J	2 / 19	Unrestricted
		2 / 19	Residential
		2 / 19	Restricted-Residential
		0 / 19	Commercial
		0 / 19	Industrial
Benzo(k)fluoranthene	0.11 J – 1.2	1 / 19	Unrestricted
		1 / 19	Residential
		0 / 19	Restricted-Residential
		0 / 19	Commercial
		0 / 19	Industrial
Chrysene	0.18 J – 2.1 J	1 / 19	Unrestricted
		1 / 19	Residential
		0 / 19	Restricted-Residential
		0 / 19	Commercial
		0 / 19	Industrial
Indeno[1,2,3-cd]pyrene	0.14 J – 1.7	2 / 18	Unrestricted
		2 / 18	Residential
		2 / 18	Restricted-Residential
		0 / 18	Commercial
		0 / 18	Industrial

Similar to the SVOCs detected in surface soil, the SVOCs detected above SCGs in near-surface soil are PAHs, which are commonly associated with asphalt, tars, and creosote, among other combustion-related byproducts. As shown on **Figure 5-1B**, the surface soil samples collected at SSB-03 and SSB-04 where SVOCs were detected at concentrations above SCGs, were located along the eastern and southern edges of the asphalt parking lot on the east side of the former manufacturing building. The ground elevations where these samples were collected are lower than the parking lot, and the presence of these PAHs may be associated with run-off from these

asphalt areas. In addition, at the time of initiation of RI field activities, the northern portion of the asphalt parking lot located east of the former manufacturing building was used to store wooden power poles that were noted to be coated with black residue, which could likely be creosote or a similar product. The presence of SVOCs in the near-surface soil samples are not considered to be related to historic operations.

Metals and Cyanide
Thirteen near-surface soil samples were analyzed for metals and cyanide. As shown on **Table 5-2C** and **Figure 5-1C**, two metals (iron and mercury) were detected at concentrations above one or more SCGs as follows:

Constituent	Range in Concentration (mg/Kg)	Frequency of Samples Exceeding SCO Use Category	SCO Use Category
Iron	5,600 – 30,000	0 / 13	Unrestricted
		13 / 13	Residential*
		0 / 13	Restricted-Residential
		0 / 13	Commercial
		0 / 13	Industrial
Mercury	0.015J – 0.19	1 / 13	Unrestricted
		0 / 13	Residential
		0 / 13	Restricted-Residential
		0 / 13	Commercial
		0 / 13	Industrial

*CP-51 Supplemental Residential SCO

Cyanide was only detected in the near-surface soil sample collected at SS12-04 (0 to 6-in). The estimated detected concentration of 0.59 mg/kg is below the applicable SCGs.

PCBs
Thirteen near-surface soil samples were analyzed for PCBs. As shown on **Table 5-2D**, PCBs were not detected in the near-surface soil samples.

Pesticides
Seven near-surface soil samples were analyzed for pesticides. As shown on **Table 5-2E**, pesticides were not detected in the near-surface soil samples.

PFAS
Three near-surface soil samples were analyzed for PFAS. As shown on **Table 5-2F**, PFAS constituents were detected in the near-surface soil samples collected at SSB-08 (2 to 12-in), SSB-09 (2 to 12-in), and SSB-12 (2 to 12-in). The detected PFOS and PFOA concentrations were below the SGVs listed in CP-51s.

5.3 Subsurface Soil

Subsurface soil samples were collected from 44 soil borings advanced within the Site boundaries. Each sample was analyzed for VOCs, SVOCs, metals (including cyanide), PCBs, and pesticides. Analytical results are provided in **Tables 5-3A** through **5-3E**, respectively. **Table 5-3** provides summary statistics for detected constituents in subsurface soil including detected concentration

range, geomean detected concentration, frequency of detections, frequency of exceedances of SCGs, and frequency of locations with detection above criteria. Constituents detected at concentrations above SCGs are shown spatially on **Figures 5-2A** through **5-2D**.

VOCs

Forty-four subsurface soil samples were analyzed for VOCs. As shown on **Table 5-3A** and **Figure 5-2A**, one VOC (acetone) was detected at concentrations above one or more SCGs as follows:

Constituent	Range in Concentration (mg/Kg)	Frequency of Samples Exceeding SCO Use Category	SCO Use Category
Acetone	0.076 J – 15 J	29 / 44	Unrestricted
		0 / 44	Residential
		0 / 44	Restricted-Residential
		0 / 44	Commercial
		0 / 44	Industrial
		29 / 44	Protection of GW

Eight other VOCs were detected but at concentrations below applicable SCGs.

SVOCs

Forty-four subsurface soil samples were analyzed for SVOCs. As shown on **Table 5-3B** and **Figure 5-2B**, seven SVOCs were detected in subsurface soil samples at concentrations exceeding SCGs as follows:

Constituent	Range in Concentration (mg/Kg)	Frequency of Samples Exceeding SCO Use Category	SCO Use Category
Benzo(a)anthracene	0.22 J – 6.6	3 / 44	Unrestricted
		3 / 44	Residential
		3 / 44	Restricted-Residential
		1 / 44	Commercial
		0 / 44	Industrial
Benzo(a)pyrene	0.22 J – 5.4	3 / 44	Unrestricted
		3 / 44	Residential
		3 / 44	Restricted-Residential
		0 / 44	Commercial
		0 / 44	Industrial
Benzo(b)fluoranthene	0.23 – 6.4	3 / 44	Unrestricted
		3 / 44	Residential
		3 / 44	Restricted-Residential
		1 / 44	Commercial
		0 / 44	Industrial
Benzo(k)fluoranthene	0.58 – 2.4	2 / 44	Unrestricted
		2 / 44	Residential
		0 / 44	Restricted-Residential
		0 / 44	Commercial
		0 / 44	Industrial

Constituent	Range in Concentration (mg/Kg)	Frequency of Samples Exceeding SCO Use Category	SCO Use Category
Chrysene	0.22 J – 6.5	3 / 44	Unrestricted
		3 / 44	Residential
		1 / 44	Restricted-Residential
		0 / 44	Commercial
		0 / 44	Industrial
Dibenzo(a,h)anthracene	0.22 – 1.2	2 / 44	Unrestricted
		2 / 44	Residential
		2 / 44	Restricted-Residential
		1 / 44	Commercial
		1 / 44	Industrial
Indeno(1,2,3-cd)pyrene	0.22 J – 4.1	3 / 44	Unrestricted
		3 / 44	Residential
		3 / 44	Restricted-Residential
		0 / 44	Commercial
		0 / 44	Industrial

Exceedance of SCGs were limited to three soil boring locations, SB12-07, SB12-12, and SB12-22 located in separate areas of the Site. The detected concentrations at two of the locations are less than 2 mg/kg and concentrations detected at a third location, SB12-07, located near the former septic tank and leachfield were less than 7 mg/kg.

Metals and Cyanide

Forty-four subsurface soil samples were analyzed for metals and cyanide. As shown on **Table 5-3C** and **Figure 5-2C**, seven metals were detected at concentrations above one or more SCGs as follows:

Constituent	Range in Concentration (mg/Kg)	Frequency of Samples Exceeding SCO Use Category	SCO Use Category
Arsenic	2.8 J - 20	2 / 44	Unrestricted
		1 / 44	Residential
		1 / 44	Restricted-Residential
		1 / 44	Commercial
		1 / 44	Industrial
Chromium	4.3 - 37	6 / 44	Unrestricted
		1 / 44	Residential
		0 / 44	Restricted-Residential
		0 / 44	Commercial
		0 / 44	Industrial
Copper	2.5 – 53 J	1 / 44	Unrestricted
		0 / 44	Residential
		0 / 44	Restricted-Residential
		0 / 44	Commercial
		0 / 44	Industrial
Iron	4,500 – 36,000	44 / 44	Residential*

Constituent	Range in Concentration (mg/Kg)	Frequency of Samples Exceeding SCO Use Category	SCO Use Category
Lead	1.6 - 190	1 / 44	Unrestricted
		0 / 44	Residential
		0 / 44	Restricted-Residential
		0 / 44	Commercial
		0 / 44	Industrial
Manganese	230 – 1,900	1 / 44	Unrestricted
		0 / 44	Residential
		0 / 44	Restricted-Residential
		0 / 44	Commercial
		0 / 44	Industrial
Mercury	0.026 – 0.29	2 / 44	Unrestricted
		0 / 44	Residential
		0 / 44	Restricted-Residential
		0 / 44	Commercial
		0 / 44	Industrial
Zinc	17 – 390 J	2 / 44	Unrestricted
		0 / 44	Residential
		0 / 44	Restricted-Residential
		0 / 44	Commercial
		0 / 44	Industrial

*CP-51 Supplemental Residential SCO

Cyanide was detected in 19 of the 44 subsurface soil samples. None of the detected concentrations exceeded applicable SCGs.

PCBs
As shown on **Table 5-3D**, Aroclor-1260 was detected in the SB12-32 (1 to 3.9-ft) sample at a concentration of 0.098 mg/kg which is below applicable SCGs. PCBs were not detected in the other 43 soil samples analyzed.

Pesticides
As shown on **Table 5-3E** and **Figure 5-2D**, 4,4-DDT was the only pesticide detected. It was detected in one sample, SB12-22 (0 to 3-ft), at an estimated concentration of 0.0037 mg/kg, which is slightly above the Part 375 Unrestricted SCO of 0.0033 mg/kg. The detection of 4,4-DDT was qualified by the laboratory as tentative.

5.4 Groundwater

5.4.1 Overburden Groundwater

As indicated previously, two temporary monitoring wells, TW12-01 and TW12-03, were installed in the overburden. TW12-01 was dry at the time of development and remained dry throughout each of the subsequent groundwater sampling events. A groundwater sample was collected on one occasion from TW12-03. During subsequent groundwater sampling events this temporary monitoring well was dry. TW12-03 was co-located with soil boring SB12-36 within the southern portion of the former manufacturing building. The TW12-03 sample was analyzed for VOCs,

SVOCs, metals (including cyanide), PCBs, and pesticides. Analytical results are provided in **Tables 5-4A** through **5-4E**, respectively.

VOCs
As shown on **Table 5-4A**, eight VOCs were detected in the TW12-03 overburden groundwater sample. Of these, 1,1,1-TCA, 1,1-DCA, 1,1-DCE, and 1,2-DCA were detected at concentrations of 170 µg/L, 6.4 µg/L, 5.8 µg/L, and 1 µg/L (estimated), respectively, which are above their respective Class GA SCGs.

SVOCs
As shown on **Table 5-4B**, SVOCs were not detected in the TW12-03 groundwater sample.

Inorganics
As shown on **Table 5-4C**, nine inorganics were detected in the TW12-03 groundwater sample, none of which exceeded Class GA SCGs.

PCBs
As shown on **Table 5-4D**, PCBs were not detected in the TW12-03 groundwater sample.

Pesticides
As shown on **Table 5-4E**, pesticides were not detected in the TW12-03 groundwater sample.

5.4.2 Shallow Bedrock Groundwater

Table 3-1 provides a summary of the monitoring wells included in each sampling event and the associated analytical parameters. VOC, SVOC, metals (including cyanide), PCBs, pesticides, and PFAS analytical results are provided in **Tables 5-5A** through **5-5F**, respectively. **Table 5-5** provides summary statistics for detected constituents in groundwater generated during the investigations from 2012 through 2021. This table presents detected concentration range, geomean detected concentration, frequency of detections, frequency of exceedances of Class GA SCGs and frequency of locations with detection above criteria. VOCs detected at concentrations above Class GA SCGs are presented spatially on **Figure 5-3A**. The discussion below includes all of the groundwater sampling results collected during the RI.

VOCs
As shown on **Table 5-5A**, 27 VOCs were detected in the shallow bedrock groundwater samples. Of these VOCs, eight were detected at concentrations above Class GA SCGs. Of the eight VOCs detected at concentrations above Class GA SCGs, 1,1,1-TCA, 1,1-DCA, 1,1-DCE, and CFC-113 are considered COCs given their frequency of detection and magnitude in concentration. As shown on **Figure 5-3A**, one or more COCs were detected in 11 of the 26 shallow bedrock monitoring wells, including MW-2, MW12-02, MW12-04, MW12-07, MW12-08, MW12-10, MW12-11, MW12-12, MW12-14, MW12-18, and TW12-02.

1,1,1-TCA was the most frequently detected VOC and was detected above Class GA SCGs in 11 of the 26 shallow bedrock groundwater monitoring wells. Detected concentrations of 1,1,1-TCA ranged from an estimated concentration of 0.98 µg/L at MW12-28 (3/14/19) to 1,600 µg/L at MW12-07 (3/14/19). 1,1-DCA was detected nearly as frequent as 1,1,1-TCA at concentrations above Class GA SCGs in 10 shallow bedrock groundwater monitoring wells. Detected

concentrations of 1,1-DCA ranged from an estimated concentration of 0.383 µg/L (11/12/15) at MW12-20 to 1,400 µg/L at MW12-12c (11/12/15). Detected concentrations of CFC-113 ranged from an estimated concentration of 1 µg/L at MW-2 to 290 µg/L at MW12-07 and was detected in seven of the 26 shallow bedrock monitoring wells at concentrations above Class GA SCGs. Detected concentrations of 1,1-DCE ranged from an estimated concentration of 0.217 µg/L at MW12-10 (11/6/13) to 42 µg/L at MW12-07 (3/14/19) and was detected in five of the 26 shallow bedrock monitoring wells at concentrations above Class GA SCGs.

Other VOCs including 1,2-DCA, benzene, bromomethane, and chloroethane were detected at concentrations above Class GA SCGs. .Table 5-5 provides information pertaining to the range of concentration and detection frequencies associated with these constituents. The remaining VOCs detected were below Class GA SCGs.

In general, the groundwater concentrations at most of the well locations did not exhibit a trend across time with concentration generally fluctuating slightly within the same order of magnitude. In some instances, the initial sample collected was the highest concentration observed. Concentrations of VOCs in wells MW-2 located near the former septic tank on the south end of the property and MW12-04 on the north end of the property fluctuated more than others. A slight decrease in the VOC concentrations was noted in wells MW12-02 and MW12-14 over the monitoring period and concentrations of VOCS from the most recent sample from well MW12-12 (11/19/21) was lower by an order of magnitude than the previous sampling events.

SVOCs

As shown on **Table 5-5B**, three SVOCs (fluoranthene, pyrene, and 1,4-dioxane) were detected in shallow bedrock groundwater. The spatial distribution of SVOCs detected in shallow bedrock groundwater is shown on **Figure 5-3B**. Of these, the predominant SVOC detected was 1,4-dioxane, which was detected in 23 of the 33 samples analyzed. Detected concentrations of 1,4-dioxane ranged from 0.13 µg/L (estimated) at MW12-18 (11/18/21) to 970 µg/L at MW12-12 (7/24/19). 1,4-dioxane was detected at concentrations above Class GA SCGs at 15 of the 25 shallow bedrock monitoring well locations (MW-1, MW-2, MW-3, MW12-02, MW12-03, MW12-04, MW12-07, MW12-08, MW12-11, MW12-12, MW12-13, MW12-14, MW12-19, MW12-20, and MW12-27). Given the frequency of detection and magnitude in concentration, 1,4-dioxane is considered a COC. Samples for 1,4 dioxane analysis were collected in 2019 and 2021 and not all wells were sampled during each of the events and therefore trends could not be assessed. However, the sample collected from MW12-02 in July of 2019 was 22 µg/Ll and the sample collected in November 2021 was reported to be much lower at 5.8 µg/L.

Two other SVOCs were detected in one or more samples. Fluoranthene was detected at MW12-01 and TW12-02, each at an estimated concentration of 0.5 µg/L. Pyrene was detected at TW12-02 at an estimated concentration of 1 µg/L.

Inorganics

As shown on **Table 5-5C**, 18 metal constituents and cyanide were detected in the shallow bedrock groundwater. Shallow groundwater samples were analyzed for inorganics on one occasion in December 2012. Of the inorganic constituents detected, arsenic, iron, magnesium, manganese, and sodium were detected at concentrations above Class GA SCGs. The spatial distribution of these inorganics is shown on **Figure 5-3C**. Arsenic was detected at MW12-01 and

MW12-05 at concentrations of 0.15 mg/L and 0.012 mg/L, respectively. The arsenic concentration at MW12-01 was above its Class GA SCG of 0.025 mg/L. The MW12-01 location is hydraulically upgradient of the former manufacturing facility and MW12-05 in the extreme southeastern portion of the Site and is relatively distant from the potential source areas. Iron was detected above its Class GA SCG at eight of the 10 monitoring wells at concentrations ranging from 0.34 mg/L at MW12-03 to 45 mg/L at MW-3. Magnesium was detected above its Class GA SCG at five of the ten monitoring wells at concentrations ranging from 36 mg/L at MW-1 to 170 mg/L at MW12-05. Manganese was detected above its Class GA SCG at MW12-01 at a concentration of 1.1 mg/L. Sodium was detected above its Class GA SCG at nine of the 10 monitoring wells at concentrations ranging from 22 mg/L at MW12-02 to 630 mg/L at MW-1. These inorganics are considered to be naturally occurring and not site related COCs.

PCBs
As shown on **Table 5-5D**, PCBs were not detected in the shallow bedrock groundwater samples.

Pesticides
As shown on **Table 5-5E**, pesticides were not detected in the shallow bedrock groundwater samples.

PFAS
Three groundwater samples were analyzed for PFAS. As shown on **Table 5-5F**, eight PFAS constituents were detected. Class GA SCGs have been established for PFOS and PFOA. PFOS was detected in the groundwater samples collected from two of the locations, MW12-02 and MW12-11, at estimated concentrations of 3.1 nanograms per liter (ng/L) and 4.8 ng/L, respectively, which are above the Class GA SCG of 2.7 ng/L.

5.4.3 Deeper Bedrock Groundwater

Table 3-1 provides a summary of the monitoring wells included in each sampling event and the associated analytical parameters. VOC and 1,4-dioxane analytical results are provided in **Tables 5-6A** and **5-6B**, respectively. **Table 5-6** provides summary statistics for detected constituents in deeper bedrock groundwater including detected concentration range, geomean detected concentration, frequency of detections, frequency of exceedances of Class GA SCGs and frequency of locations with detection above criteria. VOCs and 1,4-dioxane detected at concentrations above Class GA SCGs are presented spatially on **Figures 5-4A** and **5-4B**, respectively. The discussions below incorporate the analytical data collected between 2019, when the wells were installed, and 2021.

VOCs
As shown on **Table 5-6A**, 14 VOCs were detected in the deeper bedrock groundwater samples. Of these VOCs, nine were detected at concentrations above Class GA SCGs in one or more of the deeper bedrock monitoring wells as follows:

- 1,1,1-TCA was detected in MW12-21 ranging from 36 µg/L to 46 µg/L and MW12-24 ranging from 680 µg/L to 1,300 µg/L.
- CFC-113 was detected in MW12-24 ranging from 9.1 µg/L (estimated) to 11 µg/L.
- 1,1-DCA was detected in MW12-21 ranging from 30 µg/L to 57 µg/L and MW12-24 ranging from 220 µg/L to 500 µg/L.

- 1,1-DCE was detected in MW12-24 ranging from 11 µg/L to 68 µg/L.
- Acetone was detected in MW12-26 ranging from 34 µg/L to 530 µg/L.
- Benzene was detected in MW12-22 at 2.9 µg/L and MW12-26 at concentrations ranging from 0.56 µg/L (estimated) to 5.3 µg/L.
- Chloroethane was detected in MW12-21 at a concentration of 19 µg/L (estimated).
- 2-butanone was detected in MW12-26 at a concentration of 79 µg/L.
- Toluene was detected in MW12-26 at a concentration of 5.7 µg/L.

Of note the concentration of acetone, benzene and toluene in MW12-26 were below criteria in the samples collected in 2021.

1,4-Dioxane
As shown on **Table 5-6B**, 1,4-dioxane was detected in three of the four deeper bedrock groundwater monitoring wells. The 1,4-dioxane concentrations ranged from 4.2 µg/L at MW12-25 to 67 µg/L at MW12-24. Each of the detected concentrations were above the Class GA SCG.

5.5 Nature and Extent Summary

Surface soil
The only SVOCs detected in surface soil samples were PAH compounds. As shown on **Figure 5-1B**, PAH impacts in surface soil are limited in areal extent to one location (SS13-01) in the northern portion of the Site and three locations (SS13-02, SSB-03, and SSB-04 along the eastern portion of the Site and SSB-11 along the western portion of the Site adjacent to Salmon Run Mall Road). Concentrations of one or more of these PAHs were detected above Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs. As indicated previously, the presence of the PAH compounds in surface soil samples collected at SS13-01, SS13-02, SSB-03, and SSB-04 may be attributed to proximity to roadways (Coffeen Street, Interstate 81, and Salmon Run Mall Road), the deteriorated parking lot along the eastern portion of the Site and/or the presence of coated power poles stored in the northern portion of the eastern parking lot.

Four metal constituents (arsenic, iron, lead, and zinc) were detected at concentrations above SCGs. As shown on **Figure 5-1C**, the extent of arsenic, lead, and zinc greater than SCGs in surface soil is limited in areal extent to two locations (SS13-01 and SS12-08). Concentrations of each were detected above the Unrestricted SCO but was below other applicable SCOs. Iron was the only metal constituent that was detected at concentrations above Residential SCOs, namely the CP-51 Supplemental Residential SCO. Iron was detected in each of the seven surface soil samples collected at concentrations ranging from 8,300 mg/kg to 34,000 mg/kg. Given the widespread spatial nature of the detections and the relatively similar magnitude in concentrations in the surface soil samples, the presence of iron in surface soil may be considered representative of naturally occurring conditions.

The only pesticide constituent detected in surface soil was 4-4-DDT. As shown on **Figure 5-1D**, the extent of 4-4-DDT impacts in surface soil is limited in areal extent to one location (SS13-01). The concentration of 4-4-DDT was above the Unrestricted SCO but was below other applicable SCOs.

There were no VOCs or PFAS detected at concentrations above the Unrestricted SCOs. PCBs were not detected.

Near-surface soil
Acetone was the only VOC detected at concentrations above SCOs in near-surface soil. As shown on **Figure 5-1A**, the extent of acetone detected in near-surface soil is limited in areal extent to four locations (SB12-20 and SB12-43 west of the former manufacturing building, SSB-08 in the undeveloped southern portion of the Site, and SSB-09 in the vicinity of the former leachfield in the southern portion of the Site). Where detected, concentrations acetone ranged from 0.02 mg/kg to 0.44 mg/kg with four samples above the Unrestricted and POGW SCOs. There were no detected concentrations of acetone above Residential, Restricted-Residential, or Commercial SCOs.

The only SVOCs detected in near-surface soil samples were PAH compounds. As shown on **Figure 5-1B**, PAH impacts in near-surface soil are limited in areal extent to two locations (SSB-03 and SSB-04) along the eastern portion of the Site. In SSB-04, concentrations of one or more of these PAHs were detected above Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs. Two PAHs were detected above the Unrestricted, Residential and Restricted-Residential SCOS in SSB-03. The presence of the PAH compounds in near-surface soil samples collected at SSB-03 and SSB-04 may be attributed to proximity to Coffeen Street, Interstate 81, the deteriorated parking lot along the eastern portion of the Site and/or the presence of coated power poles stored in the northern portion of the eastern parking lot.

Two metal constituents (mercury and iron) were detected in near-surface soil at concentrations above SCGs. As shown on **Figure 5-1C**, mercury was above the Unrestricted SCO at one location (SB12-21) west of the former manufacturing building but was below other applicable SCOs. Iron was the only metal constituent that was detected at concentrations above Residential SCOs, namely the CP-51 Supplemental Residential SCO. Iron was detected in each of the 13 near-surface soil samples collected. Given the widespread spatial nature of the detections and the relatively similar magnitude in concentrations in the surface soil samples, the presence of iron in surface soil may be considered representative of naturally occurring conditions.

There were no PFAS detected at concentrations above the Unrestricted SCOs. PCBs and pesticides were not detected.

Subsurface soil
Acetone was the only VOC detected at concentrations above SCOs in subsurface soil. As shown on **Figure 5-2A**, the extent of acetone impacts in subsurface soil is wide-spread across the Site, and detected at concentrations above the Unrestricted and POGW SCOs at 29 of the 44 subsurface sample locations with concentrations ranging from 0.076 mg/kgto 15 mg/kg. There were no detected concentrations of acetone above Residential, Restricted-Residential, or Commercial SCOs. Given that acetone was detected in subsurface soil samples removed from suspected source areas and at the extreme perimeters of the Site (SB12-42, SB12-46, and SB12-47), and within the interior of the Site where no manufacturing or disposal activities are known to have occurred (SB12-02, SB12-03, and SB12-10), it is suspect whether the detections of acetone can be attributed to historic Site operations or due to some other mechanism.

The only SVOCs detected in subsurface soil samples were PAH compounds. As shown on **Figure 5-2B**, subsurface soil containing PAHs greater than SCOs are limited in areal extent to three

locations, SB12-07 along the southern Site perimeter, SB12-12 beneath the deteriorated parking lot along the eastern portion of the Site, and SB12-22 west of the former manufacturing building. Concentrations of one or more of these PAHs were detected above Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs. The concentrations associated with the exceedances ranged from 0.36 mg/kg to 6.6 mg/kg.

Eight metal constituents (arsenic, chromium, copper, iron, lead, manganese, mercury, and zinc) were detected in subsurface soil at concentrations above SCGs. Iron was detected at concentrations above Residential SCOs, namely the CP-51 Supplemental Residential SCO in each of the 44 subsurface soil samples. Given the widespread spatial nature of the detections and the relatively similar magnitude in concentrations in the subsurface soil samples, the presence of iron in subsurface soil may be considered representative of naturally occurring conditions. Chromium concentrations greater than SCGs in subsurface soil is limited in areal extent to six of the 44 sample locations (SB12-01, SB12-02, SB12-11, SB12-25, SB12-36, and SB12-42) with concentrations ranging from 31 to 37 mg/kg. At SB12-01 (37 mg/kg), chromium was detected at a concentration above Unrestricted and Residential SCOs. SB12-01 is located off the southwest corner of the eastern parking lot. The chromium concentration detected in the other five subsurface soil samples was only above the Unrestricted SCO of 30 mg/kg. Other metal constituents detected in subsurface soil at concentrations above SCGs at two or fewer locations included:

- Arsenic at SB12-12 (20 mg/kg at 0 to 4 ft) in the vicinity of the former 10,000-gallon wastewater tank which exceeded Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs and at SB12-39 (15 mg/kg at 1 to 4 ft) beneath the slab of the former manufacturing building, which exceeded only the Unrestricted SCO.
- Copper (53 mg/kg), lead (190 mg/kg), and mercury (0.29 mg/kg) in the sample from 0 to 3 ft at SB12-22 located west of the former manufacturing building, which exceeded the Unrestricted SCO only.
- Manganese at SB12-28 (1900 mg/kg at 1 to 4 ft) beneath the western portion of the slab of the former manufacturing building, which exceeded the Unrestricted SCO only.
- Zinc at SB12-15 (120 mg/kg at 0 to 4 ft) east of the former manufacturing building and SB12-22 west of the former manufacturing building, both of which exceeded the Unrestricted SCO only.

As shown on **Table 5-3D**, Aroclor-1260 was detected in the SB12-32 (1 to 3.9-ft) sample at a concentration of 0.098 mg/kg which is below applicable SCGs. PCBs were not detected in the other 43 soil samples analyzed.

As shown on **Table 5-3E** and **Figure 5-2D**, 4,4-DDT was the only pesticide detected. It was detected in one sample, SB12-22 (0 to 3-ft), at an estimated concentration of 0.0037 mg/kg, which is slightly above the Part 375 Unrestricted SCO of 0.0033 mg/kg. The detection of 4,4-DDT was qualified by the laboratory as tentative.

Shallow bedrock groundwater

The results of the analysis of groundwater samples collected from the shallow bedrock wells reveals that the primary constituents detected were VOCs. Of the VOCs detected, chlorinated VOCs including 1,1,1-TCA, 1,1-DCA, 1,1-DCE , and CFC-113, and the SVOC 1,4-dioxane were most frequently present at concentrations greater than the SCGs. Consistent with regulatory

guidance, those contaminants that are sufficiently present in frequency and concentration in site environmental media above SCGs are considered COCs.

Based on the distribution of groundwater monitoring wells and groundwater samples collected as part of the RI as shown on **Figures 5-3A, B, and C**, the extent of COCs greater that SGVsin shallow bedrock groundwater on-Site is mainly west of the former manufacturing building proximal to monitoring wells MW12-02, MW12-07, and MW12-12 extending approximately 300 feet off-site to the northwest to MW12-18. Other isolated areas with VOCs above SGVs in the shallow bedrock groundwater are near the former leachfield in the southwestern portion of the Site at MW-2 and at the northeast corner of the Site at MW12-04.

Based on the November 2021 groundwater sampling analytical data, which provides the most recent groundwater dataset that includes both on-Site and off-Site monitoring wells, total detected VOC COC concentrations ranged from 0.72 µg/L at MW12-20 to 1,489 µg/L at MW12-07. Ranges in individual COCs were:

- 1,1,1-TCA: 4 µg/L at MW12-08 to 570 µg/L (estimated) at MW12-07;
- 1,1-DCA: 7 µg/L at MW12-08 to 480 µg/L at MW12-07;
- 1,1-DCE: 0.62 µg/L (estimated) at MW12-14 to 19 µg/L at MW12-07; and
- CFC-113: 9.3 µg/L at MW12-11 to 120 µg/L at MW12-07.

VOC COCs were not detected during the November 2021 sampling event at 15 well locations as follows: MW-1, MW-2, MW-3, MW12-01, MW12-03, MW12-05, MW12-06, MW12-09, MW12-13, MW12-15, MW12-16, MW12-18, MW12-19, MW12-27, or MW12-28.

The current downgradient extent of the shallow bedrock groundwater plume is defined by monitoring wells in which VOCs were not detected as shown on **Figure 5-3A**. Specifically, for the main shallow bedrock groundwater plume that exists west of the former manufacturing building and extends approximately 200 ft off-site to the northwest with limits defined by MW12-03 to the north, MW12-09 to the west, and MW12-16, MW12-17, and MW12-19 to the northwest. The extent of shallow bedrock groundwater impact in the vicinity of the former septic tank and leachfield, as observed at MW-2, with limits defined by non-detects in MW-1 to the east, MW-3 to the north, MW12-15 to the west, and MW12-13 to the south.

Detected concentrations of 1,4-dioxane in the November 2021 set of analysis ranged from an estimated concentration of 0.13 µg/L at MW12-18 to 810 µg/L at MW12-12. 1,4-dioxane was detected at concentrations above the Class GA SCG at the following on-Site and off-Site areas:

- on-Site at MW-1, MW-2, and MW-3 in the vicinity of the former leachfield;
- on-Site at MW12-02, MW12-07, and MW12-12 west of the former manufacturing building;
- on-Site at MW12-03, MW12-04, and MW12-08 along the northern property bondary;
- off-Site at MW12-11, MW12-14, and MW12-19 west of the Site; and
- MW12-20 and MW12-27 north of the Site.

1,4-dioxane was not detected during the November 2021 sampling event at six locations: MW12-01, MW12-05, MW12-09, MW12-15, MW12-16, or MW12-17.

Metals exceeding Class GA SCGs included arsenic, iron, magnesium, manganese, and sodium. Of these, iron, magnesium, manganese, and sodium are considered to be naturally occurring and

not the result of historic manufacturing operations at the Site. Arsenic was detected in MW12-01, which is located along the eastern property boundary and hydraulically upgradient of historic source areas.

PCBs and pesticides were not detected in shallow bedrock groundwater samples. PFOS was detected in the groundwater samples collected from two of the locations, MW12-02 and MW12-11 above the Class GA SCG of 2.7 ng/L. MW12-02 and MW12-11 are located hydraulically downgradient of the former waste solvent UST source area.

Deeper bedrock groundwater
Based on the November 2021 groundwater sampling analytical data, which provides the most recent groundwater dataset that includes both on-Site and off-Site deeper bedrock monitoring wells, total detected VOC COC concentrations ranged from 2.5 µg/L at MW12-25 to 922 µg/L at MW12-24.

Ranges in individual COCs were:
- 1,1,1-TCA: 1.4 µg/L at MW12-25 to 680 µg/L at MW12-24;
- 1,1-DCA: 1.1 µg/L at MW12-25 to 220 µg/L at MW12-24;
- 1,1-DCE 1.7 µg/L at MW12-21 to 11 µg/L at MW12-24;

CFC-113 was only detected at MW12-24 at a concentration of 11 µg/L. VOC COCs were not detected during the March 2019 sampling event at MW12-22 and MW12-23. These wells were dry during the November 2021 sampling event. During the November 2021 sampling event, VOC COCs were not detected at MW-12-26.

The extent of the deeper bedrock groundwater plume is defined by monitoring wells in which COCs were not detected as shown on **Figure 5-4A**. The main deeper bedrock groundwater plume exists west of, and presumably beneath, the former manufacturing building and is defined by MW12-22 to the northwest, MW12-25 to the northeast, and MW12-23 and MW12-26 to the south.

Based on the November 2021 groundwater sampling analytical data, detected concentrations of 1,4-dioxane ranged from an estimated concentration of 4.2 µg/L at MW12-25 to 67 µg/L at MW12-24. 1,4-dioxane was not detected during the November 2021 sampling event at MW12-26.

6. Conceptual Site Model

The Site is located at 6393 Coffeen Street in the City of Watertown, Jefferson County, New York, in an area of commercial/industrial properties. The area is served by public water supply and the nearest residential properties are located approximately 0.5-miles west-northwest of the Site.

The Site was operated as a small motor manufacturing plant from 1965 to 2004. Up until 1993, floor drains in the manufacturing building were piped directly into a septic tank located at the southern end of the vacant parcel, approximately 420 feet south-southwest of the building. Excess or waste solvents were routinely disposed of in these floor drains. In addition to the septic tank and associated leach field, an underground storage tank used to store mixed solvents was located on the west side of the manufacturing building, in the vicinity of the former loading docks.

In the late 1980's, Bomax excavated some of the soils in the area of the underground solvent storage tank and stockpiled the soils onsite. Prior to going out of business, Bomax removed approximately 69 tons of contaminated soil and 134 drums of waste from the site. Bomax subsequently ran out of funding for removal activities and so in 1991, State Superfund money was used to complete the required clean-up work. An additional 24 tons of contaminated soil was excavated under the Superfund program.

In 1993, the Town of Watertown installed new domestic and sanitary sewer lines and the Bomax facility was connected to the public utilities. Use of the septic tank and leachfield was discontinued. The floor drains were reportedly plugged, and subsequent chemical disposal was required to be tracked through final off-site disposal.

The Site was purchased by Toped Management Services, Inc. (Toped) during March 2007. Toped redeveloped approximately 1.29 acres of the northwestern portion of the Site plus the 0.46 acres of the former Watertown Savings Bank parcel. This approximate 1.75-acre parcel has been identified as OU3 and includes a narrow strip of land along the northern boundary running approximately 208 feet east to the I-81 boundary then approximately 303 feet south along I-81. The redevelopment is now a commercial convenient store. As part of the redevelopment, the former manufacturing building was razed and currently the only existing remnant is a portion of the former building slab.

6.1 Site Geology Overview

The Site exhibits little topographic relief with an elevation change of less than 20 feet. Soils are very fine sands and clayey silts. The overburden unit is thin, extending approximately 3 to 6-ft below grade. Below the overburden unit lies limestone bedrock of the Kirkfield and Rockland Formations of the lower Trenton Group. The Kirkfield Formation is characterized as medium to thick bedded, medium to light gray, medium to coarse textured, fossiliferous limestone. The Rockland Formation is characterized as thin bedded, medium to dark gray, fine to medium textured limestone with shale interbeds. The formational boundary between the Kirkfield and Rockland Formations is transitional and can be difficult to discern. Underlying the Trenton limestones is the Chaumont Formation of the Black River Group. The Chaumont Formation is susceptible to development of karst features.

Based on the bedrock cores and borehole geophysical logging, primary bedrock planar features are horizontally oriented. Vertical planar features were rarely observed in bedrock cores or geophysical logging. Bedrock underlying the Site is characterized as having low permeability based on the observations and results from hydraulic conductivity testing.

Top of bedrock contours developed using information obtained during the installation of monitoring wells and soil borings indicate that the highest bedrock elevations are beneath the northern portion of the Site beneath former manufacturing building. The bedrock surface declines in elevation from this area to the north, west, and south.

6.2 Site Hydrogeology

Groundwater in the overburden material at the Site is present intermittently in limited areas i and should not be considered as a water-bearing aquifer. Groundwater is present in the shallow bedrock and deeper bedrock.

The flow potential in the shallow bedrock beneath the northern portion, is generally to the west-southwest, with a northerly component in the extreme northeastern portion of the Site. In the southeastern portion of the Site, an apparent groundwater divide is present where potentiometric groundwater elevations suggest flow potentials to the west-southwest in the extreme southeastern portion of the Site in the shallow bedrock beneath the southeastern portion of the Site and a potential flow component to the east-northeast across the central portion of the southern half of the Site. A southerly flow component is suggested in the extreme southeastern portion of the Site. A consistent groundwater depression in shallow bedrock groundwater is apparent along the western portion of the Site with a rough north-south orientation encompassing monitoring wells MW12-07 to the south and running northward through MW12-02, MW12-11, and MW12-14. These are monitoring wells in which PVC wells materials were installed to support the bedrock well bores due to the presence of poor rock quality at these locations and had estimated hydraulic conductivities one to three orders of magnitude higher than other shallow bedrock monitoring wells.

The flow potential in the deeper bedrock suggests convergent flow from the southeast and northwest to a groundwater depression in the vicinity of MW12-23. The March 2019 potentiometric contouring does not show this depression, suggesting western and northern flow components.

Consistent downward hydraulic gradients from the shallow bedrock to the deeper bedrock are present ranging from 0.72 ft/ft at the MW12-11/MW12-25 well nest to 2.21 ft/ft at the MW12-4/MW12-22 well nest.

6.3 Contaminants of Concern, Contaminant Sources, and Distribution

Constituents detected in surface soil and subsurface soil at concentrations greater than SCOs are limited and not considered related to historic manufacturing operations. However, the data indicate that historic waste storage and handling activities have impacted shallow and deeper bedrock groundwater. Given the relatively thin overburden, subsurface structures, such as the former 500-gallon waste solvent tank, former piping from facility floor drains to the former septic system, and the former septic tank and leachfield were in close proximity to, or beneath, the

bedrock surface. As such, liquid releases from these subsurface structures were readily introduced into the shallow bedrock.

Contaminant sources include an area around a former 500-gallon waste solvent tank located immediately south of the former loading dock along the western portion of the former manufacturing building, and a septic system/leachfield that received process wastes via floor drains within the former manufacturing building. In addition to further evaluating theses source areas, the RI also evaluated areas in the vicinity of a 10,000-gallon wastewater UST, former drum storage area, and piping from the former manufacturing building to the leachfield as potential source areas.

Based on analytical data generated during the RI, COCs are 1,1,1-TCA, 1,1-DCA, 1,1-DCE, CFC-113, and 1,4-dioxane. Concentrations of these COCs in shallow bedrock groundwater are highest in areas between the former manufacturing building and the western boundary of the Site at well locations MW12-02, MW12-07, and MW12-12. Concentrations of these COCs in deeper bedrock groundwater are highest in the vicinity of the former manufacturing building at well locations MW12-21 and MW12-24. The downgradient extent of the off-Site shallow bedrock groundwater plume is approximately 200-ft northwest and north of the western and northern property boundaries. The extent of the shallow bedrock plume off-Site to the west of the Site may be being controlled by a portion of the groundwater depression in the vicinity of monitoring wells MW12-11 and MW12-14 which are located off-Site along the western side of Salmon Run Mall Road. The plume distribution suggests that sources that contributed to development of the shallow bedrock groundwater plume are likely the former 500-gallon waste solvent tank and potentially an area adjacent to a driveway leading to a salvage room within the former manufacturing building. In addition, a small, isolated area of COCs in shallow bedrock ground water in the vicinity of the former septic tank and leachfield is present, presumably due to the historic practice of releasing chemicals to the facility floor drains which were connected to the septic tank/leachfield.

Groundwater with dissolved COCs will migrate downgradient from the Site at the velocity of the groundwater unless attenuation processes act to retard the migration or decrease concentrations. COC transport can be affected by multiple attenuation processes that will govern the rate of transport and downgradient concentrations. Processes that can limit the downgradient migration and concentration in groundwater include diffusion, dispersion, volatilization, sorption, and biologic and abiotic degradation.

Currently, there are no Site activities that could act as a continuing source of COCs to the groundwater. Potential continuing sources (i.e., subsurface piping to the septic system, the septic system itself, and the 10,000-gallon wastewater holding tank) have been removed during the IRM. However, dense non-aqueous phase liquid (DNAPL) or highly concentrated liquid, that may have entered the subsurface in the past may have diffused into the bedrock matrix. If so, diffusion from the bedrock matrix can act as a continuing contaminant source to bedrock groundwater. DNAPL was not observed during the installation of soil borings and DNAPL has not been documented in monitoring wells. The highest 1,1,1-TCA concentration detected in a monitoring well was 1,600 µg/L (MW12-07, March 2019). This concentration is 8.5 times less than the 1% "rule of thumb" for 1,1,1-TCA solubility (13,600 µg/L) and does not suggest the presence of free-phase DNAPL.

7. Transport and Fate

As described in Section 5 above, this RI identified the presence of Site-related constituents as well as other detected compounds that exceeded regulatory criteria. The fate and transport of these compounds are discussed in this section.

7.1 Site-Related Constituents of Concern

Based on investigations conducted during the RI and previous investigations and remedial actions, the primary COCs are 1,1,1-TCA, 1,1-DCA, 1,1-DCE, CFC-113, and 1,4-dioxane. COCs are considered as those contaminants that are sufficiently present in frequency and concentration in site environmental media above SCGs. The VOCs were detected most frequently at concentrations above applicable SCGs. Other constituents such as SVOCs and metals were also detected during the RI exceeding SCOs but are not considered related to Site activities.

The following is a list of Site COCs exceeding SCOs, that were documented during the RI and the media they are associated with:

- 1,1,1-TCA – Overburden and bedrock groundwater
- 1,1-DCA – Overburden and bedrock groundwater
- 1,1-DCE – Overburden and bedrock groundwater
- CFC-113 - Bedrock groundwater
- 1,4-dioxane - Bedrock groundwater

The transport and fate of Site-related constituents is discussed below.

7.2 Transport and Fate of COCs in Groundwater

Dissolved COCs in groundwater will migrate with groundwater flow. As such, the area of highest VOC concentration in groundwater will also migrate downgradient unless there is a continuing source of VOCs.

There are no current Site activities that act as a continuing source of COCs to the groundwater. In addition, remnant tanks and other potential sources (leachfield system) have been removed. DNAPL, that may have entered the subsurface in the past, can act as a residual source of groundwater impact. However, DNAPL was not observed during the installation of soil borings and DNAPL has not been documented in soil borings or monitoring wells.

Transport of Site COCs can be affected by multiple attenuation processes that will govern the rate of transport and downgradient concentrations. Processes that can limit the downgradient migration and concentration in groundwater include diffusion, dispersion, volatilization, sorption, and biologic and abiotic degradation. Some degree of diffusion, dispersion, and sorption is likely occurring, as is the case in most groundwater systems. Also, some degree of biodegradation of Site COCs is occurring as evidenced by the presence of 1,1-DCA and chloroethane which are degradation products of 1,1,1-TCA.

Volatilization is occurring as evidenced by the presence of Site COCs in historic soil vapor and sub-slab air samples.

7.3 Transport and Fate of COCs in Soil Vapor

Site COCs can partition into air-filled soil pores in soil. Henry's Law suggests that Site COCs are relatively volatile and therefore, can be expected to volatilize into and migrate with soil vapors. Soil vapor migration is primarily driven by vapor pressure gradients (advection) in the soil and by gaseous diffusion. Pressure gradients can develop due to natural processes, such as changes in barometric pressure, and anthropogenic processes such as negative pressure in a building due to heating, ventilation, and air-conditioning (HVAC) systems. In either condition, the soil vapors will migrate from a zone of higher pressure to a zone of lower pressure, which can include more permeable soil. Soil vapor also migrates as a result of the concentration gradient from areas with higher concentrations to areas of lower concentrations. This can result in upward, lateral, and downward migration through the vadose zone. Where soil vapors are under a low permeable surface, such as a building slab or pavement, the vapors typically migrate laterally to the edge of the low permeable surface and then discharge to the atmosphere. Low pressure gradients can exist under buildings resulting in stagnant or very slow vapor transport. If there are cracks or other permeable features in or under a building slab, then the vapors may migrate through the cracks and discharge to the building interior.

Processes such as sorption, degradation, diffusion, and dispersion, and partitioning into soil water can affect the transport and fate of Site COCs in soil vapor. Sorption to the soil matrix can retard the migration of COCs in a similar manner as sorption processes associated with groundwater. The naturally occurring carbon content of the soils will affect the degree of sorption. Abiotic and biological processes can act to degrade Site COCs in the subsurface. Dispersion processes can act to reduce COC concentrations in soil vapors and COC concentrations when soil vapors discharge to a building or atmosphere.

8. Qualitative Human Health Exposure Assessment

This Qualitative Human Health Exposure Assessment (QHHEA) was completed for the Site in accordance with New York Environmental Conservation Law (ECL) §27-1415(2)(b) and Section 3.3(c)(4) and Appendix 3B of DER-10. As presented in DER-10, the purpose of the QHHEA is to evaluate and document the potential exposure routes and pathways, and to identify and characterize the potentially exposed populations currently and under reasonably anticipated future use of the Site. This QHHEA is apportioned into the following sub-sections:

8.1 - Human Health Conceptual Site Model
8.2 - Human Health Constituents of Concern
8.3 –On-site Exposure Pathway Overview
8.4 Off-site Exposure Pathway overview
8.5 - QHHEA Summary

8.1 Human Health Conceptual Site Model

The conceptual site model (CSM) is described in Section 6 and is discussed further in this section and presented in **Figure 8-1**. The primary function of the CSM is to evaluate the linkages between constituents identified on-site above screening values and human receptor populations and to identify potentially complete exposure pathways through which there may be human exposures. An exposure pathway analysis describes the transport of a COC from the affected medium to the human receptor population and links the potential sources, exposure media, and receptor populations to identify potential pathways of human exposure.

As defined in DER-10 (Appendix 3B), an exposure pathway has five elements:

1. A source and mechanism of COC release to the environment
2. An environmental transport medium (e.g., soil) for the COC and/or mechanism of transfer from one medium to another
3. A point of contact with the impacted environmental medium (exposure point)
4. An exposure route at the contact point (i.e., ingestion, inhalation, or dermal contact)
5. A characterization of the receptor populations that may be exposed

A pathway is considered complete if all five conditions listed above are satisfied for that pathway. If one or more of these conditions are not met, there is no physical means by which a receptor may be exposed to the COCs, and the pathway is considered incomplete. DER-10 exposure pathway elements 1 and 2 are described in Section 7. DER-10 exposure pathway elements 3 (exposure points), 4 (exposure routes), and 5 (receptor populations) are described in this section.

8.2 Human Health Constituents of Concern

The environmental media for which analytical data are available are soil and groundwater. Criteria and guidance used to identify human health COCs in these media and to assess the completeness of human exposure pathways at the Site include:

- 6 CRR-NY Part 375. Codes, Rules, and Regulations of the State of New York. *Environmental Remediation Programs*. Effective December 14, 2006.

- 6 CRR-NY Part 703. Codes, Rules, and Regulations of the State of New York. *Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations*. Effective March 12, 1998.

Detected constituents in each medium are designated as "human health COCs" for the QHHEA if they exceed screening criteria corresponding with current and reasonable anticipated future land use. Most of the Site is currently vacant land, with the exception of the northwestern portion which was developed as a convenient store/gas station. As part of development of this parcel, a vapor mitigation system was installed, and a NYSDEC-approved Site Management Plan (GYMO Architecture, Engineering & Land Surveying, May 2013) prepared for Toped Management Services, Inc. providing additional requirements. Although current zoning allows for one and two-family dwellings, among other uses, the Site has historically been used for light manufacturing purposes and is located in an area of commercial/industrial properties. Uses of properties immediately surrounding the site are generally commercial businesses. An electric substation occupies the property to the west and a highway abuts the east side of the site.

Environmental media assessed for potential impacts from historical Site operations and Site management practices, and the linkages of these impacted media to potentially exposed human populations, include soil, soil vapor, and groundwater. Additional details regarding the human health COCs identified in these media are presented below.

8.2.1 Soil

Soil evaluated for this QHHEA is segregated according to depth interval and includes surface soil and subsurface soil. This QHHEA utilizes the Residential SCOs to identify human health COCs in soil and to evaluate the potential for human exposures to these soil COCs for two reasons: 1) the reasonably anticipated future use at the Site and off-site parcels could include a mixed-use that includes single family residential housing, and 2) currently the Site could be visited by trespassers as it is not occupied.

<u>Surface Soil</u>

For the purposes of the QHHEA, surface soil is defined as soil collected from a depth of up to 2 feet bgs (encompassing surface and near-surface soils, as described in Sections 5.1 and 5.2) and therefore may include fill material and native material. Surface soil represents the environmental medium that is likely to be encountered by individuals engaged in activities that result in only modest soil disturbance and in activities resulting in purposeful excavation or subsurface work activities. Thirty-five samples were collected across the Site from the upper 1-ft of soil and 2 samples were collected from the upper 2-ft of soil. The majority of incidental exposures to surface soil by potential human receptor populations involved in non-intrusive activities is likely to be incurred in the uppermost horizon (e.g., the upper 2 inches); however, sample data extending to 2 feet bgs consider potential hand digging or other limited soil disturbance activities by these receptors. Subsurface workers (utility workers, construction workers) are presumed to be exposed to materials across the full soil column, and therefore may be exposed to COCs in both surface soil and subsurface soil.

Results of the comparisons to Residential SCOs are presented in Sections 5.1 and 5.2 and shown spatially in **Figures 5-1A** through **5-1D** (exceedances of SCOs only). SVOCs (namely PAHs) were detected in surface soils above Residential SCOs at five locations (SS13-01, SS13-02, SSB-

03, SSB-04, and SSB11), Iron was detected in each of the 35 surface soil samples at concentrations above the CP-51 Supplemental Residential SCO. The presence of iron is likely representative of naturally occurring conditions, given the widespread spatial nature of the detections and the relatively similar magnitude in concentrations in the surface soil samples.

Based on the surface soil results and comparisons to applicable SCOs, there are potential exposures to SVOCs in surface soil. As a naturally occurring metal, iron exposures are not considered further.

Subsurface Soils

Subsurface soils are defined in this QHHEA as those soils between 2 feet bgs and the depth to bedrock which averages approximately 4.5-ft below ground surface. Consequently, data for soils greater than 2 feet bgs were considered appropriate for assessment of potential subsurface impacts to human health in the QHHEA. Subsurface soil within this interval can be encountered by human receptors during excavation and other subsurface work activities such as construction and/or utility line work. As described in Section 3.1.3, subsurface soil samples were collected from 44 soil borings distributed across the Site. Samples were analyzed for various chemical constituents as summarized on **Table 3-1**.

Results of the comparisons to Residential SCOs are presented in Section 5.3 and shown spatially in **Figures 5-2A** through **5-2D** (exceedances of SCOs only). SVOCs (namely PAHs) were detected in subsurface soils above Residential SCOs at three locations (SB12-07, SB12-12, and and SB12-22), Metals (arsenic, chromium, and iron) were detected at concentrations above Residential SCOs. Arsenic was detected in one subsurface soil sample at 20 mg/Kg which is above the Residential SCO of 16 mg/Kg. Chromium was detected in one subsurface soil sample at 37 mg/Kg which is above the Residential SCO of 36 mg/Kg. Iron was detected in each of the 44 subsurface soil samples at concentrations above the CP-51 Supplemental Residential SCO. The presence of iron is likely representative of naturally occurring conditions, given the widespread spatial nature of the detections and the relatively similar magnitude in concentrations in the subsurface soil samples and exposure will not be considered further. Potential exposure to the SVOCs, arsenic, and chromium would be through incidental ingestion and dermal contact.

8.2.2 Groundwater

Overburden groundwater at the Site was encountered in one location (TW12-03) on the Site. A second overburden well (TW12-01) was dry at the time of development and during subsequent sampling events. No other overburden groundwater was encountered during drilling of the 45 soil borings or 25 bedrock monitoring wells across the Site.

The bedrock surface ranges from approximately 1 foot to 12 feet below grade and averages approximately 4.5 feet below grade. Depths to shallow bedrock groundwater ranges from approximately 0.5 feet to 15.5 feet below grade and averages approximately 6 feet below grade. Given these depths, there is potential to encounter groundwater in the shallow bedrock during installation/repair of utilities and or construction of building foundations. Results from the most recent monitoring event (November 2021) were evaluated to identify COCs for human health.

Results of the comparisons to the New York State Class GA SCGs are presented in Section 5.4. Comparisons of sample results to the Class GA SCGs indicate that 1,1,1-TCA, 1,1-DCA, 1,1-DCE,

CFC-113, and 1,4-dioxane are the primary COCs for human health in Site groundwater, exceeding their Class GA SCGs at the highest frequency and concentrations. As stated in Section 2, 5 private supply wells are located within a one-half mile radius of the site. As public water is provided to the area, it is presumed that these wells are not used as a source of drinking water. At the site, it is assumed that future deed restrictions and environmental easements will likely be established to prohibit the use of groundwater for potable purposes. As such, the ingestion pathway is considered incomplete. Direct exposure to groundwater by subsurface worker receptors is possible and these VOCs are therefore identified as COCs for subsurface workers via dermal contact, incidental ingestion and ambient air vapor inhalation.

8.2.3 Soil Vapor

As outlined above, VOCs were identified in groundwater above Class GA SCGs at the Site and in off-site downgradient wells. In addition, VOCs were present in soil vapor and sub slab air. This information suggests that there is a potential for exposure to VOCs in soil vapor to human receptors during excavation and other subsurface work activities such as construction and/or utility line work or the interior air of buildings via a vapor intrusion pathway. Exposures would be through inhalation.

8.3 On-Site Exposure Pathway Overview

As described in Section 2 and shown in **Figure 1-2**, the prominent Site feature was an approximate 60,000 square foot abandoned manufacturing facility with office space at the northern end and a large, paved parking lot area located to the east of the manufacturing facility. The northern half of the former manufacturing building was taken down as part of the commercial development of OU-3. The remainder of the former manufacturing building was demolished in June 2016, except for the slab on-grade. The southern portion of the Site appears to have remained vacant except for former piping that ran to a leachfield in the extreme southwestern portion of the Site. The Site is currently zoned as Neighborhood Commercial, which allows use, among others, for one and two-family dwellings. The Site has historically been used for light manufacturing purposes and is located in an area of commercial/industrial properties.

The potential for exposure to COCs in surface (0 to 2 ft bgs) and subsurface (2 to 12 ft bgs) soil is considered low for most receptors under current land use given that most of this area is covered by impervious or vegetated surfaces. Under the current land use scenario, the potential for soil exposure is more likely in the southern portion of the property that is accessible to potential trespassers. Under future land use scenarios, exposures to constituents identified at concentrations above SCOs in soil are more likely to potential construction workers that may support the property redevelopment, as well as to employees or customers of businesses, or residents that may inhabit housing erected in this area in the future. Potentially complete soil exposure routes for current and future human receptors at the Site include direct contact with and incidental ingestion of Site surface and subsurface soil and incidental ingestion of dust generated during intrusive activities.

Depth to groundwater at the Site is variable and occurs within the bedrock, but in most locations is within the range of direct contact by workers whose job functions require work in subsurface environments and particularly those that excavate into the bedrock. At these locations, direct contact exposure to COCs in groundwater by subsurface workers is feasible. Given that the Site is

served by a municipal water supply, potable water use at the Site is not a realistic exposure pathway and is not considered further in this QHHEA.

VOCs and 1,4-dioxane, which are the site COCs, present in subsurface soils and groundwater have the potential to migrate into the interstitial pore spaces within unsaturated soil. Where this occurs below buildings or structures, VOCs originating from soils/groundwater could enter indoor air of an occupiable space and subsequently be inhaled. Elevated concentrations in select groundwater samples, as identified in the RI, indicate that the vapor intrusion pathway is potentially complete if structures are constructed.

8.3.1 On-site Exposure Routes and Current and Future Receptors

Based upon site characteristics and current and reasonably anticipated future land use, the following receptor groups and exposure routes are considered potentially complete and evaluated in this QHHEA:

- *Future Industrial/Maintenance Worker (Adult)*: This adult-age (>18 years old) future receptor is anticipated to perform a variety of general service functions at the Site, including maintenance and industrial manufacturing activities. Industrial/maintenance worker activities at the Site include working in a future building or buildings that would be used to support industrial operations, performing outdoor tasks, including landscaping and general maintenance of Site grounds, and taking breaks in communal spaces and outdoor rest areas. Based on elevated VOC concentrations in shallow bedrock groundwater, vapor intrusion to a future building occupied by workers represents a potentially complete exposure pathway for this receptor. Direct exposure to groundwater or subsurface soil by this receptor is not a viable exposure route because this receptor does not conduct subsurface work or utilize groundwater for cleaning or any other purpose.

- *Future Commercial Employees and Customers*: Adult-aged and potentially adolescent commercial workers under a hypothetical future use scenario would work within a building constructed on the Site. Customers of the goods or services would also access the future building under this hypothetical land use scenario. Direct contact with contaminants in the soil is unlikely because the area would be covered by the building and paved parking area, and any work and patronage by customers would occur within the building. Under a future commercial use scenario, indirect exposure via inhalation of groundwater-derived and/or soil-derived vapors in the interior spaces of buildings is considered a potentially complete exposure pathway.

- *Future Construction Worker (Adult)*: The construction worker is identified as a receptor for the QHHEA due to the potential for excavation or construction to occur at the Site in the future. These workers are of adult age and may be exposed to soil and groundwater shallower than 12 feet bgs in some areas of the Site, therefore a construction worker could be exposed to groundwater via incidental ingestion or skin contact. VOC vapors could be liberated to the ambient air and subsequently inhaled. Exposure to elevated concentrations of SVOCs and select metals is also possible via dermal contact via incidental ingestion.

- *Current/Future Utility Worker (Adult)*: Subsurface utilities may require periodic inspection, servicing, and maintenance both currently and in the foreseeable future. The utility worker is

of adult age and may be exposed to Site-related COCs through incidental ingestion, dermal contact, or inhalation of volatile vapors while engaging in subsurface work activities. Utility lines typically do not extend below 12 feet bgs; therefore, this depth is considered the maximum depth for possible utility worker exposures. Shallow bedrock groundwater in most areas of the Site is typically less than 12 feet bgs (based on shallow bedrock groundwater elevation data), therefore a utility worker could be directly exposed to groundwater via incidental ingestion or skin contact in these areas. As above for construction workers, current and future utility workers may contact VOC-bearing shallow bedrock groundwater during the course of their work activities, potentially incurring inhalation exposure to volatile COCs in the ambient air. Exposure to elevated concentrations of SVOCs and select metals is also possible via dermal contact via incidental ingestion.

- *Future On-site Resident (Child, Adolescent, Adult):* Current zoning of the Site allows single and multi-family residential use. Future residential receptors may comprise of persons of all age groups (children, adolescents, and adults), and are expected to reside at the Site over the majority of a given year and over a duration of potentially many years. The relevant exposure route for this receptor is inhalation of groundwater-derived or soil-derived volatile COC vapors that have migrated into the indoor space of a residence/residential building through cracks in the building foundation. However, it is anticipated that future deed restrictions would require evaluation of the potential for soil vapor intrusion (SVI) be conducted should any buildings be developed on the Site for human occupancy. A potential exposure is also present for future on-site residents to SVOCs and select metals in soil via incidental ingestion or dermal contact.

Facility contractors/subcontractors associated with the collection and handling of environmental samples and with the potential management of impacted soil and groundwater are not evaluated. Contractor/subcontractor activities are typically covered under a facility-specific Health and Safety Plan (HASP), which provides for the use of personal protective equipment (PPE) and includes preventative procedures for eliminating exposure and maximizing personal safety. Therefore, Site contractors/subcontractors are not considered a viable receptor population for the QHHEA.

A summary of the environmental media, potentially complete exposure pathways, and potential human receptors relevant to the Site QHHEA are presented in the following table:

Environmental Media and Exposure Route(s)	Potential Receptors	Exposure Pathway Assessment
Direct contact with subsurface soils (2-12 ft bgs) and soil-derived vapors via dermal contract, inhalation and incidental ingestion	Current/future utility worker Future construction worker Future on-site resident	During underground utility line inspection, servicing, and maintenance activities, future utility workers could encounter site COCs in subsurface soil through inhalation of vapors as well as dermal contact and incidental ingestion of SVOCs and metals. Future construction workers may be exposed to subsurface soil during excavation/construction activities that may result in exposure to Site COCs via inhalation of vapors as well as dermal contact and incidental ingestion of SVOCs and metals. Future on-site residents may be exposed to subsurface soil containing VOCs and SVOCs via inhalation of vapors and well as dermal contact and incidental ingestion of SVOCs and metals.

Environmental Media and Exposure Route(s)	Potential Receptors	Exposure Pathway Assessment
Inhalation of soil-derived or groundwater-derived vapors in indoor air	Current/future industrial-maintenance worker Future Commercial Workers and Customers Future on-site resident	The presence of VOC in groundwater indicate that the vapor intrusion pathway is potentially complete for industrial-maintenance workers, commercial workers, and customers spending time indoors within a future commercial/industrial building, and future on-site residents. Exposure may occur in this manner at select locations of the Site where volatile COCs are greater than State guidelines
Direct contact with groundwater via incidental ingestion, dermal contact; inhalation of groundwater-derived vapors in ambient air	Current/future utility worker Future construction worker	Current/future utility workers and future construction workers could be exposed to volatile COCs in areas of the Site where subsurface work is required and where groundwater is present at depths less than 12 feet bgs. Direct exposures to groundwater COCs are limited to incidental ingestion given that volatile COCs are likely to volatilize to the air before appreciable dermal absorption can occur. Indirect exposures to volatile COCs in groundwater by subsurface workers may occur via inhalation of groundwater-derived vapors in outdoor air.

8.4 Off-Site Exposure Pathway Overview

Site related COCs consisting of chlorinated VOCs and 1,4 dioxane have been identified in shallow groundwater monitoring wells at concentrations above the Class GA SCGs in wells located on the west side of Salmon Run Mall Road across from the center of the site as well as the former leachfield located on the southwest corner of the site. In addition, 1,4 dioxane is present above Class GA SCGs in off-site wells to the north of the site and immediately south of the former leachfield area. Review of a current aerial of the area reveals that the area to the west of these wells is undeveloped or used as agricultural fields. Residences and business are located along Route 12F at the north end of the property. The groundwater data on the west side of Salmon Run Mall Road show that the site CICs are generally below criterial in this area of the site.

The presence of the chlorinated VOCs and 1,4-dioxane, which are the site COCs, in groundwater represents a potential exposure to off-site receptors. Similar to the on-site conditions, groundwater occurs within the bedrock and the depth to the water table will likey vary. The groundwater is potentially within the range of direct contact by workers whose job functions require work in subsurface environments and particularly those that excavate into the bedrock. At these locations, direct contact exposure to COCs in groundwater by subsurface workers is feasible.

Additionally, although the area is supplied by a potable water source, exposure to site COCs via ingestion is possible if groundwater is used as a potable water supply. In addition, vapors released from the groundwater have the potential to migrate into the interstitial pore spaces within unsaturated soil and could enter indoor air of an occupiable space and subsequently be inhaled.

8.4.1 Off-site Exposure Routes and Current and Future Receptors

Based upon site characteristics and current and reasonably anticipated future land use of off-site areas, the following receptor groups and exposure routes are considered potentially complete and evaluated in this QHHEA:

- *Future Commercial Employees and Customers*: Adult-aged and potentially adolescent commercial workers under a hypothetical future use scenario would work within a building

constructed on nearby properties above or near the groundwater plume. Customers of the goods or services would also access the future building under this hypothetical land use scenario. Direct contact with contaminants in the soil is unlikely as site related COCs are not migrating off-site via soil. Under a future commercial use scenario, indirect exposure via inhalation of groundwater-derived in the interior spaces of buildings is considered a potentially complete exposure pathway.

- *Current or Future Construction Worker (Adult)*: The construction worker is identified as a receptor for the QHHEA due to the potential for excavation or construction to occur at off-site locations near the ground water plume. These workers are of adult age and may be exposed to groundwater shallower than 12 feet bgs, therefore a construction worker could be exposed to groundwater via incidental ingestion or skin contact. VOC vapors could be liberated to the ambient air and subsequently inhaled.

- *Current/Future Utility Worker (Adult)*: Subsurface utilities may require periodic inspection, servicing, and maintenance both currently and in the foreseeable future. The utility worker is of adult age and may be exposed to Site-related COCs through incidental ingestion, dermal contact, or inhalation of volatile vapors while engaging in subsurface work activities. Utility lines typically do not extend below 12 feet bgs; therefore, this depth is considered the maximum depth for possible utility worker exposures. Shallow bedrock groundwater is typically less than 12 feet bgs (based on shallow bedrock groundwater elevation data), therefore a utility worker could be directly exposed to groundwater via incidental ingestion or skin contact in these areas. As above for construction workers, current and future utility workers may contact VOC-bearing shallow bedrock groundwater during the course of their work activities, potentially incurring inhalation exposure to volatile COCs in the ambient air.

- *Current/Future Commercial Employees and Customers:* Adult-aged and potentially adolescent commercial workers under current use or a hypothetical future use scenario would work within an existing or future building along Route 12F or to the west of Salmon Run Mall Road. Customers of the goods or services would also have access to these buildings. Indirect exposure via inhalation of groundwater-derived and/or soil-derived vapors in the interior spaces of buildings is considered a potentially complete exposure pathway to this population.

- *Current or Future Resident (Child, Adolescent, Adult):* Areas to the west of the site where concentrations of site-related COCs are present are not currently used for residential purposes. However, the current zoning allows for single and multi-family residential use. Future residential receptors may comprise of persons of all age groups (children, adolescents, and adults), and are expected to reside at the domicile over the majority of a given year and over a duration of potentially many years. The relevant exposure route for this receptor is inhalation of groundwater-derived volatile COC vapors that have migrated into the indoor space of a residence/residential building through cracks in the building foundation. In addition, five private wells have been identified within a half mile of the Site. Although a public water supply is available, it is possible that private wells can be used for drinking water and other household purposes. This could result in exposures to Site-related COCs via direct contact or ingestion.

A summary of the environmental media, potentially complete exposure pathways, and potential human receptors at off-site locations are presented in the following table:

Environmental Media and Exposure Route(s)	Potential Receptors	Exposure Pathway Assessment
Direct contact or ingestion of groundwater from a private well.	Current/Future Commercial Workers and Customers Current/future Residents	Although there is public water service to the area, the existence of private wells suggests that use of groundwater for potable purposes ins possible. The presence of VOCs and 1,4 Dioxane in groundwater indicate that exposures to these constituents is possible if private wells are used.
Inhalation of soil-derived or groundwater-derived vapors in indoor air	Current/future industrial-maintenance worker Future Commercial Workers and Customers Future on-site resident	The presence of VOC in groundwater indicate that the vapor intrusion pathway is potentially complete for commercial workers, and customers spending time indoors within a future commercial/industrial building, and future residents. Exposure may occur in this manner at select locations of the Site where volatile COCs are greater than State guidelines
Direct contact with groundwater via incidental ingestion, dermal contact; inhalation of groundwater-derived vapors in ambient air	Current/future utility worker Future construction worker	Current/future utility workers and future construction workers could be exposed to volatile COCs in areas of the Site where subsurface work is required and where groundwater is present at depths less than 12 feet bgs. Direct exposures to groundwater COCs are limited to incidental ingestion given that volatile COCs are likely to volatilize to the air before appreciable dermal absorption can occur. Indirect exposures to volatile COCs in groundwater by subsurface workers may occur via inhalation of groundwater-derived vapors in outdoor air.

8.5 QHHEA Summary

The objective of this QHHEA was to evaluate potential human exposure to COCs under current and reasonably anticipated future use scenarios. Much of the Site is currently vacant land. The northwest portion of the Site has been developed as a commercial convenient store/gas station with a surface covered with asphalt, concrete or structures. There is no fencing or other engineering control present that would restrict human access to the Site.

Off site areas along Route 12F are used for commercial and residential purposes. Off-site areas to the west of Sampling Run Mall Road are vacant or used as farm fields.

The current zoning allows for one and two-family dwellings, among other uses. The Site has historically been used for light manufacturing purposes and is in an area of commercial/industrial properties.

The Site is currently the subject of a remedial investigation which has identified metals and SVOCs in soil at concentrations above SCGs and chlorinated VOCs and 1,4 dioxane in groundwater above Class GA groundwater SGVs. Site related COCs have been identified as 1,1,1-TCA, 1,1-DCA, 1,1-DCE, and 1,4-dioxane. These constituents are present in groundwater that has been identified to be migrating off-site toward the west and in the case of 1,4 dioxane to the north and south.

In summary, potentially complete exposure pathways associated with human receptor scenarios include:

On Site

- Future industrial/maintenance workers that may be exposed to subsurface-derived volatile COC vapors that may infiltrate the interior space of a future on-site building designed for human occupancy.
- Current and future utility workers and future construction workers that may be exposed to COCs in soil or groundwater via direct contact or to volatile COC vapors derived from groundwater, soil, and groundwater via incidental ingestion, dermal contact, and ambient vapor inhalation.
- Future commercial employees and customers that may be exposed to volatile COCs in subsurface soil and groundwater via ambient vapor inhalation.
- Future on-site residents that may be exposed to volatile COCs via inhalation within the livable spaces of a future residence constructed at select locations.

Off-Site

- Current and future utility workers and future construction workers that may be exposed to volatile COC vapors in subsurface soil derived from groundwater, and groundwater via incidental ingestion, dermal contact, and ambient vapor inhalation.
- Future commercial employees and customers that may be exposed to volatile COCs in subsurface soil and groundwater via ambient vapor inhalation.
- Future residents that may be exposed to volatile COCs via inhalation within the livable spaces of a future residence constructed at select location or exposed to COCs via ingestion or dermal contact if a private well is used.

9. Summary and Conclusions

The RI of the former Bomax Manufacturing site (Site #623009) was conducted for NYSDEC under Engineering Services Standby Contract Work Assignment (WA) #D007623-05.

The Site is located at 6393 Coffeen Street in the Town of Watertown, Jefferson County, New York, in an area of commercial/industrial properties. The area is served by public water supply however, six private wells were identified to potentially be present within ½ mile of the site. Two of the six properties with wells are identified as residences. The use of these wells is unknown. There are no residences located adjacent to the site. A few homes are located within a half mile of the site to the west along County Route 12F.

According to the Town of Watertown, the Site is zoned as Neighborhood Commercial, which allows use, among others, for one and two-family dwellings. The Site has historically been used for light manufacturing purposes and is located in an area of commercial/industrial properties. Consistent with current zoning and anticipated future uses of the Site, soil analytical data have been compared to Part 375 Unrestricted, Residential, Restricted Residential, Commercial, and Industrial Soil Cleanup Objectives (SCOs) for the purpose of evaluating the nature and extent of Site soil impacts.

NYSDEC has identified three operable units (OU-1, OU-2, and OU-3) for the Site. OU-1 and OU-3 are two physical parcels, whereas OU-2 covers overall on-Site and off-Site soil vapor/vapor intrusion. OU1 is approximately 9.4-acres making up the majority of the Site. OU-3 makes up the balance of the Site and is approximately 1.3-acres including the narrow strip of land along the northern boundary of the Site running east to the Interstate 81 (I-81) boundary, then south approximately 303-ft along the I-81 boundary. OU-3 has been developed as a convenience store/gas station. OU2 has not been evaluated at present as there are no habitable structures present within OU1 or overlying the off-Site groundwater plume and the commercial development of OU-3 includes a sub-slab depressurization system (SSDS) beneath the retail store.

The Site was operated as a small motor manufacturing plant. Floor drains in the manufacturing building were piped directly into a septic tank located at the southern end of the vacant parcel, approximately 420 feet south-southwest of the building. Excess or waste solvents were routinely disposed of in these floor drains. In addition to the septic tank and associated leach field, a 500-gallon underground storage tank used to store mixed solvents was located on the west side of the manufacturing building, in the vicinity of the former loading docks.

RI activities were implemented in several phases at the Site and the off-Site properties. Investigation activities included the evaluation of surface and subsurface soil and groundwater.

Review of the Site data identified Site-related COCs as 1,1,1-TCA and its degradation products 1,1-DCA, 1,1-DCE, and CA, in addition to CFC-113 and 1,4-dioxane which are affecting on-Site and off-Site shallow and deeper bedrock groundwater. The source areas include the former 500-gallon waste solvent tank and the septic system.

Based upon the data generated during the RI, the following conclusions have been developed:

- Site overburden soil consists of very fine sands and clayey silts. The overburden unit is thin, extending to approximately 3- to 6-ft below grade. Based on information obtained during the advancement of the soil borings and installation of temporary monitoring wells, the overburden is essentially dry. Bedrock encountered beneath the Site is limestone of the Kirkfield and Rockland Formations of the Trenton Group. The bedrock is primarily gray, thinly bedded, fossiliferous, fine-grained limestone with dark gray to black, thin, shaley interbeds. Primary bedrock fractures are along horizontal bedding planes, with few vertical fractures.
- Groundwater occurs within the shallow and deeper bedrock. The flow potential in the shallow bedrock beneath the northern portion of the Site is generally to the west-southwest, with a northerly component in the extreme northeastern portion of the Site. In the southeastern portion of the Site, an apparent groundwater divide is present where potentiometric groundwater elevations suggest flow potentials to the west-southwest in the extreme southeastern portion of the Site in the shallow bedrock beneath the southeastern portion of the Site and a potential flow component to the east-northeast across the central portion of the southern half of the Site. A southerly flow component is suggested in the extreme southeastern portion of the Site. A consistent groundwater depression in the potentiometric surface of shallow bedrock groundwater is apparent along the western portion of the Site with a rough north-south orientation encompassing monitoring wells MW12-07 to the south and running northward through MW12-02, MW12-11, and MW12-14. These are monitoring wells in which PVC wells materials were installed to support the bedrock well bores due to the presence of poor rock quality at these locations and had estimated hydraulic conductivities one to three orders of magnitude greater than other shallow bedrock monitoring wells.
- The flow potential in the deeper bedrock suggests convergent flow from the southeast and northwest to a northeast-southwest trending groundwater depression in the vicinity of MW12-23. However, some variability is noted as the March 2019 potentiometric contouring does not show this depression, suggesting western and northern flow components.
- Consistent downward hydraulic gradients from the shallow bedrock to the deeper bedrock are present ranging from 0.72 ft/ft at the MW12-11/MW12-25 well nest to 2.21 ft/ft at the MW12-4/MW12-22 well nest.
- Site-related COCs were not detected in surface or near-surface soil. Other constituents detected were PAH compounds, which occasionally had concentrations exceeding Unrestricted, Residential, Restricted-Residential, and Commercial SCOs in four of 37 samples collected across the Site, four inorganics which exceeded Unrestricted SCOs in four of 20 samples collected across the Site, and one pesticide, which exceeded the Unrestricted SCOs. PFAS were not detected at concentrations above Unrestricted SCOs and PCBs were not detected.
- Site-related COCs were not detected in subsurface soil. Other constituents detected were acetone which exceeded the Unrestricted SCO in 28 of 44 samples, PAH compounds, which exceeded Unrestricted, Residential, Restricted-Residential, and Commercial SCOs in three of 44 samples collected across the Site, inorganics which exceeded Unrestricted and Residential SCOs in 11 of 44 samples collected across the Site, and one pesticide which exceed the Unrestricted SCOs.

- Saturated overburden was encountered in one of the 47 soil borings advanced within OU1. A temporary monitoring well was installed near the building slab, and a groundwater sample was collected. Site-related COC detected at concentrations above Class GA SCGs were 1,1,1-TCA, 1,1-DCA, 1,1-DCE, and 1,4-dioxane. The temporary monitoring well was dry during subsequent sampling events. Inorganics were not detected at concentrations above Class GA SCGs and SVOCs (other than 1,4-dioxane), PCBs, and pesticides were not detected in the overburden groundwater sample.
- The primary impacted environmental media is shallow and deeper bedrock groundwater. Site-related COCs detected in shallow and deeper bedrock groundwater at concentrations above Class GA SCGs were 1,1,1-TCA, 1,1-DCA, 1,1-DCE, CFC-113, and 1,4-dioxane. Other VOCs detected at concentrations above Class GA SCGs were 1,2-DCA, 1,2-dibromo-3-chloropropane, bromomethane, and chloroethane. SVOCs (other than 1,4-dioxane) were not detected above Class GA SCGs. PCBs and pesticides were not detected. Arsenic, iron, magnesium, manganese, and sodium were detected at concentrations above Class GA SCGs. Iron, magnesium, manganese, and sodium are considered to be naturally-occurring. Arsenic was detected in two of 10 shallow bedrock groundwater samples, and the locations of the monitoring wells relative to the former manufacturing building and potential source areas would seem to indicate that the presence of arsenic is not site-related.
- The principal contaminant transport pathway for COCs is as dissolved constituents in the shallow and deeper bedrock groundwater. The main Site-related COC groundwater plume originates west of the former manufacturing building and extends off-site approximately 200-ft to the northwest and north of the western and northern property boundaries. A small, isolated area of groundwater impact is present in the vicinity of the former septic system on the south end of the site.
- The horizontal extent of COCs in shallow bedrock groundwater has been defined. The horizontal and vertical extent of COCs in deeper bedrock groundwater has not been defined.

An IRM served to remove subsurface structures that had potential to act as continuing sources of contamination to shallow bedrock groundwater. The subsurface structures that were removed included the septic system, which included the 5,000-gallon septic, distribution box, and associated piping, and the leachfield piping, the concrete piping from the facility to the septic system, and the 10,000-gallon wastewater holding tank. In addition, soil beneath the former loading dock, which could not be accessed at the time the former 500-gallon waste solvent tank and associated impacted soils were removed, was evaluated for the presence of contamination. One constituent, acetone, was detected in one of the samples collected at a concentration slightly above the Part 375 Unrestricted SCO. No other constituents were detected at concentrations above Part 375 SCOs in the soil samples.

Soil sources and other potential sources have been removed. Potential and/or known contamination that remains within OU1 subsequent to completion of the IRM includes the following:

- Isolated areas of unconsolidated soil that may potentially contain VOCs that were not encountered during the RI;
- Isolated areas of unconsolidated soil within IRM excavations around the leachfield or piping that may potentially contain small fragments of asbestos-containing cement and/or Orangeburg pipe;

- Isolated areas of overburden groundwater that may potentially contain VOCs that were not encountered during the RI;
- Soil vapor containing VOCs and potential migration of these vapors into structures; and
- Shallow and deeper bedrock groundwater containing VOCs.

To minimize exposure to contaminants remaining within OU1, engineering controls (ECs) and institutional controls (ICs) are recommended for the site unless additional remedial activities are conducted to achieve Remedial Action Objectives (RAOs). A Site Management Plan (SMP) should be developed to document the methods necessary to comply with ECs/ICs.

There are currently no buildings located to the west of the site where VOCs in groundwater exceed Class GA SGVs. Future construction in this area could result in exposures to site related VOCs via inhalation of vapors either in excavations or via vapor intrusion into structures. Although a public water supply is present, six private wells are present on properties within one half mile of the site. The use of these wells is unknown.

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TABLES

Table 2-1
IRM Pre-Characterization Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB15-01	SB15-02	SB15-03	SB15-04	SB15-05	SB15-06	SB15-07	SB15-08
							Sample ID:	SB15-01-(3.7-3.9)-070915	SB15-02-(0.4-0.6)-070915	SB15-03-(1.1-1.3)-070915	SB15-04-(3.8-4.0)-070915	SB15-05-(2.5-2.7)-070915	SB15-06-(2.1-2.3)-070915	SB15-07-(2.5-2.7)-070915	SB15-08-(1.8-2.0)-070915
							Start Depth (ft bgs):	3.7	0.4	1.1	3.8	2.5	2.1	2.5	1.8
							End Depth (ft bgs):	3.9	0.6	1.3	4	2.7	2.3	2.7	2
							Sample Date:	7/9/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]								
1,1,1,2-Tetrachloroethane	630-20-6	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1000	0.68	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	**0.0046**	0.0027 U	0.0026 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	35[CP]	NC	NC	NC	0.6[CP]	0.0012 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0013 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.27	0.0024 U	0.002 U	0.0025 U	**0.0024**	0.0025 U	0.0026 U	0.0027 U	**0.0042**
1,1-Dichloroethene	75-35-4	0.33	100	100	500	1000	0.33	0.0048 U	0.004 U	0.005 U	0.0047 U	0.0049 U	0.0053 U	0.0053 U	0.0051 U
1,1-Dichloropropene	563-58-6	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
1,2,3-Trichloropropane	96-18-4	NC	80[CP]	NC	NC	NC	0.34[CP]	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	3.4[CP]	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	380	3.6	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC	0.0012 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0013 U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.02	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
1,3,5- Trichlorobenzene	108-70-3	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	380	8.4	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
1,3-Dichloropropane	142-28-9	NC	NC	NC	NC	NC	0.3[CP]	0.0012 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0013 U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1	0.12 U	0.1 U	0.13 U	0.12 U	0.12 U	0.13 U	0.13 U	0.13 U
2,2-Dichloropropane	594-20-7	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
2-Butanone	78-93-3	0.12	100	100	500	1000	0.12	0.048 U	0.04 U	0.05 U	0.047 U	0.049 U	0.053 U	0.053 U	0.051 U
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC	0.024 U	0.02 U	0.025 U	0.023 U	0.025 U	0.026 U	0.027 U	0.026 U
4-Isopropyltoluene	99-87-6	NC	NC	NC	NC	NC	10[CP]	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	NC	NC	1[CP]	0.024 U	0.02 U	0.025 U	0.023 U	0.025 U	0.026 U	0.027 U	0.026 U
Acetone	67-64-1	0.05	100	100	500	1000	0.05	0.12 U	**0.35**	0.13 U	0.12 U	0.12 U	0.13 U	0.13 U	0.13 U
Acrylonitrile	107-13-1	NC	NC	NC	NC	NC	NC	0.0073 U	0.006 U	0.0075 U	0.007 U	0.0074 U	0.0079 U	0.008 U	0.0077 U
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.06	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
Bromobenzene	108-86-1	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
Bromochloromethane	74-97-5	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC	0.012 U	0.01 U	0.013 U	0.012 U	0.012 U	0.013 U	0.013 U	0.013 U
Carbon disulfide	75-15-0	NC	100[CP]	NC	NC	NC	2.7[CP]	0.024 U	0.02 U	0.025 U	0.023 U	0.025 U	0.026 U	0.027 U	0.026 U
Carbon Tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.76	0.0048 U	0.004 U	0.005 U	0.0047 U	0.0049 U	0.0053 U	0.0053 U	0.0051 U
Chlorobenzene	108-90-7	1.1	100	100	500	1000	1.1	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
Chloroethane	75-00-3	NC	NC	NC	NC	NC	1.9[CP]	0.024 U	0.02 U	0.025 U	0.023 U	0.025 U	0.026 U	0.027 U	0.026 U
Chloroform	67-66-3	0.37	10	49	350	700	0.37	0.0048 U	0.004 U	0.005 U	0.0047 U	0.0049 U	0.0053 U	0.0053 U	0.0051 U
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC	0.012 U	0.01 U	0.013 U	0.012 U	0.012 U	0.013 U	0.013 U	0.013 U
cis-1,2-Dichloroethene	156-59-2	0.25	59	100	500	1000	0.25	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC	0.0012 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0013 U
Cyclohexane	110-82-7	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
Cyclopentane, methyl	96-37-7	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC	0.0012 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0013 U
Dibromomethane	74-95-3	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC	0.024 U	0.02 U	0.025 U	0.023 U	0.025 U	0.026 U	0.027 U	0.026 U
Diisopropyl Ether	108-20-3	NC	NC	NC	NC	NC	NC	0.0012 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0013 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	100[CP]	NC	NC	NC	6[CP]	0.012 U	0.01 U	0.013 U	0.012 U	0.012 U	0.013 U	0.013 U	0.013 U
Ethyl ether	60-29-7	NC	NC	NC	NC	NC	NC	0.024 U	0.02 U	0.025 U	0.023 U	0.025 U	0.026 U	0.027 U	0.026 U
Ethylbenzene	100-41-4	1	30	41	390	780	1	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
Hexane	110-54-3	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-1
IRM Pre-Characterization Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB15-01	SB15-02	SB15-03	SB15-04	SB15-05	SB15-06	SB15-07	SB15-08
							Sample ID:	SB15-01-(3.7-3.9)-070915	SB15-02-(0.4-0.6)-070915	SB15-03-(1.1-1.3)-070915	SB15-04-(3.8-4.0)-070915	SB15-05-(2.5-2.7)-070915	SB15-06-(2.1-2.3)-070915	SB15-07-(2.5-2.7)-070915	SB15-08-(1.8-2.0)-070915
							Start Depth (ft bgs):	3.7	0.4	1.1	3.8	2.5	2.1	2.5	1.8
							End Depth (ft bgs):	3.9	0.6	1.3	4	2.7	2.3	2.7	2
							Sample Date:	7/9/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]								
Isopropylbenzene	98-82-8	NC	100[CP]	NC	NC	NC	2.3[CP]	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
m,p-Xylene	179601-23-1	NC	NC	NC	NC	NC	NC	0.0048 U	0.004 U	0.005 U	0.0047 U	0.0049 U	0.0053 U	0.0053 U	0.0051 U
Methyl Acetate	79-20-9	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
Methylcyclohexane	108-87-2	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	75-09-2	0.05	51	100	500	1000	0.05	0.024 U	0.02 U	0.025 U	0.023 U	0.025 U	0.026 U	0.027 U	0.026 U
MTBE	1634-04-4	0.93	62	100	500	1000	0.93	0.0048 U	0.004 U	0.005 U	0.0047 U	0.0049 U	0.0053 U	0.0053 U	0.0051 U
Naphthalene	91-20-3	12	100	100	500	1000	12	0.0048 U	0.004 U	0.005 U	0.0047 U	0.0049 U	0.0053 U	0.0053 U	0.0051 U
n-Butylbenzene	104-51-8	12	100	100	500	1000	12	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
n-Propylbenzene	103-65-1	3.9	100	100	500	1000	3.9	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
o-Chlorotoluene	95-49-8	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
o-Xylene	95-47-6	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
p-Chlorotoluene	106-43-4	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
sec-Butylbenzene	135-98-8	11	100	100	500	1000	11	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
t-Butyl alcohol	75-65-0	NC	NC	NC	NC	NC	NC	0.048 U	0.04 U	0.05 U	0.047 U	0.049 U	0.053 U	0.053 U	0.051 U
Tert-Amyl Methyl Ether	994-05-8	NC	NC	NC	NC	NC	NC	0.0012 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0013 U
Tert-Butyl Ethyl Ether	637-92-3	NC	NC	NC	NC	NC	NC	0.0012 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0013 U
Tert-Butylbenzene	98-06-6	5.9	100	100	500	1000	5.9	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
Tetrachloroethene	127-18-4	1.3	5.5	19	150	300	1.3	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0026	0.0026 U	0.0027 U	**0.006**
Tetrahydrofuran	109-99-9	NC	NC	NC	NC	NC	NC	0.012 U	0.01 U	0.013 U	0.012 U	0.012 U	0.013 U	0.013 U	0.013 U
Toluene	108-88-3	0.7	100	100	500	1000	0.7	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	100	500	1000	0.19	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	0.0026 U
trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC	0.0012 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0013 U	0.0013 U	0.0013 U
trans-1,4-Dichlorobutene	110-57-6	NC	NC	NC	NC	NC	NC	0.0048 U	0.004 U	0.005 U	0.0047 U	0.0049 U	0.0053 U	0.0053 U	0.0051 U
Trichloroethene	79-01-6	0.47	10	21	200	400	0.47	0.0024 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0026 U	0.0027 U	**0.0029**
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC	0.012 U	0.01 U	0.013 U	0.012 U	0.012 U	0.013 U	0.013 U	0.013 U
Vinyl Chloride	75-01-4	0.02	0.21	0.9	13	27	0.02	0.012 U	0.01 U	0.013 U	0.012 U	0.012 U	0.013 U	0.013 U	0.013 U
Xylenes, Total	XYLENES	0.26	100	100	500	1000	1.6	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
All units in milligrams per kilogram (mg/kg)

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

NC - No criteria exists, NA - Not Analyzed
ft bgs - feet below ground surface
U - Not detected at the detection limit shown,
J - Estimated value, R - Rejected during validation

Table 2-1
IRM Pre-Characterization Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB15-09	SB15-10	SB15-11	SB15-12	SB15-13
							Sample ID:	SB15-09-(2.5-2.7)-070915	SB15-10-(2.5-2.7)-070915	SB15-11-(1.7-1.9)-070915	SB15-12-(2.8-3.0)-070915	SB15-13-(2.0-2.2)-070915
							Start Depth (ft bgs):	2.5	2.5	1.7	2.8	2
							End Depth (ft bgs):	2.7	2.7	1.9	3	2.2
							Sample Date:	7/9/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]					
1,1,1,2-Tetrachloroethane	630-20-6	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1000	0.68	0.0027 U	0.0027 U	**0.072**	0.0025 U	**0.0035**
1,1,2,2-Tetrachloroethane	79-34-5	NC	35[CP]	NC	NC	NC	0.6[CP]	0.0014 U	0.0013 U	0.0012 U	0.0013 U	0.0014 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.27	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
1,1-Dichloroethene	75-35-4	0.33	100	100	500	1000	0.33	0.0054 U	0.0053 U	0.0049 U	0.005 U	0.0057 U
1,1-Dichloropropene	563-58-6	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
1,2,3-Trichloropropane	96-18-4	NC	80[CP]	NC	NC	NC	0.34[CP]	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	3.4[CP]	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	380	3.6	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC	0.0014 U	0.0013 U	0.0012 U	0.0013 U	0.0014 U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.02	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
1,3,5- Trichlorobenzene	108-70-3	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	380	8.4	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
1,3-Dichloropropane	142-28-9	NC	NC	NC	NC	NC	0.3[CP]	0.0014 U	0.0013 U	0.0012 U	0.0013 U	0.0014 U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1	0.14 U	0.13 U	0.12 U	0.13 U	0.14 U
2,2-Dichloropropane	594-20-7	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
2-Butanone	78-93-3	0.12	100	100	500	1000	0.12	0.054 U	0.053 U	0.049 U	0.05 U	0.057 U
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC	0.027 U	0.027 U	0.024 U	0.025 U	0.029 U
4-Isopropyltoluene	99-87-6	NC	NC	NC	NC	NC	10[CP]	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	NC	NC	1[CP]	0.027 U	0.027 U	0.024 U	0.025 U	0.029 U
Acetone	67-64-1	0.05	100	100	500	1000	0.05	0.14 U	0.13 U	0.12 U	0.13 U	0.14 U
Acrylonitrile	107-13-1	NC	NC	NC	NC	NC	NC	0.0081 U	0.008 U	0.0073 U	0.0075 U	0.0086 U
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.06	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
Bromobenzene	108-86-1	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
Bromochloromethane	74-97-5	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC	0.014 U	0.013 U	0.012 U	0.013 U	0.014 U
Carbon disulfide	75-15-0	NC	100[CP]	NC	NC	NC	2.7[CP]	0.027 U	0.027 U	0.012 U	0.013 U	0.014 U
Carbon Tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.76	0.0054 U	0.0053 U	0.0024 U	0.0025 U	0.0029 U
Chlorobenzene	108-90-7	1.1	100	100	500	1000	1.1	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
Chloroethane	75-00-3	NC	NC	NC	NC	NC	1.9[CP]	0.027 U	0.027 U	0.024 U	0.025 U	0.029 U
Chloroform	67-66-3	0.37	10	49	350	700	0.37	0.0054 U	0.0053 U	0.0049 U	0.005 U	0.0057 U
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC	0.014 U	0.013 U	0.012 U	0.013 U	0.014 U
cis-1,2-Dichloroethene	156-59-2	0.25	59	100	500	1000	0.25	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC	0.0014 U	0.0013 U	0.0012 U	0.0013 U	0.0014 U
Cyclohexane	110-82-7	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA
Cyclopentane, methyl	96-37-7	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC	0.0014 U	0.0013 U	0.0012 U	0.0013 U	0.0014 U
Dibromomethane	74-95-3	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC	0.027 U	0.027 U	0.024 U	0.025 U	0.029 U
Diisopropyl Ether	108-20-3	NC	NC	NC	NC	NC	NC	0.0014 U	0.0013 U	0.0012 U	0.0013 U	0.0014 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	100[CP]	NC	NC	NC	6[CP]	0.014 U	0.013 U	0.012 U	0.013 U	0.014 U
Ethyl ether	60-29-7	NC	NC	NC	NC	NC	NC	0.027 U	0.027 U	0.024 U	0.025 U	0.029 U
Ethylbenzene	100-41-4	1	30	41	390	780	1	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
Hexane	110-54-3	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA

Table 2-1
IRM Pre-Characterization Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB15-09	SB15-10	SB15-11	SB15-12	SB15-13
							Sample ID:	SB15-09-(2.5-2.7)-070915	SB15-10-(2.5-2.7)-070915	SB15-11-(1.7-1.9)-070915	SB15-12-(2.8-3.0)-070915	SB15-13-(2.0-2.2)-070915
							Start Depth (ft bgs):	2.5	2.5	1.7	2.8	2
							End Depth (ft bgs):	2.7	2.7	1.9	3	2.2
							Sample Date:	7/9/2015	7/9/2015	7/9/2015	7/9/2015	7/9/2015
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]					
Isopropylbenzene	98-82-8	NC	100[CP]	NC	NC	NC	2.3[CP]	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
m,p-Xylene	179601-23-1	NC	NC	NC	NC	NC	NC	0.0054 U	0.0053 U	0.0049 U	0.005 U	0.0057 U
Methyl Acetate	79-20-9	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA
Methylcyclohexane	108-87-2	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA
Methylene Chloride	75-09-2	0.05	51	100	500	1000	0.05	0.027 U	0.027 U	0.024 U	0.025 U	0.029 U
MTBE	1634-04-4	0.93	62	100	500	1000	0.93	0.0054 U	0.0053 U	0.0049 U	0.005 U	0.0057 U
Naphthalene	91-20-3	12	100	100	500	1000	12	0.0054 U	0.0053 U	0.0049 U	0.005 U	0.0057 U
n-Butylbenzene	104-51-8	12	100	100	500	1000	12	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
n-Propylbenzene	103-65-1	3.9	100	100	500	1000	3.9	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
o-Chlorotoluene	95-49-8	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
o-Xylene	95-47-6	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
p-Chlorotoluene	106-43-4	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
sec-Butylbenzene	135-98-8	11	100	100	500	1000	11	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
t-Butyl alcohol	75-65-0	NC	NC	NC	NC	NC	NC	0.054 U	0.053 U	0.049 U	0.05 U	0.057 U
Tert-Amyl Methyl Ether	994-05-8	NC	NC	NC	NC	NC	NC	0.0014 U	0.0013 U	0.0012 U	0.0013 U	0.0014 U
Tert-Butyl Ethyl Ether	637-92-3	NC	NC	NC	NC	NC	NC	0.0014 U	0.0013 U	0.0012 U	0.0013 U	0.0014 U
Tert-Butylbenzene	98-06-6	5.9	100	100	500	1000	5.9	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
Tetrachloroethene	127-18-4	1.3	5.5	19	150	300	1.3	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
Tetrahydrofuran	109-99-9	NC	NC	NC	NC	NC	NC	0.014 U	0.013 U	0.012 U	0.013 U	0.014 U
Toluene	108-88-3	0.7	100	100	500	1000	0.7	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	100	500	1000	0.19	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC	0.0014 U	0.0013 U	0.0012 U	0.0013 U	0.0014 U
trans-1,4-Dichlorobutene	110-57-6	NC	NC	NC	NC	NC	NC	0.0054 U	0.0053 U	0.0049 U	0.005 U	0.0057 U
Trichloroethene	79-01-6	0.47	10	21	200	400	0.47	0.0027 U	0.0027 U	0.0024 U	0.0025 U	0.0029 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC	0.014 U	0.013 U	0.012 U	0.013 U	0.014 U
Vinyl Chloride	75-01-4	0.02	0.21	0.9	13	27	0.02	0.014 U	0.013 U	0.012 U	0.013 U	0.014 U
Xylenes, Total	XYLENES	0.26	100	100	500	1000	1.6	NA	NA	NA	NA	NA

Notes:
All units in milligrams per kilogram (mg/kg)

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

NC - No criteria exists, NA - Not Analyzed
ft bgs - feet below ground surface
U - Not detected at the detection limit shown,
J - Estimated value, R - Rejected during validation

Table 2-2
IRM Documentation Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB01	SB02	SB03	SB04	SB05	SB06	SB07	SB08	SB09	SB10	SB11	SB12	SB13	SB14
							Sample ID:	SB1-20150715	SB2-20150715	SB3-20150715	SB4-20150716	SB5-20150716	SB6-20150716	SB7-20150716	SB8-20150716	SB9-20150717	SB10-20150717	SB11-20150717	SB12-20150717	SB13-20150717	SB14-20150717
							Start Depth (ft bgs):	0	0	0	0	0	0	0	0	0	0	0	0	0	0
							End Depth (ft bgs):	0	0	0	0	0	0	0	0	0	0	0	0	0	0
							Sample Date:	7/15/2015	7/15/2015	7/15/2015	7/16/2015	7/16/2015	7/16/2015	7/16/2015	7/16/2015	7/17/2015	7/17/2015	7/17/2015	7/17/2015	7/17/2015	7/17/2015
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]														
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1000	0.68	0.0061 U	**0.0049 J**	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	35[CP]	NC	NC	NC	0.6[CP]	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 UT
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.27	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
1,1-Dichloroethene	75-35-4	0.33	100	100	500	1000	0.33	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	3.4[CP]	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 UT
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 UT
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 UT
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 UT
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.02	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 UT
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 UT
2-Butanone	78-93-3	0.12	100	100	500	1000	0.12	0.03 U	0.031 U	0.027 U	0.026 U	0.026 U	0.027 U	0.029 U	0.028 U	0.03 U	0.029 U	0.03 U	0.028 U	0.035 U	0.028 UT
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC	0.03 U	0.031 U	0.027 U	0.026 U	0.026 U	0.027 U	0.029 U	0.028 U	0.03 U	0.029 U	0.03 U	0.028 U	0.035 U	0.028 UT
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	NC	NC	1[CP]	0.03 U	0.031 U	0.027 U	0.026 U	0.026 U	0.027 U	0.029 U	0.028 U	0.03 U	0.029 U	0.03 U	0.028 U	0.035 U	0.028 UT
Acetone	67-64-1	0.05	100	100	500	1000	0.05	0.03 U	0.031 U	0.027 U	0.026 U	0.026 U	0.027 U	0.029 U	**0.014 J**	0.03 U	0.029 U	0.03 U	**0.0047 J**	0.035 U	0.028 UT
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.06	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 UT
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Carbon disulfide	75-15-0	NC	100[CP]	NC	NC	NC	2.7[CP]	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Carbon Tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.76	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Chlorobenzene	108-90-7	1.1	100	100	500	1000	1.1	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Chloroethane	75-00-3	NC	NC	NC	NC	NC	1.9[CP]	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Chloroform	67-66-3	0.37	10	49	350	700	0.37	0.0061 U	0.0062 U	**0.0014 J**	0.0052 U	**0.00048 J**	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	**0.00081 J**	**0.00061 J**
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
cis-1,2-Dichloroethene	156-59-2	0.25	59	100	500	1000	0.25	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 UT
Cyclohexane	110-82-7	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	**0.0010 J**	**0.0017 J**	**0.0010 J**	0.0070 U	0.0057 U
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	100[CP]	NC	NC	NC	6[CP]	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Ethylbenzene	100-41-4	1	30	41	390	780	1	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U

Table 2-2
IRM Documentation Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB01	SB02	SB03	SB04	SB05	SB06	SB07	SB08	SB09	SB10	SB11	SB12	SB13	SB14
							Sample ID:	SB1-20150715	SB2-20150715	SB3-20150715	SB4-20150716	SB5-20150716	SB6-20150716	SB7-20150716	SB8-20150716	SB9-20150717	SB10-20150717	SB11-20150717	SB12-20150717	SB13-20150717	SB14-20150717
							Start Depth (ft bgs):	0	0	0	0	0	0	0	0	0	0	0	0	0	0
							End Depth (ft bgs):	0	0	0	0	0	0	0	0	0	0	0	0	0	0
							Sample Date:	7/15/2015	7/15/2015	7/15/2015	7/16/2015	7/16/2015	7/16/2015	7/16/2015	7/16/2015	7/17/2015	7/17/2015	7/17/2015	7/17/2015	7/17/2015	7/17/2015
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]														
Isopropylbenzene	98-82-8	NC	100[CP]	NC	NC	NC	2.3[CP]	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Methyl Acetate	79-20-9	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 UT
Methylcyclohexane	108-87-2	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Methylene Chloride	75-09-2	0.05	51	100	500	1000	0.05	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
MTBE	1634-04-4	0.93	62	100	500	1000	0.93	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 UT
Tetrachloroethene	127-18-4	1.3	5.5	19	150	300	1.3	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Toluene	108-88-3	0.7	100	100	500	1000	0.7	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	100	500	1000	0.19	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Trichloroethene	79-01-6	0.47	10	21	200	400	0.47	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Vinyl Chloride	75-01-4	0.02	0.21	0.9	13	27	0.02	0.0061 U	0.0062 U	0.0054 U	0.0052 U	0.0051 U	0.0055 U	0.0059 U	0.0056 U	0.0059 U	0.0059 U	0.0059 U	0.0056 U	0.0070 U	0.0057 U
Xylenes, Total	XYLENES	0.26	100	100	500	1000	1.6	0.012 U	0.012 U	0.011 U	0.01 U	0.01 U	0.011 U	0.012 U	0.011 U	0.012 U	0.012 U	0.012 U	0.011 U	0.014 U	0.011 U

Notes:
All units in milligrams per kilogram (mg/kg)

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

NC - No criteria exists, NA - Not Analyzed
ft bgs - feet below ground surface
U - Not detected at the detection limit shown,
J - Estimated value, R - Rejected during validation

Table 2-2
IRM Documentation Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

								Location ID:	SB15	SB16	SB17	SB18	SB19
								Sample ID:	SB15-20150717	SB16-20150717	SB17-20150717	SB18-20150717	SB19-20150717
								Start Depth (ft bgs):	0	0	0	0	0
								End Depth (ft bgs):	0	0	0	0	0
								Sample Date:	7/17/2015	7/17/2015	7/17/2015	7/17/2015	7/17/2015
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]					
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1000	0.68	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	35[CP]	NC	NC	NC	0.6[CP]	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.27	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
1,1-Dichloroethene	75-35-4	0.33	100	100	500	1000	0.33	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	3.4[CP]	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.02	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
2-Butanone	78-93-3	0.12	100	100	500	1000	0.12	0.026 U	0.03 U	0.031 U	0.029 U	0.027 U
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC	0.026 U	0.03 U	0.031 U	0.029 U	0.027 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	NC	NC	1[CP]	0.026 U	0.03 U	0.031 U	0.029 U	0.027 U
Acetone	67-64-1	0.05	100	100	500	1000	0.05	0.026 U	0.03 U	0.031 U	0.029 U	0.027 U
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.06	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Carbon disulfide	75-15-0	NC	100[CP]	NC	NC	NC	2.7[CP]	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Carbon Tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.76	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Chlorobenzene	108-90-7	1.1	100	100	500	1000	1.1	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Chloroethane	75-00-3	NC	NC	NC	NC	NC	1.9[CP]	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Chloroform	67-66-3	0.37	10	49	350	700	0.37	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
cis-1,2-Dichloroethene	156-59-2	0.25	59	100	500	1000	0.25	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Cyclohexane	110-82-7	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	100[CP]	NC	NC	NC	6[CP]	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Ethylbenzene	100-41-4	1	30	41	390	780	1	0.0053 U	0.0059 U	**0.00051 J**	0.0059 U	0.0053 U

Table 2-2
IRM Documentation Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]	Location ID: SB15	Location ID: SB16	Location ID: SB17	Location ID: SB18	Location ID: SB19
								Sample ID: SB15-20150717	Sample ID: SB16-20150717	Sample ID: SB17-20150717	Sample ID: SB18-20150717	Sample ID: SB19-20150717
								Start Depth (ft bgs): 0	Start Depth (ft bgs): 0	Start Depth (ft bgs): 0	Start Depth (ft bgs): 0	Start Depth (ft bgs): 0
								End Depth (ft bgs): 0	End Depth (ft bgs): 0	End Depth (ft bgs): 0	End Depth (ft bgs): 0	End Depth (ft bgs): 0
								Sample Date: 7/17/2015	Sample Date: 7/17/2015	Sample Date: 7/17/2015	Sample Date: 7/17/2015	Sample Date: 7/17/2015
Isopropylbenzene	98-82-8	NC	100[CP]	NC	NC	NC	2.3[CP]	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Methyl Acetate	79-20-9	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Methylcyclohexane	108-87-2	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Methylene Chloride	75-09-2	0.05	51	100	500	1000	0.05	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
MTBE	1634-04-4	0.93	62	100	500	1000	0.93	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Tetrachloroethene	127-18-4	1.3	5.5	19	150	300	1.3	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Toluene	108-88-3	0.7	100	100	500	1000	0.7	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	100	500	1000	0.19	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Trichloroethene	79-01-6	0.47	10	21	200	400	0.47	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Vinyl Chloride	75-01-4	0.02	0.21	0.9	13	27	0.02	0.0053 U	0.0059 U	0.0062 U	0.0059 U	0.0053 U
Xylenes, Total	XYLENES	0.26	100	100	500	1000	1.6	0.011 U	0.012 U	**0.0031 J**	**0.0011 J**	0.011 U

Notes:
All units in milligrams per kilogram (mg/kg)

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCC
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

NC - No criteria exists, NA - Not Analyzed
ft bgs - feet below ground surface
U - Not detected at the detection limit shown,
J - Estimated value, R - Rejected during validation

RAMBOLL

Table 3-1
Remedial Investigation Analytical Summary
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, NY

Sample Location	Sample ID	Sample Date	Sample Depth	Analytical Parameters									
				VOCs	SVOCs	Metals	Cyanide	PCBs	Pesticides	1-4 Dioxane	PFAS	ISCO Parameters	MNA Parameters
SURFACE SOIL (0-2")			**Below Ground Surface**										
SB12-10	SS12-05 (0-2)	10/30/2012	0-2"	X	X	X	X	X	X	X	---	---	---
SB12-13	SS12-06 (0-2)	10/30/2012	0-2"	X	X	X	X	X	X	X	---	---	---
SB12-19	SS12-07 (0-2)	10/30/2012	0-2"	X	X	X	X	X	X	X	---	---	---
SB12-23	SS12-08 (0-2)	10/30/2012	0-2"	X	X	X	X	X	X	X	---	---	---
SB12-31	SS12-09 (0-2)	10/31/2012	0-2"	X	X	X	X	X	X	X	---	---	---
SS13-01	SS13-01-1106	11/6/2013	0-2"	X	X	X	X	X	X	X	---	---	---
SS13-02	SS13-02-1106	11/6/2013	0-2"	X	X	X	X	X	X	X	---	---	---
SSB-02	SSB-02-0-2-121321	12/13/2021	0-2"	---	X	---	---	---	---	X	X	---	---
SSB-03	SSB-03-0-2-121321	12/13/2021	0-2"	---	X	---	---	---	---	---	---	---	---
SSB-04	SSB-04-0-2-121321	12/13/2021	0-2"	---	X	---	---	---	---	---	---	---	---
SSB-05	SSB-05-0-2-121321	12/13/2021	0-2"	---	X	---	---	---	---	---	---	---	---
SSB-06	SSB-06-0-2-121421	12/14/2021	0-2"	---	X	---	---	---	---	X	X	---	---
SSB-07	SSB-07-0-2-121321	12/13/2021	0-2"	---	X	---	---	---	---	---	---	---	---
SSB-08	SSB-08-0-2-121421	12/14/2021	0-2"	---	X	---	---	---	---	---	---	---	---
SSB-09	SSB-09-0-2-121421	12/14/2021	0-2"	---	X	---	---	---	---	---	---	---	---
SSB-10	SSB-10-0-2-121421	12/14/2021	0-2"	---	X	---	---	---	---	---	---	---	---
SSB-11	SSB-11-0-2-121421	12/14/2021	0-2"	---	X	---	---	---	---	X	X	---	---
SSB-12	SSB-12-0-2-121321	12/13/2021	0-2"	---	X	---	---	---	---	---	---	---	---
NEAR-SURFACE SOIL (0-24")			**Below Ground Surface**										
SB12-01	SS12-01 (0-4)	10/30/2012	0-4"	X	X	X	X	X	X	X	---	---	---
SB12-02	SS12-02 (0-4)	10/30/2012	0-4"	X	X	X	X	X	X	X	---	---	---
SB12-04	SS12-03 (0-4)	10/30/2012	0-4"	X	X	X	X	X	X	X	---	---	---
SB12-05	SS12-04 (0-0.5)	10/30/2012	0-6"	X	X	X	X	X	X	X	---	---	---
SB12-20	SB12-20 (0-24)	10/30/2012	0-24"	X	X	X	X	X	X	X	---	---	---
SB12-21	SB12-21 (0-12)	10/30/2012	0-12"	X	X	X	X	X	X	X	---	---	---
SB12-43	SB12-43 (12-24)	11/9/2012	12-24"	X	X	X	X	X	X	X	---	---	---
SSB-01	SSB-01-2-12-121421	12/14/2021	2-12"	X	X	---	---	---	---	---	---	---	---
SSB-02	SSB-02-2-12-121321	12/13/2021	2-12"	X	X	X	X	X	---	---	---	---	---
SSB-03	SSB-03-2-12-121321	12/13/2021	2-12"	X	X	---	---	---	---	---	---	---	---
SSB-04	SSB-04-2-12-121321	12/13/2021	2-12"	X	X	X	X	X	---	---	---	---	---
SSB-05	SSB-05-2-12-121321	12/13/2021	2-12"	X	X	---	---	---	---	---	---	---	---
SSB-06	SSB-06-2-12-121421	12/14/2021	2-12"	X	X	X	X	X	---	---	---	---	---
SSB-07	SSB-07-2-12-121321	12/13/2021	2-12"	X	X	---	---	---	---	---	---	---	---
SSB-08	SSB-08-2-12-121421	12/14/2021	2-12"	X	X	X	X	X	---	X	X	---	---
SSB-09	SSB-09-2-12-121421	12/14/2021	2-12"	X	X	X	X	X	---	X	X	---	---
SSB-10	SSB-10-2-12-121421	12/14/2021	2-12"	X	X	---	---	---	---	---	---	---	---
SSB-11	SSB-11-2-12-121421	12/14/2021	2-12"	X	X	---	---	---	---	---	---	---	---
SSB-12	SSB-12-2-12-121321	12/13/2021	2-12"	X	X	X	X	X	---	X	X	---	---

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Table 3-1
Remedial Investigation Analytical Summary
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, NY

Sample Location	Sample ID	Sample Date	Sample Depth	Analytical Parameters									
				VOCs	SVOCs	Metals	Cyanide	PCBs	Pesticides	1-4 Dioxane	PFAS	ISCO Parameters	MNA Parameters
SUBSURFACE SOIL			Below Ground Surface										
SB12-01	SB12-01 (4-6)	10/29/2012	4-6'	X	X	X	X	X	X	X	---	---	---
SB12-02	SB12-02 (8-12)	10/29/2012	8-12'	X	X	X	X	X	X	X	---	---	---
SB12-03	SB12-03 (0-4)	10/29/2012	0-4'	X	X	X	X	X	X	X	---	---	---
SB12-04	SB12-04 (4-6)	10/29/2012	4-6'	X	X	X	X	X	X	X	---	---	---
SB12-05	SB12-05 (0.5-3.5)	10/29/2012	0.5-3.5'	X	X	X	X	X	X	X	---	---	---
SB12-06	SB12-06 (0-3.3)	10/29/2012	0-3.3'	X	X	X	X	X	X	X	---	---	---
SB12-07	SB12-07 (0-3.9)	10/29/2012	0-3.9'	X	X	X	X	X	X	X	---	---	---
SB12-08	SB12-08 (0-4)	10/29/2012	0-4'	X	X	X	X	X	X	X	---	---	---
SB12-09	SB12-09 (0-4)	10/29/2012	0-4'	X	X	X	X	X	X	X	---	---	---
SB12-10	SB12-10 (2-4)	10/30/2012	2-4'	X	X	X	X	X	X	X	---	---	---
SB12-11	SB12-11 (3-4.7)	10/30/2012	3-4.7'	X	X	X	X	X	X	X	---	---	---
SB12-12	SB12-12 (0-4)	10/30/2012	0-4'	X	X	X	X	X	X	X	---	---	---
SB12-13	SB12-13 (2-4)	10/30/2012	2-4'	X	X	X	X	X	X	X	---	---	---
SB12-14	SB12-14 (0-4)	10/30/2012	0-4'	X	X	X	X	X	X	X	---	---	---
SB12-15	SB12-15 (0-4)	10/30/2012	0-4'	X	X	X	X	X	X	X	---	---	---
SB12-16	SB12-16 (0-4)	10/30/2012	0-4'	X	X	X	X	X	X	X	---	---	---
SB12-17	SB12-17 (0-4)	10/30/2012	0-4'	X	X	X	X	X	X	X	---	---	---
SB12-18	SB12-18 (2-4)	10/30/2012	2-4'	X	X	X	X	X	X	X	---	---	---
SB12-19	SB12-19 (2-4)	10/30/2012	2-4'	X	X	X	X	X	X	X	---	---	---
SB12-22	SB12-22 (0-3)	10/30/2012	0-3'	X	X	X	X	X	X	X	---	---	---
SB12-23	SB12-23 (4-6)	10/30/2012	4-6'	X	X	X	X	X	X	X	---	---	---
SB12-24	SB12-24 (0-3)	10/30/2012	0-3'	X	X	X	X	X	X	X	---	---	---
SB12-25	SB12-25 (1-3)	10/31/2012	1-3'	X	X	X	X	X	X	X	---	---	---
SB12-26	SB12-26 (1-4)	10/31/2012	1-4'	X	X	X	X	X	X	X	---	---	---
SB12-27	SB12-27 (1-4)	10/31/2012	1-4'	X	X	X	X	X	X	X	---	---	---
SB12-28	SB12-28 (1-4)	10/31/2012	1-4'	X	X	X	X	X	X	X	---	---	---
SB12-29	SB12-29 (1-3.7)	10/31/2012	1-3.7'	X	X	X	X	X	X	X	---	---	---
SB12-30	SB12-30 (1-3.9)	10/31/2012	1-3.9'	X	X	X	X	X	X	X	---	---	---
SB12-31	SB12-31 (4-6.6)	10/31/2012	4-6.6'	X	X	X	X	X	X	X	---	---	---
SB12-32	SB12-32 (1-3.9)	10/31/2012	1-3.9'	X	X	X	X	X	X	X	---	---	---
SB12-33	SB12-33 (1-4)	10/31/2012	1-4'	X	X	X	X	X	X	X	---	---	---
SB12-34	SB12-34 (1-4)	10/31/2012	1-4'	X	X	X	X	X	X	X	---	---	---
SB12-35	SB12-35 (1-3.8)	10/31/2012	1-3.8'	X	X	X	X	X	X	X	---	---	---
SB12-36	SB12-36 (1-4.1)	10/31/2012	1-4.1'	X	X	X	X	X	X	X	---	---	---
SB12-37	SB12-37 (2-4.4)	10/31/2012	2-4.4'	X	X	X	X	X	X	X	---	---	---
SB12-38	SB12-38 (0-3.8)	10/31/2012	0-3.8'	X	X	X	X	X	X	X	---	---	---
SB12-39	SB12-39 (1-4)	10/31/2012	1-4'	X	X	X	X	X	X	X	---	---	---
SB12-40	SB12-40 (1-3.9)	11/1/2012	1-3.9'	X	X	X	X	X	X	X	---	---	---
SB12-41	SB12-41 (1-4)	11/1/2012	1-4'	X	X	X	X	X	X	X	---	---	---
SB12-42	SB12-42 (2-4)	11/8/2012	2-4'	X	X	X	X	X	X	X	---	---	---
SB12-44	SB12-44 (2-3.5)	11/14/2012	2-3.5'	X	X	X	X	X	X	X			
SB12-45	SB12-45 (2-4)	11/14/2012	2-4'	X	X	X	X	X	X	X	---	---	---
SB12-46	SB12-46 (4-6)	11/14/2012	4-6'	X	X	X	X	X	X	X	---	---	---
SB12-47	SB12-47 (2-4)	11/14/2012	2-4'	X	X	X	X	X	X	X	---	---	---

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Table 3-1
Remedial Investigation Analytical Summary
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, NY

Sample Location	Sample ID	Sample Date	Sample Depth	Analytical Parameters									
				VOCs	SVOCs	Metals	Cyanide	PCBs	Pesticides	1-4 Dioxane	PFAS	ISCO Parameters	MNA Parameters
Groundwater													
TW12-02	TW12-02	12/6/2012	Shallow Bedrock	X	X	X	X	X	X	---	---	---	---
	TW12-02_031419	3/14/2019		X	---	---	---	---	---	---	---	---	---
TW12-03	TW12-03	12/6/2019	Overburden	X	X	X	X	X	X	X	---	---	---
MW-1	MW-1	12/6/2012	Shallow Bedrock	X	X	X	X	X					
	MW-1-110513	11/5/2013		X									
	MW-1-111315	11/13/2015		X									
	MW-1-031419	3/14/2019		X									
	MW-1-072519	7/25/2019		X						X			
	MW-1-111721	11/17/2021		X						X			
MW-2	MW-2	12/6/2012	Shallow Bedrock	X	X	X	X	X					
	MW-2-110513	11/5/2013		X									
	MW-2-111315	11/13/2015		X									
	MW-2-031419	3/14/2019		X									
	MW-2-072519	7/25/2019		X									
	MW-2-111721	11/17/2021		X						X			
MW-3	MW-3	12/6/2012	Shallow Bedrock	X	X	X	X	X					
	MW-3-110513	11/5/2013		X									
	MW-3-111315	11/13/2015		X									
	MW-3-111721	11/17/2021		X						X			
MW12-01	MW12-01	12/7/2012	Shallow Bedrock	X	X	X	X	X					
	MW12-01-1110613	11/6/2013		X									
	MW12-01-111115	11/11/2015		X									
	MW12-01-031419	3/14/2019		X									
	MW12-01-072319	7/23/2019										X	
	MW12-01-111721	11/17/2021		X						X			
MW12-02	MW12-02	12/6/2012	Shallow Bedrock	X	X	X	X	X					
	MW12-02-1110613	11/6/2013		X									
	MW12-02-111315	11/13/2015		X									
	MW12-02-031419	3/14/2019		X									
	MW12-02-072319	7/23/2019		X								X	
	MW12-02-111921	11/19/2021		X						X			

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Table 3-1
Remedial Investigation Analytical Summary
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, NY

Sample Location	Sample ID	Sample Date	Sample Depth	Analytical Parameters									
				VOCs	SVOCs	Metals	Cyanide	PCBs	Pesticides	1-4 Dioxane	PFAS	ISCO Parameters	MNA Parameters
MW12-03	MW12-03	12/5/2012	Shallow Bedrock	X	X	X	X	X					
	MW12-03-1110613	11/6/2013		X									
	MW12-03-111215	11/12/2015		X									
	MW12-03-111921	11/19/2021		X						X			
MW12-04	MW12-04	12/5/2012	Shallow Bedrock	X	X	X	X	X					
	MW12-04-1110513	11/5/2013		X									
	MW12-04-111215	11/12/2015		X									
	MW12-04-031419	3/14/2019		X									
	MW12-04-072419	7/24/2019		X						X			
	MW12-04-111921	11/19/2021		X						X			
MW12-05	MW12-05	12/7/2012	Shallow Bedrock	X	X	X	X	X					
	MW12-05-1110613	11/6/2013		X									
	MW12-05-111215	11/12/2015		X									
	MW12-05-111921	11/19/2021		X						X			
MW12-06	MW12-06	12/5/2012	Shallow Bedrock	X	X	X	X	X					
	MW12-06-1110513	11/5/2013		X									
	MW12-06-111315	11/13/2015		X									
	MW12-06-111821	11/18/2021		X						X			
MW12-07	MW12-07-1110513	11/5/2013	Shallow Bedrock	X									
	MW12-07-111315	11/13/2015		X									
	MW12-07-031419	3/14/2019		X									
	MW12-07-072419	7/24/2019		X						X			
	MW12-07-111621	11/16/2021		X						X			
MW12-08	MW12-08-1110513	11/5/2013	Shallow Bedrock	X									
	MW12-08-111215	11/12/2015		X									
	MW12-08-031419	3/14/2019		X									
	MW12-08-072419	7/24/2019		X						X			X
	MW12-08-111921	11/19/2021		X						X			
MW12-09	MW12-09-1110613	11/6/2013	Shallow Bedrock	X									
	MW12-09-111115	11/11/2015		X									
	MW12-09-1118621	11/18/2021		X						X			
MW12-10	MW12-10-1110613	11/6/2013	Shallow Bedrock	X									
	MW12-10-111115	11/11/2015		X									
	MW12-10-031419	3/14/2019		X									
	MW12-10-072419	7/24/2019		X						X			X
	MW12-10-111821	11/18/2021		X						X			

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Table 3-1
Remedial Investigation Analytical Summary
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, NY

Sample Location	Sample ID	Sample Date	Sample Depth	Analytical Parameters									
				VOCs	SVOCs	Metals	Cyanide	PCBs	Pesticides	1-4 Dioxane	PFAS	ISCO Parameters	MNA Parameters
MW12-11	MW12-11-1110513	11/5/2013	Shallow Bedrock	X									
	MW12-11-111315	11/13/2015		X									
	MW12-11-031419	3/14/2019		X									
	MW12-11-072319	7/23/2019		X						X			
	MW12-11-111821	11/18/2021		X						X			
MW12-12	MW12-12-1110613	11/6/2013	Shallow Bedrock	X									
	MW12-12-111215	11/12/2015		X									
	MW12-12-031419	3/14/2019		X									
	MW12-12-072419	7/24/2019		X						X		X	
	MW12-12-111921	11/19/2021		X						X			
MW12-13	MW12-13-022714	2/27/2014	Shallow Bedrock	X									
	MW12-13-111315	11/13/2015		X									
	MW12-13-111721	11/17/2021		X						X			
MW12-14	MW12-14-022714	2/27/2014	Shallow Bedrock	X									
	MW12-14-111315	11/13/2015		X									
	MW12-14-031419	3/14/2019		X									
	MW12-14-111921	11/19/2021		X						X			
MW12-15	MW12-15-022714	2/27/2014	Shallow Bedrock	X									
	MW12-15-111315	11/13/2015		X									
	MW12-15-111721	11/17/2021		X						X			
MW12-16	MW12-16-111315	11/13/2015	Shallow Bedrock	X									
	MW12-16-11921	11/19/2021		X						X			
MW12-17	MW12-17-111215	11/12/2015	Shallow Bedrock	X									
	MW12-17-111921	11/19/2021		X						X			
MW12-18	MW12-18-111215	11/12/2015	Shallow Bedrock	X									
	MW12-18-031219	3/12/2019		X									
	MW12-18-072419	7/24/2019		X									X
	MW12-18-111821	11/18/2021		X						X			
MW12-19	MW12-19-111215	11/12/2015	Shallow Bedrock	X									
	MW12-19-111821	11/18/2021		X						X			
MW12-20	MW12-20-111315	11/13/2015	Shallow Bedrock	X									
	MW12-20-031419	3/14/2019		X									
	MW12-20-072419	7/24/2019		X									X
	MW12-20-111821	11/18/2021		X						X			
MW12-21	MW12-21-031419	3/14/2019	Deeper Bedrock	X									
	MW12-21-072519	7/25/2019		X									
	MW12-21-111821	11/18/2021		X						X			
MW12-22	MW12-22-031419	3/14/2019	Deeper Bedrock	X									
MW12-23	MW12-23-031419	3/14/2019	Deeper Bedrock	X									
MW12-24	MW12-24-031419	3/14/2019	Deeper Bedrock	X									
	MW12-24-072519	7/25/2019		X									
	MW12-24-111621	11/16/2021		X						X			
MW12-25	MW12-25-031419	3/14/2019	Deeper Bedrock	X									
	MW12-25-072519	7/25/2019		X									
	MW12-25-111821	11/18/2021		X						X			

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Table 3-1
Remedial Investigation Analytical Summary
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, NY

Sample Location	Sample ID	Sample Date	Sample Depth	Analytical Parameters									
				VOCs	SVOCs	Metals	Cyanide	PCBs	Pesticides	1-4 Dioxane	PFAS	ISCO Parameters	MNA Parameters
MW12-26	MW12-26-031419	3/14/2019	Deeper Bedrock	X									
	MW12-26-072519	7/25/2019		X									
	MW12-26-111721	11/17/2021		X						X			
MW12-27	MW12-27-031419	3/14/2019	Shallow Bedrock	X									
	MW12-27-072519	7/25/2019		X									
	MW12-27-111721	11/18/2021		X						X			
MW12-28	MW12-28-031419	3/14/2019	Shallow Bedrock	X									
	MW12-28-072619	7/26/2019		X									
	MW12-28-111921	11/19/2021		X						X			

Notes:

VOCs - volatile organic compounds

SVOCs - semivolatile organic compounds

PCBs - polychlorinated biphenyls

PFAS - Per- and polyfluoroalkyl substances

In-Situ Chemical Oxidation (ISCO) Parameters: carbon dioxide, chemical oxygen demand, total dissolved solids, total inorganic carbon, and total organic carbon

Monitored Natural Attenuation Parameters: alkalinity, ammonia, chloride, dissolved organic carbon, nitrate, nitrite, nitrate-nitrite nitrogen, total Kjedahl nitogen, ortho-phosphate, phosphorus, sulfate, sulfide, ethene, ethane, and methane

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Table 3-2
Suammary of Hydraulic Conductivity Results
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, NY

Well ID	Surface Completion	Well Depth	Open Interval		Static WL	Field Method	Test Type	Analysis Method	Hydraulic Conductivity (cm/sec)	Hydraulic Conductivity (ft/day)	Notes
			Top	Bottom							
---	---	ft bmp	ft bmp	ft bmp	ft bmp	---	---				
MW-1	Stick up	28.38	8.38	28.38	6.15	Hand Bail	RISING	---	---	---	Very slow recovery (approximately 1%) in about seven days of monitoring. DATA NOT ANALYZED
MW-2	Stick up	28.05	7.55	28.05	8.99	Hand Bail	RISING	---	---	---	No observable recovery after about seven days of monitoring. DATA NOT ANALYZED
MW-3	Stick up	30.51	11.01	30.51	9.76	Hand Bail	RISING	---	---	---	No observable recovery after about seven days of monitoring. DATA NOT ANALYZED
MW12-01	Stick up	32.06	10.96	32.06	10.26	Hand Bail	RISING	---	---	---	40% recovery after 5 days monitoring. Well was still recovering after test was terminated. DATA NOT ANALYZED.
MW12-02	Stick up	31.87	7.87	31.87	22.13	Hand Bail	RISING	Bouwer & Rice	3.40E-04	0.9638	
MW12-03	Stick up	31.96	7.96	31.96	8.74	Hand Bail	RISING	Bouwer & Rice	2.48E-07	0.0007	91% recovery after about 6 days monitoring. Few data points collected. USE AS APPROXIMATE VALUE
MW12-04	Stick up	31.71	8.21	31.71	6.04	Hand Bail	RISING	Bouwer & Rice	1.24E-06	0.0035	83% recovery after about 1 day monitoring. Few data points collected. USE AS APPROXIMATE VALUE
MW12-05	Stick up	32.3	10.8	32.3	16.12	Hand Bail	RISING	---	---	---	Very slow recovery (approximately 8%) in about five days of monitoring. DATA NOT ANALYZED
MW12-06	Stick up	32	9	32	8.68	Hand Bail	RISING	---	---	---	Very slow recovery (approximately 2%) in about seven days of monitoring. DATA NOT ANALYZED
MW12-07	flush mount	29.72	9.72	29.72	---	---	---	---	---	---	No Test Performed
MW12-08	flush mount	29.71	4.81	29.71	5.15	Hand Bail	RISING	Bouwer & Rice	1.80E-06	0.0051	95% recovery after about 1 day monitoring. Few data points collected. USE AS APPROXIMATE VALUE
MW12-09	flush mount	29.8	5	29.8	10.53	Hand Bail	RISING	---	---	---	Very slow recovery (approximately 1%) in about eight days of monitoring. DATA NOT ANALYZED
MW12-10	flush mount	29.4	7.6	29.4	12.82	Hand Bail	RISING	Bouwer & Rice	9.00E-06	0.0255	
MW12-11	flush mount	29.72	5.22	29.72	---	---	---	---	---	---	No Test Performed
MW12-12	flush mount	29.69	6.69	29.69	12.6	Hand Bail	RISING	Bouwer & Rice	5.25E-07	0.0015	96% recovery after about 6 days monitoring. Few data points collected. USE AS APPROXIMATE VALUE
MW12-13	Stick up	33.05	8.05	33.05	6.55	Slug/Trans	RISING	Bouwer & Rice	7.75E-07	0.0022	
MW12-14	flush mount	29.58	4.08	29.58	26.01	Hand Bail	RISING	Bouwer & Rice	7.80E-04	2.2110	
MW12-15	Stick up	32.95	8.95	32.95	4.92	Hand Bail	RISING	Bouwer & Rice	---	---	Monitored for about 5 hours. 27% recovery. DATA NOT ANALYZED.
MW12-16	flush mount	29.55	8.45	29.55	1.86	Hand Bail	RISING	---	---	---	Very slow recovery (approximately 1%) in about seven days of monitoring. DATA NOT ANALYZED
MW12-17	flush mount	29.73	13.03	29.73	9.49	Hand Bail	RISING	---	---	---	Very slow recovery (approximately 3%) in about seven days of monitoring. DATA NOT ANALYZED
MW12-18	flush mount	29.53	5.53	29.53	8.61	Hand Bail	RISING	Bouwer & Rice	1.46E-05	0.0414	
MW12-19	flush mount	29.62	7.12	29.62	3.75	Hand Bail	RISING	Bouwer & Rice	4.13E-06	0.0117	83% recovery after about 5.5 hrs monitoring. USE AS APPROXIMATE VALUE
MW12-20	flush mount	29.73	6.23	29.73	6.35	Hand Bail	RISING	Bouwer & Rice	---	---	59% recovery in about 7 days monitoring. DATA NOT ANALYZED.
MW12-21	flush mount	39.8	29.8	39.8	29.87	Hand Bail	RISING	Bouwer & Rice	6.09E-05	0.1727	99% recovery after about 3 hrs. of monitoring. Few data points collected. USE AS APPROXIMATE VALUE
MW12-22	flush mount	39.5	31.9	42.9	DRY	NA	NA	---	---	---	MONITORING WELL WAS DRY.
MW12-23	Stick up	45.4	31.4	45.4	45	Hand Bail	RISING	---	---	---	Only 0.5-ft of water in well. DATA NOT ANALYZED
MW12-24	Stick up	41.4	31.4	41.4	40.22	Hand Bail	RISING	Bouwer & Rice	7.29E-05	0.2068	84% recovery after about 2.5 hrs. of monitoring. USE AS APPROXIMATE VALUE
MW12-25	flush mount	39.7	29.7	39.7	17.89	Hand Bail	RISING	---	---	---	Very slow recovery (approximately 2%) in about eight days of monitoring. DATA NOT ANALYZED
MW12-26	Stick up	41.2	31.2	41.2	38.13	Hand Bail	RISING	---	---	---	Very slow recovery (approximately 5%) in about seven days of monitoring. DATA NOT ANALYZED
MW12-27	Stick up	32.8	11.3	32.8	7.42	Slug/Trans	FALLING	Bouwer & Rice	7.53E-07	0.0021	66% recovery in about 1 day of monitoring. USE AS APPROXIMATE VALUE
MW12-28	flush mount	29.3	5.8	29.3	6.56	Hand Bail	RISING	---	---	---	Very slow recovery (approximately 8%) in about eight days of monitoring. DATA NOT ANALYZED

Table 4-1
Groundwater Elevation Summary
Former Bomax Manufacturing
Site No. 623009
Town of Watertown, New York

Well ID	Northing (ft)	Easting (ft)	Ground Elevation (ft amsl)	Casing Elevation (ft amsl)	Overbuden Screened Interval	Open Bedrock Interval Elevation (ft amsl)	Groundwater Elevation December 2012		Groundwater Elevation January 2013		Groundwater Elevation May 2013		Groundwater Elevation November 2013		Groundwater Elevation February 2014		Groundwater Elevation November 2015		Groundwater Elevation March 2019		Groundwater Elevation July 2019		Groundwater Elevation November 2021	
							(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)	(ft btoc)	(ft amsl)
Overburden Monitoring Wells																								
TW12-01	1453461.521	987639.138	464.6	467.60	457.6 - 452.6		Dry	---	Dry	---	Dry	---	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
TW12-03	1453879.985	987807.133	468.6	469.85	466.6 - 464.6		4.75	465.10	4.64	465.21	4.60	465.25	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Shallow Bedrock Monitoring Wells																								
MW-1	1453522.07	987401.67	464.0	466.38		458.0 - 438.0	6.33	460.05	5.16	461.22	5.50	460.88	6.12	460.26	NM	NM	6.91	459.47	5.24	461.14	6.14	460.24	5.22	461.16
MW-2	1453498.38	987295.33	463.1	465.65		458.1 - 437.6	4.96	460.69	10.40	455.25	5.45	460.20	4.89	460.76	NM	NM	6.29	459.36	4.97	460.68	6.90	458.75	4.18	461.47
MW-3	1453534.21	987278.60	464.4	466.41		455.4 - 435.9	7.06	459.35	5.86	460.55	6.48	459.93	6.42	459.99	NM	NM	7.75	458.66	8.74	457.67	8.76	457.65	8.11	458.30
MW12-01	1453727.67	987966.16	468.2	470.16		459.2 - 438.1	25.37	444.79	18.00	452.16	9.18	460.98	9.53	460.63	NM	NM	9.46	460.70	10.47	459.69	9.14	461.02	9.15	461.01
MW12-02	1454022.36	987549.85	465.3	467.17		459.3 - 435.3*	20.49	446.68	22.98	444.19	23.15	444.02	21.20	445.97	NM	NM	23.85	443.32						
MW12-02	1454022.36	987549.85	465.5	465.42		459.3 - 435.3*													13.34	452.08	21.99	443.43	15.51	449.91
MW12-03	1454360.69	987698.35	463.8	465.76		457.8 - 433.8	7.58	458.18	7.94	457.82	8.40	457.36	7.42	458.34	NM	NM	8.28	457.48	8.25	457.51	8.57	457.19	7.28	458.48
MW12-04	1454215.17	988010.87	466.9	468.61		460.4 - 436.9	4.59	464.02	4.51	464.10	4.87	463.74	4.04	464.57	NM	NM	4.99	463.62	4.08	464.53	5.20	463.41	3.22	465.39
MW12-05	1453334.59	987799.63	468.3	470.60		459.8 - 438.3	29.83	440.77	16.64	453.96	16.74	453.86	17.76	452.84	NM	NM	17.68	452.92	14.98	455.62	15.68	454.92	9.89	460.71
MW12-06	1453821.35	987360.41	465.1	467.10		458.1 - 435.1	11.99	455.11	6.98	460.12	7.38	459.72	6.63	460.47	NM	NM	8.34	458.76	5.31	461.79	7.63	459.47	4.79	462.31
MW12-07	1453917.42	987571.43	466.2	465.92		456.2 - 436.2*	NI	NI	NI	NI	NI	NI	24.03	441.89	NM	NM	24.42	441.50	9.43	456.49	24.84	441.08	9.04	456.88
MW12-08	1454264.65	987923.25	467.1	466.81		462.0 - 437.1	NI	NI	NI	NI	NI	NI	3.32	463.49	NM	NM	4.71	462.10	2.3	464.51	4.49	462.32	1.58	465.23
MW12-09	1453977.10	987415.14	464.1	463.90		458.9 - 434.1	NI	NI	NI	NI	NI	NI	10.73	453.17	NM	NM	11.40	452.50	9.4	454.50	9.55	454.35	9.68	454.22
MW12-10	1454053.67	987482.60	464.5	463.90		456.3 - 434.5	NI	NI	NI	NI	NI	NI	9.79	454.11	NM	NM	10.31	453.59	8.9	455.00	10.14	453.76	7.45	456.45
MW12-11	1454140.32	987523.23	463.3	463.02		457.8 - 433.3*	NI	NI	NI	NI	NI	NI	14.42	448.60	NM	NM	15.00	448.02	10.76	452.26	15.35	447.67	7.98	455.04
MW12-12	1454097.13	987683.22	466.3	465.99		459.3 - 436.3	NI	NI	NI	NI	NI	NI	11.55	454.44	NM	NM	11.60	454.39	8.89	457.10	10.50	455.49	10.37	455.62
MW12-13	1453453.40	987288.89	461.4	463.95		455.9 - 430.9	NI	NI	NI	NI	NI	NI	NI	NI	9.24	454.71	7.91	456.04	3.48	460.47	6.28	457.67	3.02	460.93
MW12-14	1454201.25	987550.11	462.8	462.38		458.3 - 432.8*	NI	NI	NI	NI	NI	NI	NI	NI	21.58	440.80	4.77	457.61	10.65	451.73	26.75	435.63	10.21	452.17
MW12-15	1453508.85	987066.43	457.9	460.85		451.9 - 427.9	NI	NI	NI	NI	NI	NI	NI	NI	4.72	456.13	4.72	456.13	4.27	456.58	3.25	457.60	3.34	457.51
MW12-16	1454529.50	987288.03	457.2	456.75		448.3 - 427.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	3.34	453.41	S		0.40	456.35	-0.05	456.80
MW12-17	1454446.30	987464.13	458.3	458.03		445.0 - 428.3	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	6.76	451.27	8.82	449.21	8.80	449.23	9.77	448.26
MW12-18	1454303.38	987473.73	459.5	459.03		453.5 - 429.5*	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	8.45	450.58	5.7	453.33	8.56	450.47	3.79	455.24
MW12-19	1454336.61	987149.70	456.9	456.52		449.4 - 426.9	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	3.68	452.84	3.43	453.09	2.70	453.82	1.21	455.31
MW12-20	1454408.07	987969.45	463.9	463.63		457.4 - 433.9	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	6.08	457.55	5.22	458.41	5.58	458.05	3.74	459.89
MW12-27	1454325.59	988165.17	460.5	463.30		451.3 - 430.2	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	5.07	458.23	6.43	456.87	4.13	459.17
MW12-28	1454186.22	987430.65	460.4	459.70		453.4 - 430.4	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	5.47	457.83	6.40	453.30	2.48	457.22
TW12-02 **	1453821.549	987822.124	468.3	471.51		467.3 - 455.7	6.06	465.45	6.91	464.60	7.40	464.11	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Deeper Bedrock Monitoring Wells																								
MW12-21	1453844.01	987831.17	468.7	468.50		438.7 - 428.7	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	27.83	440.67	27.82	440.68	26.92	441.58
MW12-22	1454207.68	988007.64	467.0	468.90		437.0 - 426.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	42.3	426.60	42.35	426.55	42.27	426.63
MW12-23	1453924.35	987575.09	466.5	467.90		436.5 - 422.3	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	44.81	423.09	45.00	422.90	44.93	422.97
MW12-24	1454045.61	987665.66	467.5	468.90		437.5 - 427.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	40.17	428.73	39.79	429.11	35.71	433.19
MW12-25	1454149.36	987527.31	463.4	463.10		433.4 - 422.5	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	36.06	427.04	20.60	442.50	15.61	447.49
MW12-26	1453496.64	987304.00	462.6	463.80		432.6 - 422.6	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	40.73	423.07	39.54	424.26	36.57	427.23

Notes:

ft - feet
ft amsl - feet above mean sea level
ft btoc - feet below top of casing
* - PVC well screen installed due to poor rock quality
** - Temporary well installed in 10,000 Wastewater holding tank backfill
NI - Not installed
NM - Not measured

RAMBOLL

Table 5-1
Summary Statistics for Constituents Detected in Surface Soil
Former Bomax Manufacturing
Site No. 623009
Town of Watertown, New York

Detected Constituent	CAS Number	Detected Concentration Range	Geomean Detected Concentration	Frequency of Detections	Frequency of Detections Above Part 375 Unrestricted SCOs	Frequency of Detections Above Part 375 Residential SCOs	Frequency of Detections Above Part 375 Restricted-Residential SCOs	Frequency of Detections Above Part 375 Commercial SCOs	Frequency of Detections Above Part 375 Industrial SCOs	Frequency of Detections Above Part 375 Protection of GW SCOs
VOCs (mg/kg)										
Methylene Chloride	75-09-2	ND - 0.023 J	0.023 J	1 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
SVOCs (mg/kg)										
Acenaphthene	83-32-9	0.17 J - 1.6	0.54	4 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18
Anthracene	120-12-7	0.34 - 9 J	2.19	4 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18
Benzo[a]anthracene	56-55-3	0.062 J - 53 J	1.36	9 / 18	4 / 18	4 / 18	4 / 18	2 / 18	2 / 18	4 / 18
Benzo[a]pyrene	50-32-8	0.064 J - 54 J	1.61	8 / 18	3 / 18	3 / 18	3 / 18	2 / 18	2 / 18	2 / 18
Benzo[b]fluoranthene	205-99-2	0.094 J - 86 J	2.12	8 / 18	4 / 18	4 / 18	4 / 18	3 / 18	2 / 18	3 / 18
Benzo[g,h,i]perylene	191-24-2	0.21 J - 43 J	2.02	7 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18
Benzo[k]fluoranthene	207-08-9	0.39 - 28	3.28	5 / 18	3 / 18	3 / 18	2 / 18	0 / 18	0 / 18	3 / 18
Bis(2-Ethylhexyl)phthalate	117-81-7	ND - 0.13 J	0.13 J	1 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18
Butylbenzylphthalate	85-68-7	ND - 0.23 J	0.23 J	1 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18
Carbazole	86-74-8	6.6 - 12	4.15	3 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18
Chrysene	218-01-9	0.073 J - 72 J	2.47	7 / 18	4 / 18	4 / 18	3 / 18	1 / 18	0 / 18	4 / 18
Dibenzo[a,h]Anthracene	53-70-3	0.11 J - 9.1	1.22	5 / 18	4 / 18	4 / 18	4 / 18	3 / 18	2 / 18	0 / 18
Dibenzofuran	132-64-9	0.15 J - 1.64 J	0.72	3 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18
Fluoranthene	206-44-0	0.11 J - 150	1.68	10 / 18	2 / 18	2 / 18	2 / 18	0 / 18	0 / 18	0 / 18
Fluorene	86-73-7	0.241 J - 2.4 J	0.78	4 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18
Indeno[1,2,3-cd]pyrene	193-39-5	0.21 J - 48 J	2.23	7 / 18	5 / 18	5 / 18	5 / 18	2 / 18	2 / 18	2 / 18
Naphthalene	91-20-3	0.4 - 0.473 J	0.43	2 / 12	0 / 12	0 / 12	0 / 12	0 / 12	0 / 12	0 / 12
Phenanthrene	85-01-8	0.21 J - 55 J	3.14	6 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18
Pyrene	129-00-0	0.083 J - 92	1.41	10 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18	0 / 18
Inorganics (mg/kg)										
Aluminum	7429-90-5	4000 - 53000	16,819	7 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Arsenic	7440-38-2	1.31 J - 14	3.64	4 / 7	1 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Barium	7440-39-3	22 J - 200	80.2	7 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Beryllium	7440-41-7	0.3 - 0.98	0.54	2 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Cadmium	7440-43-9	0.28 J - 0.98	0.47	7 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Calcium	7440-70-2	3400 - 210000	19,361	7 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Chromium	7440-47-3	7 - 29	16.6	7 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Cobalt	7440-48-4	2.62 J - 18	7.28	7 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Copper	7440-50-8	2.8 J - 33 J	15.8	7 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Cyanide	57-12-5	ND - 0.88	0.88	1 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Iron	7439-89-6	8300 - 36000	18,804	7 / 7	0 / 7	7 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Lead	7439-92-1	1.9 - 110 J	15.4	7 / 7	1 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Magnesium	7439-95-4	3800 - 11000	5,824	7 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Manganese	7439-96-5	300 J - 670 J	504.0	7 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Mercury	7439-97-6	0.029 J - 0.058	0.039	7 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Nickel	7440-02-0	4.3 - 25	12.3	7 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Potassium	7440-09-7	780 - 3800	1,704	7 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Sodium	7440-23-5	116 J - 350	145	7 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Vanadium	7440-62-2	9.8 - 47	25.9	7 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Zinc	7440-66-6	22 J - 200 J	61.7	7 / 7	1 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Pesticides (mg/kg)										
4-4-DDE	72-55-9	ND - 0.00066 J	0.00066 J	1 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
4-4-DDT	50-29-3	0.0015 J - 0.134 J	0.007 J	3 / 7	1 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
a-BHC	319-84-6	ND - 0.00093 J	0.00093 J	1 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
b-BHC	319-85-7	ND - 0.00504 J	0.00504 J	1 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
d-BHC	319-86-8	ND - 0.00107 J	0.00107 J	1 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Endosulfan I	959-98-8	ND - 0.0007 J	0.0007 J	1 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Endosulfan II	33213-65-9	ND - 0.00055 J	0.00055 J	1 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Endrin Aldehyde	7421-93-4	ND - 0.00322 J	0.00322 J	1 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Endrin Ketone	53494-70-5	ND - 0.00703 J	0.00703 J	1 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Methoxychlor	72-43-5	ND - 0.00332 J	0.00332 J	1 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7	0 / 7
Per- and Polyfluoroalkyl Substances (mg/kg)										
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ND - 0.00032 J	0.00032 J	1 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3

Notes: ug/Kg - micrograms per kilogram
ug/L - micrograms per liter
J - estimated concentration
ND - Not Detected

Table 5-1A
Surface Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-10	SB12-13	SS12-06	SB12-19	SB12-23	SB12-31	SS13-01	SS13-02	SS13-02
							Sample ID:	SS12-05(0-2)	SS12-06(0-2)	SS12-FD01	SS12-07(0-2)	SS12-08(0-2)	SS12-09 (0-2)	SS13-01-1106	SS13-02-1106	FD-01-1106
							Start Depth (in bgs):	0	0	0	0	0	0	0	0	0
							End Depth (in bgs):	2	2	2	2	2	2	2	2	2
							Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/31/2012	11/6/2013	11/6/2013	11/6/2013
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]									
1,1,1,2-Tetrachloroethane	630-20-6	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1000	0.68	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	35[CP]	NC	NC	NC	0.6[CP]	0.0013 U	0.0012 U	0.0012 U	0.00099 U	0.0012 U	0.0012 U	0.0013 U	0.0011 U	0.001 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.27	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
1,1-Dichloroethene	75-35-4	0.33	100	100	500	1000	0.33	0.0052 U	0.0047 U	0.0048 U	0.0039 U	0.0049 U	0.0046 U	0.0051 U	0.0044 U	0.0041 U
1,1-Dichloropropene	563-58-6	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
1,2,3-Trichloropropane	96-18-4	NC	80[CP]	NC	NC	NC	0.34[CP]	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	3.4[CP]	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	380	3.6	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC	0.0026 UJ	0.0024 UJ	0.0024 U	0.002 U	0.0024 UJ	0.0023 UJ	0.0026 U	0.0022 U	0.002 U
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC	0.0013 U	0.0012 U	0.0012 U	0.00099 U	0.0012 U	0.0012 U	0.0013 U	0.0011 U	0.001 U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.02	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
1,3,5- Trichlorobenzene	108-70-3	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	380	8.4	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
1,3-Dichloropropane	142-28-9	NC	NC	NC	NC	NC	0.3[CP]	0.0013 U	0.0012 U	0.0012 U	0.00099 U	0.0012 U	0.0012 U	0.0013 U	0.0011 U	0.001 U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1	R	R	NA	R	R	R	0.13 UJ	0.11 UJ	0.1 UJ
2,2-Dichloropropane	594-20-7	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
2-Butanone	78-93-3	0.12	100	100	500	1000	0.12	0.052 UJ	0.047 UJ	0.048 UJ	0.039 UJ	0.049 UJ	0.046 U	0.051 U	0.044 U	0.041 U
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC	0.026 U	0.024 U	0.024 U	0.02 U	0.024 U	0.023 U	0.051 U	0.044 U	0.041 U
4-Isopropyltoluene	99-87-6	NC	NC	NC	NC	NC	10[CP]	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	NC	NC	1[CP]	0.026 U	0.024 U	0.024 U	0.02 U	0.024 U	0.023 U	0.026 U	0.022 U	0.02 U
Acetone	67-64-1	0.05	100	100	500	1000	0.05	0.13 UJ	0.12 UJ	0.12 UJ	0.099 UJ	0.12 UJ	0.12 UJ	0.13 UJ	0.11 UJ	0.1 UJ
Acrylonitrile	107-13-1	NC	NC	NC	NC	NC	NC	0.0078 UJ	0.0071 UJ	0.0072 U	0.0059 U	0.0073 UJ	0.007 UJ	0.0077 U	0.0066 U	0.0061 U
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.06	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
Bromobenzene	108-86-1	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
Bromochloromethane	74-97-5	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC	0.0026 UJ	0.0024 UJ	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC	0.013 U	0.012 U	0.012 U	0.0099 U	0.012 U	0.012 UJ	0.013 UJ	0.011 U	0.01 U
Carbon disulfide	75-15-0	NC	100[CP]	NC	NC	NC	2.7[CP]	0.0078 U	0.0071 U	0.048 U	0.039 U	0.0073 U	0.007 U	0.0077 U	0.0066 U	0.0061 U
Carbon Tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.76	0.0026 UJ	0.0024 UJ	0.0024 U	0.002 U	0.0024 UJ	0.0023 U	0.0026 U	0.0022 U	0.002 U
Chlorobenzene	108-90-7	1.1	100	100	500	1000	1.1	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
Chloroethane	75-00-3	NC	NC	NC	NC	NC	1.9[CP]	0.026 U	0.024 U	0.024 U	0.02 U	0.024 U	0.023 U	0.026 U	0.022 U	0.02 U
Chloroform	67-66-3	0.37	10	49	350	700	0.37	0.0052 U	0.0047 U	0.0048 U	0.0039 U	0.0049 U	0.0046 U	0.0051 U	0.0044 U	0.0041 U
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC	0.013 U	0.012 U	0.012 UJ	0.0099 UJ	0.012 U	0.012 U	0.013 UJ	0.011 U	0.01 U
cis-1,2-Dichloroethene	156-59-2	0.25	59	100	500	1000	0.25	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC	0.0013 U	0.0012 U	0.0012 U	0.00099 U	0.0012 U	0.0012 U	0.0026 U	0.0022 U	0.002 U
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0012 U	0.00099 U	0.0024 U	0.0012 U	0.0013 U	0.0011 U	0.001 U
Dibromomethane	74-95-3	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC	0.026 U	0.024 U	0.024 U	0.02 U	0.024 U	0.023 U	0.026 U	0.022 U	0.02 U
Diisopropyl Ether	108-20-3	NC	NC	NC	NC	NC	NC	0.0013 U	0.0012 U	0.0012 U	0.00099 U	0.0012 U	0.0012 U	0.0013 U	0.0011 U	0.001 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	100[CP]	NC	NC	NC	6[CP]	0.013 U	0.012 U	0.012 U	0.0099 U	0.012 U	0.012 U	0.013 U	0.011 U	0.01 U
Ethyl ether	60-29-7	NC	NC	NC	NC	NC	NC	0.026 U	0.024 U	0.024 U	0.02 U	0.024 U	0.023 U	0.026 U	0.022 U	0.02 U
Ethylbenzene	100-41-4	1	30	41	390	780	1	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U

Table 5-1A
Surface Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-10	SB12-13	SS12-06	SB12-19	SB12-23	SB12-31	SS13-01	SS13-02	SS13-02
							Sample ID:	SS12-05(0-2)	SS12-06(0-2)	SS12-FD01	SS12-07(0-2)	SS12-08(0-2)	SS12-09 (0-2)	SS13-01-1106	SS13-02-1106	FD-01-1106
							Start Depth (in bgs):	0	0	0	0	0	0	0	0	0
							End Depth (in bgs):	2	2	2	2	2	2	2	2	2
							Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/31/2012	11/6/2013	11/6/2013	11/6/2013
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]									
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
Isopropylbenzene	98-82-8	NC	100[CP]	NC	NC	NC	2.3[CP]	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
m,p-Xylene	179601-23-1	NC	NC	NC	NC	NC	NC	0.0052 U	0.0047 U	0.0048 U	0.0039 U	0.0049 U	0.0046 U	0.0051 U	0.0044 U	0.0041 U
Methylene Chloride	75-09-2	0.05	51	100	500	1000	0.05	0.026 U	0.024 U	0.024 U	0.02 U	0.024 U	**0.023 J**	0.026 U	0.022 U	0.02 U
MTBE	1634-04-4	0.93	62	100	500	1000	0.93	0.0052 U	0.0047 U	0.0048 U	0.0039 U	0.0049 U	0.0046 U	0.0051 U	0.0044 U	0.0041 U
Naphthalene	91-20-3	12	100	100	500	1000	12	0.0052 UJ	0.0047 UJ	0.0048 U	0.0039 U	0.0049 UJ	0.0046 U	0.0051 UJ	0.0044 U	0.0041 U
n-Butylbenzene	104-51-8	12	100	100	500	1000	12	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
n-Propylbenzene	103-65-1	3.9	100	100	500	1000	3.9	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
o-Chlorotoluene	95-49-8	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
o-Xylene	95-47-6	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
p-Chlorotoluene	106-43-4	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
sec-Butylbenzene	135-98-8	11	100	100	500	1000	11	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
t-Butyl alcohol	75-65-0	NC	NC	NC	NC	NC	NC	0.052 UJ	0.047 UJ	0.048 UJ	0.039 UJ	0.049 UJ	0.046 UJ	0.051 UJ	0.044 UJ	0.041 UJ
Tert-Amyl Methyl Ether	994-05-8	NC	NC	NC	NC	NC	NC	0.0013 U	0.0012 U	0.0012 U	0.00099 U	0.0012 U	0.0012 U	0.0013 U	0.0011 U	0.001 U
Tert-Butyl Ethyl Ether	637-92-3	NC	NC	NC	NC	NC	NC	0.0013 U	0.0012 U	0.0012 U	0.00099 U	0.0012 U	0.0012 U	0.0013 U	0.0011 U	0.001 U
Tert-Butylbenzene	98-06-6	5.9	100	100	500	1000	5.9	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 UJ	0.0022 U	0.002 U
Tetrachloroethene	127-18-4	1.3	5.5	19	150	300	1.3	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
Tetrahydrofuran	109-99-9	NC	NC	NC	NC	NC	NC	0.013 UJ	0.012 UJ	0.012 UJ	0.0099 UJ	0.012 UJ	0.012 UJ	0.013 U	0.011 U	0.01 U
Toluene	108-88-3	0.7	100	100	500	1000	0.7	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	100	500	1000	0.19	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC	0.0013 U	0.0012 U	0.0012 U	0.00099 U	0.0012 U	0.0012 U	0.0051 U	0.0044 U	0.0041 U
trans-1,4-Dichlorobutene	110-57-6	NC	NC	NC	NC	NC	NC	0.0052 UJ	0.0047 UJ	0.0048 UJ	0.0039 U	0.0049 UJ	0.0046 U	0.0051 U	0.0044 U	0.0041 U
Trichloroethene	79-01-6	0.47	10	21	200	400	0.47	0.0026 U	0.0024 U	0.0024 U	0.002 U	0.0024 U	0.0023 U	0.0026 U	0.0022 U	0.002 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC	0.013 U	0.012 U	0.012 U	0.0099 U	0.012 U	0.012 U	0.013 U	0.011 U	0.01 U
Vinyl Chloride	75-01-4	0.02	0.21	0.9	13	27	0.02	0.013 U	0.012 U	0.012 U	0.0099 U	0.012 U	0.012 U	0.013 U	0.011 U	0.01 U

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
NA - Not Analyzed
R- Rejected. The data are unusable. The analyte may or may not be present.
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds CP-51 Supplemental Residential SCO
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-1B
Surface Soil Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-10	SB12-13	SS12-06	SB12-19	SB12-23	SB12-31	SS13-01	SS13-02	SS13-02	SSB-02	SSB-03
							Sample ID:	SS12-05(0-2)	SS12-06(0-2)	SS12-FD01	SS12-07(0-2)	SS12-08(0-2)	SS12-09 (0-2)	SS13-01-1106	SS13-02-1106	FD-01-1106	SSB-02-0-2-121321	SSB-03-0-2-121321
							Start Depth (in bgs):	0	0	0	0	0	0	0	0	0	0	0
							End Depth (in bgs):	2	2	2	2	2	2	2	2	2	2	2
							Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/31/2012	11/6/2013	11/6/2013	11/6/2013	12/13/2021	12/13/2021
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]											
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.05 U	0.056 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	1.9 U	0.91 U	0.46 U	0.048 U	0.054 U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	NA	NA	NA	NA	NA	NA	1.9 U	0.91 U	0.46 U	0.044 U	0.049 U
1,2-Diphenylhydrazine	122-66-7	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.055 U	0.061 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	NA	NA	NA	NA	NA	NA	1.9 U	0.91 U	0.46 U	0.042 U	0.047 U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	NA	NA	NA	NA	NA	NA	1.9 U	0.91 U	0.46 U	0.04 U	0.045 U
1-Methylnaphthalene	90-12-0	NC	NC	NC	NC	NC	NC	0.22 U	0.43 U	0.21 U	0.21 U	0.2 U	0.21 U	0.95 U	0.45 U	0.23 U	0.053 U	0.059 U
2,4,5-Trichlorophenol	95-95-4	NC	100[CP]	NC	NC	NC	0.1[CP]	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.06 U	0.067 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.059 U	0.066 U
2,4-Dichlorophenol	120-83-2	NC	100[CP]	NC	NC	NC	0.4[CP]	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.057 U	0.063 U
2,4-Dimethylphenol	105-67-9	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.1 U	0.12 U
2,4-Dinitrophenol	51-28-5	NC	100[CP]	NC	NC	NC	0.2[CP]	0.84 U	1.7 U	0.82 U	0.8 U	0.79 U	0.8 U	3.7 R	1.8 UJ	0.9 UJ	0.33 U	0.37 U
2,4-Dinitrotoluene	121-14-2	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.075 U	0.084 U
2,6-Dinitrotoluene	606-20-2	NC	1.03[CP]	NC	NC	NC	1[CP]	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.064 U	0.071 U
2-Chloronaphthalene	91-58-7	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.044 U	0.050 U
2-Chlorophenol	95-57-8	NC	100[CP]	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.053 U	0.059 U
2-Methylnaphthalene	91-57-6	NC	0.41[CP]	NC	NC	NC	36.4[CP]	0.22 U	0.43 U	0.21 U	0.21 U	0.2 U	0.21 U	0.95 U	0.45 U	0.23 U	0.061 U	0.068 U
2-Methylphenol	95-48-7	0.33	100	100	500	1000	0.33	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 UJ	0.91 U	0.46 U	0.071 U	0.079 U
2-Nitroaniline	88-74-4	NC	NC	NC	NC	NC	0.4[CP]	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.082 U	0.091 U
2-Nitrophenol	88-75-5	NC	NC	NC	NC	NC	0.3[CP]	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.06 U	0.067 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	NC	NC	NC	NC	0.22 UJ	0.43 UJ	0.21 UJ	0.21 UJ	0.2 UJ	0.21 UJ	0.95 R	0.45 U	0.23 U	0.056 U	0.062 U
3/4-Methyphenol (Total)	MEPH3MEPH4	0.33	34	100	500	1000	0.33	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.062 U	0.069 U
3-Nitroaniline	99-09-2	NC	NC	NC	NC	NC	0.5[CP]	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.065 U	0.073 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.26 U	0.29 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.049 U	0.055 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	NC	NC	NC	NC	0.84 U	1.7 U	0.82 U	0.8 U	0.79 U	0.8 U	3.7 U	1.8 U	0.9 U	0.064 U	0.071 U
4-Chloroaniline	106-47-8	NC	100[CP]	NC	NC	NC	0.22[CP]	0.84 U	1.7 U	0.82 U	0.8 U	0.79 U	0.8 U	3.7 R	1.8 U	0.9 U	0.051 U	0.057 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.055 U	0.061 U
4-Nitroaniline	100-01-6	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.082 U	0.092 U
4-Nitrophenol	100-02-7	NC	NC	NC	NC	NC	0.1[CP]	0.84 U	1.7 U	0.82 U	0.8 U	0.79 U	0.8 U	3.7 R	1.8 U	0.9 U	0.16 U	0.17 U
Acenaphthene	83-32-9	20	100	100	500	1000	98	0.22 U	0.43 U	0.21 U	0.21 U	0.2 U	0.21 U	**1.6**	0.45 U	**0.211 J**	0.06 U	**1.5**
Acenaphthylene	208-96-8	100	100	100	500	1000	107	0.22 U	0.43 U	0.21 U	0.21 U	0.2 U	0.21 U	0.95 U	0.45 U	0.23 U	0.059 U	0.065 U
Acetophenone	98-86-2	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.052 U	0.058 U
Aniline	62-53-3	NC	48[CP]	100[CP]	500[CP]	1000[CP]	0.33[CP]	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 R	0.91 U	0.46 U	0.08 U	0.089 U
Anthracene	120-12-7	100	100	100	500	1000	1000	0.22 U	0.43 U	0.21 U	0.21 U	0.2 U	0.21 U	**9 J**	0.45 U	**0.34**	0.063 U	**8.5**
Benzidine	92-87-5	NC	NC	NC	NC	NC	NC	R	R	NA	R	R	R	3.7 R	1.8 UJ	0.9 UJ	0.18 U	0.20 U
Benzo[a]anthracene	56-55-3	1	1	1	5.6	11	1	0.22 U	**0.43 J**	0.21 U	0.21 U	0.2 U	**0.21 J**	**53 J**	**0.53**	**1.1**	**0.062 J**	**45**
Benzo[a]pyrene	50-32-8	1	1	1	1	1.1	22	0.22 U	**0.43 J**	0.21 U	0.21 U	0.2 U	**0.21 J**	**54 J**	**0.57**	**1**	**0.064 J**	**47**
Benzo[b]fluoranthene	205-99-2	1	1	1	5.6	11	1.7	0.22 U	**0.43 J**	0.21 U	0.21 U	0.2 U	**0.21 J**	**86 J**	**0.83**	**1.3**	**0.094 J**	**70**
Benzo[g,h,i]perylene	191-24-2	100	100	100	500	1000	1000	0.22 U	**0.43 J**	0.21 U	0.21 U	0.2 U	**0.21 J**	**43 J**	**0.5**	**0.61**	0.08 U	**29**
Benzo[k]fluoranthene	207-08-9	0.8	1	3.9	56	110	1.7	0.22 U	0.43 U	0.21 U	0.21 U	0.2 U	0.21 U	**21 J**	0.45 U	**0.5**	0.052 U	**28**
Benzoic Acid	65-85-0	NC	100[CP]	NC	NC	NC	2.7[CP]	1.3 U	2.5 U	1.2 U	1.2 U	1.2 U	1.2 U	5.6 R	2.7 UJ	1.4 UJ	0.46 U	0.51 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.05 U	0.056 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.052 U	0.059 U
Bis(2-chloroisopropyl)ether	39638-32-9	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.087 U	0.097 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	50[CP]	NC	NC	NC	435[CP]	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	**0.13 J**	0.072 U
Butylbenzylphthalate	85-68-7	NC	100[CP]	NC	NC	NC	122[CP]	0.84 U	1.7 U	0.82 U	0.8 U	0.79 U	0.8 U	1.9 U	0.91 U	0.46 U	**0.23 J**	0.068 U
Carbazole	86-74-8	NC	NC	NC	NC	NC	NC	0.22 U	0.43 U	0.21 U	0.21 U	0.2 U	0.21 UJ	**12**	0.45 U	0.23 U	0.063 U	**9.0**
Chrysene	218-01-9	1	1	3.9	56	110	1	0.22 U	**0.43 J**	0.21 U	0.21 U	0.2 U	0.21 J	**72 J**	**0.65**	**1.2**	**0.073 J**	**56**
Dibenzo[a,h]Anthracene	53-70-3	0.33	0.33	0.33	0.56	1.1	1000	0.22 U	0.43 U	0.21 U	0.21 U	0.2 U	0.21 U	**9.1**	0.45 U	**0.36 J**	0.078 U	**8.1**
Dibenzofuran	132-64-9	7	14	59	350	1000	210	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	**1.64 J**	0.91 U	0.46 U	0.057 U	**1.5**
Diethylphthalate	84-66-2	NC	100[CP]	NC	NC	NC	7.1[CP]	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.058 U	0.065 U
Dimethylphthalate	131-11-3	NC	100[CP]	NC	NC	NC	27[CP]	0.84 U	1.7 U	0.82 U	0.8 U	0.79 U	0.8 U	1.9 U	0.91 U	0.46 U	0.056 U	0.062 U
Di-n-butylphthalate	84-74-2	NC	100[CP]	NC	NC	NC	8.1[CP]	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.054 U	0.060 U
Di-n-octylphthalate	117-84-0	NC	100[CP]	NC	NC	NC	120[CP]	0.84 U	1.7 U	0.82 U	0.8 U	0.79 U	0.8 U	3.7 R	1.8 U	0.91 U	0.14 U	0.15 U
Fluoranthene	206-44-0	100	100	100	500	1000	1000	0.22 U	**0.46**	0.21 U	0.21 U	**0.2 J**	**0.21 J**	**150**	**1.4**	**2.6**	**0.14 J**	**130**
Fluorene	86-73-7	30	100	100	500	1000	386	0.22 U	0.43 U	0.21 U	0.21 U	0.2 U	0.21 U	**2.4 J**	0.45 U	**0.241 J**	0.064 U	**2.4**
Hexachlorobenzene	118-74-1	0.33	0.33	1.2	6	12	3.2	NA	NA	NA	NA	NA	NA	1.9 U	0.91 U	0.46 U	0.052 U	0.058 U
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	1.9 U	0.91 U	0.46 U	0.049 U	0.055 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	NC	NC	NC	NC	0.84 U	1.7 U	0.82 U	0.8 U	0.79 U	0.8 U	1.9 R	0.91 U	0.46 U	0.16 U	0.18 U
Hexachloroethane	67-72-1	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 UJ	0.91 U	0.46 U	0.046 U	0.051 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.5	0.5	0.5	5.6	11	8.2	0.22 U	**0.43 J**	0.21 U	0.21 U	0.2 U	**0.21 J**	**48 J**	**0.53**	**0.74**	0.087 U	**35**
Isophorone	78-59-1	NC	100[CP]	NC	NC	NC	4.4[CP]	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.064 U	0.071 U

Table 5-1B
Surface Soil Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-10	SB12-13	SS12-06	SB12-19	SB12-23	SB12-31	SS13-01	SS13-02	SS13-02	SSB-02	SSB-03
							Sample ID:	SS12-05(0-2)	SS12-06(0-2)	SS12-FD01	SS12-07(0-2)	SS12-08(0-2)	SS12-09 (0-2)	SS13-01-1106	SS13-02-1106	FD-01-1106	SSB-02-0-2-121321	SSB-03-0-2-121321
							Start Depth (in bgs):	0	0	0	0	0	0	0	0	0	0	0
							End Depth (in bgs):	2	2	2	2	2	2	2	2	2	2	2
							Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/31/2012	11/6/2013	11/6/2013	11/6/2013	12/13/2021	12/13/2021
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]											
Naphthalene	91-20-3	12	100	100	500	1000	12	NA	NA	NA	NA	NA	NA	**0.473 J**	0.45 U	0.23 U	0.052 U	**0.40**
Nitrobenzene	98-95-3	NC	3.7[CP]	15[CP]	69[CP]	140[CP]	0.17[CP]	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.056 U	0.062 U
N-Nitrosodimethylamine	62-75-9	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.057 U	0.064 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.053 U	0.059 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	NA	0.064 U
Pentachloronitrobenzene	82-68-8	NC	NC	NC	NC	NC	NC	0.43 UJ	0.85 UJ	0.42 UJ	0.41 UJ	0.41 UJ	0.41 UJ	1.9 U	0.91 U	0.46 U	0.064 U	0.072 U
Pentachlorophenol	87-86-5	0.8	2.4	6.7	6.7	55	0.8	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.17 U	0.19 U
Phenanthrene	85-01-8	100	100	100	500	1000	1000	0.22 U	0.43 U	0.21 U	0.21 U	0.2 U	**0.21 J**	**55 J**	**0.51**	**1.5**	0.06 U	**47**
Phenol	108-95-2	0.33	100	100	500	1000	0.33	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 U	0.91 U	0.46 U	0.054 U	0.061 U
Pyrene	129-00-0	100	100	100	500	1000	1000	0.22 U	**0.56 J**	0.21 UJ	0.21 U	**0.2 J**	**0.23**	**91 J**	**0.92**	**2**	**0.11 J**	**92**
Pyridine	110-86-1	NC	NC	NC	NC	NC	NC	0.43 U	0.85 U	0.42 U	0.41 U	0.41 U	0.41 U	1.9 UJ	0.91 U	0.46 U	0.039 U	0.044 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1	R	R	NA	R	R	R	0.13 UJ	0.11 UJ	0.1 UJ	0.0015 U	NA

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
NA - Not Analyzed
R- Rejected. The data are unusable. The analyte may or may not be present.
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-1B
Surface Soil Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SSB-04	SSB-05	SSB-06	SSB-07	SSB-08	SSB-09	SSB-10	SSB-10	SSB-11	SSB-12
							Sample ID:	SSB-04-0-2-121321	SSB-05-0-2-121321	SSB-06-0-2-121421	SSB-07-0-2-121321	SSB-08-0-2-121421	SSB-09-0-2-121421	SSB-10-0-2-121421	X-2-121421	SSB-11-0-2-121421	SSB-12-0-2-121321
							Start Depth (in bgs):	0	0	0	0	0	0	0	0	0	0
							End Depth (in bgs):	2	2	2	2	2	2	2	2	2	2
							Sample Date:	12/13/2021	12/13/2021	12/14/2021	12/13/2021	12/14/2021	12/14/2021	12/14/2021	12/14/2021	12/14/2021	12/13/2021
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]										
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	NC	NC	NC	NC	0.07 U	0.065 U	0.064 U	0.061 U	0.06 U	0.06 U	0.066 U	0.062 U	0.058 U	0.084 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	NC	0.068 U	0.063 U	0.061 U	0.059 U	0.058 U	0.058 U	0.063 U	0.06 U	0.056 U	0.081 U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	0.062 U	0.057 U	0.056 U	0.053 U	0.052 U	0.053 U	0.058 U	0.055 U	0.051 U	0.074 U
1,2-Diphenylhydrazine	122-66-7	NC	NC	NC	NC	NC	NC	0.078 U	0.072 U	0.07 U	0.067 U	0.066 U	0.066 U	0.073 U	0.069 U	0.064 U	0.093 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	0.059 U	0.055 U	0.054 U	0.051 U	0.05 U	0.051 U	0.055 U	0.053 U	0.049 U	0.071 U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	0.056 U	0.052 U	0.051 U	0.049 U	0.048 U	0.048 U	0.053 U	0.05 U	0.046 U	0.067 U
1-Methylnaphthalene	90-12-0	NC	NC	NC	NC	NC	NC	0.075 U	0.069 U	0.068 U	0.065 U	0.064 U	0.064 U	0.07 U	0.066 U	0.061 U	0.089 U
2,4,5-Trichlorophenol	95-95-4	NC	100[CP]	NC	NC	NC	0.1[CP]	0.084 U	0.078 U	0.076 U	0.073 U	0.071 U	0.072 U	0.079 U	0.075 U	0.069 U	0.1 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	NC	NC	NC	NC	0.083 U	0.077 U	0.075 U	0.072 U	0.071 U	0.071 U	0.078 U	0.074 U	0.068 U	0.099 U
2,4-Dichlorophenol	120-83-2	NC	100[CP]	NC	NC	NC	0.4[CP]	0.08 U	0.074 U	0.073 U	0.069 U	0.068 U	0.069 U	0.075 U	0.071 U	0.066 U	0.096 U
2,4-Dimethylphenol	105-67-9	NC	NC	NC	NC	NC	NC	0.15 U	0.14 U	0.13 U	0.13 U	0.13 U	0.13 U	0.14 U	0.13 U	0.12 U	0.18 U
2,4-Dinitrophenol	51-28-5	NC	100[CP]	NC	NC	NC	0.2[CP]	0.47 U	0.43 U	0.42 U	0.4 U	0.4 U	0.4 U	0.44 U	0.41 U	0.38 U	0.56 U
2,4-Dinitrotoluene	121-14-2	NC	NC	NC	NC	NC	NC	0.11 U	0.097 U	0.095 U	0.091 U	0.09 U	0.09 U	0.099 U	0.094 U	0.087 U	0.13 U
2,6-Dinitrotoluene	606-20-2	NC	1.03[CP]	NC	NC	NC	1[CP]	0.09 U	0.083 U	0.081 U	0.078 U	0.076 U	0.077 U	0.084 U	0.08 U	0.074 U	0.11 U
2-Chloronaphthalene	91-58-7	NC	NC	NC	NC	NC	NC	0.063 U	0.058 U	0.057 U	0.054 U	0.053 U	0.054 U	0.059 U	0.056 U	0.051 U	0.075 U
2-Chlorophenol	95-57-8	NC	100[CP]	NC	NC	NC	NC	0.075 U	0.069 U	0.068 U	0.065 U	0.064 U	0.064 U	0.07 U	0.066 U	0.061 U	0.089 U
2-Methylnaphthalene	91-57-6	NC	0.41[CP]	NC	NC	NC	36.4[CP]	0.085 U	0.079 U	0.077 U	0.074 U	0.073 U	0.073 U	0.08 U	0.076 U	0.07 U	0.1 U
2-Methylphenol	95-48-7	0.33	100	100	500	1000	0.33	0.1 U	0.092 U	0.09 U	0.086 U	0.085 U	0.086 U	0.094 U	0.089 U	0.082 U	0.12 U
2-Nitroaniline	88-74-4	NC	NC	NC	NC	NC	0.4[CP]	0.12 U	0.11 U	0.1 U	0.099 U	0.098 U	0.098 U	0.11 U	0.1 U	0.094 U	0.14 U
2-Nitrophenol	88-75-5	NC	NC	NC	NC	NC	0.3[CP]	0.085 U	0.078 U	0.076 U	0.073 U	0.072 U	0.072 U	0.079 U	0.075 U	0.069 U	0.1 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	NC	NC	NC	NC	0.079 U	0.073 U	0.071 U	0.068 U	0.067 U	0.067 U	0.074 U	0.07 U	0.065 U	0.094 U
3/4-Methyphenol (Total)	MEPH3MEPH4	0.33	34	100	500	1000	0.33	0.087 U	0.08 U	0.079 U	0.075 U	0.074 U	0.075 U	0.082 U	0.077 U	0.072 U	0.1 U
3-Nitroaniline	99-09-2	NC	NC	NC	NC	NC	0.5[CP]	0.092 U	0.085 U	0.083 U	0.079 U	0.078 U	0.079 U	0.086 U	0.082 U	0.075 U	0.11 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	NC	NC	NC	NC	0.36 U	0.33 U	0.33 U	0.31 U	0.31 U	0.31 U	0.34 U	0.32 U	0.3 U	0.43 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	NC	NC	NC	NC	0.069 U	0.064 U	0.062 U	0.06 U	0.059 U	0.059 U	0.065 U	0.061 U	0.057 U	0.082 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	NC	NC	NC	NC	0.09 U	0.083 U	0.081 U	0.077 U	0.076 U	0.077 U	0.084 U	0.08 U	0.074 U	0.11 U
4-Chloroaniline	106-47-8	NC	100[CP]	NC	NC	NC	0.22[CP]	0.072 U	0.066 U	0.065 U	0.062 U	0.061 U	0.061 U	0.067 U	0.064 U	0.059 U	0.086 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	NC	NC	NC	NC	0.077 U	0.071 U	0.07 U	0.067 U	0.066 U	0.066 U	0.072 U	0.068 U	0.063 U	0.092 U
4-Nitroaniline	100-01-6	NC	NC	NC	NC	NC	NC	0.12 U	0.11 U	0.1 U	0.1 U	0.099 U	0.099 U	0.11 U	0.1 U	0.095 U	0.14 U
4-Nitrophenol	100-02-7	NC	NC	NC	NC	NC	0.1[CP]	0.22 U	0.2 U	0.2 U	0.19 U	0.19 U	0.19 U	0.21 U	0.19 U	0.18 U	0.26 U
Acenaphthene	83-32-9	20	100	100	500	1000	98	**0.17 J**	0.078 U	0.077 U	0.073 U	0.072 U	0.072 U	0.079 U	0.075 U	0.069 U	0.1 U
Acenaphthylene	208-96-8	100	100	100	500	1000	107	0.083 U	0.076 U	0.075 U	0.071 U	0.07 U	0.071 U	0.077 U	0.073 U	0.068 U	0.099 U
Acetophenone	98-86-2	NC	NC	NC	NC	NC	NC	0.074 U	0.068 U	0.067 U	0.064 U	0.063 U	0.063 U	0.069 U	0.065 U	0.06 U	0.088 U
Aniline	62-53-3	NC	48[CP]	100[CP]	500[CP]	1000[CP]	0.33[CP]	0.11 U	0.1 U	0.1 U	0.097 U	0.096 U	0.096 U	0.11 U	0.1 U	0.092 U	0.13 U
Anthracene	120-12-7	100	100	100	500	1000	1000	**0.89**	0.081 U	0.08 U	0.076 U	0.075 U	0.075 U	0.083 U	0.078 U	0.072 U	0.11 U
Benzidine	92-87-5	NC	NC	NC	NC	NC	NC	0.25 U	0.23 U	0.22 U	0.21 U	0.21 U	0.21 U	0.23 U	0.22 U	0.2 U	0.3 U
Benzo[a]anthracene	56-55-3	1	1	1	5.6	11	1	**4.9**	0.069 U	0.068 U	0.065 U	0.064 U	0.064 U	0.07 U	0.067 U	**0.41**	0.09 U
Benzo[a]pyrene	50-32-8	1	1	1	1	1.1	22	**5.1**	0.076 U	0.075 U	0.072 U	0.07 U	0.071 U	0.078 U	0.074 U	**0.61**	0.099 U
Benzo[b]fluoranthene	205-99-2	1	1	1	5.6	11	1.7	**6.1**	0.075 U	0.074 U	0.07 U	0.069 U	0.07 U	0.076 U	0.072 U	**1.0**	0.097 U
Benzo[g,h,i]perylene	191-24-2	100	100	100	500	1000	1000	**4.0**	0.1 U	0.1 U	0.098 U	0.096 U	0.097 U	0.11 U	0.1 U	**0.50**	0.14 U
Benzo[k]fluoranthene	207-08-9	0.8	1	3.9	56	110	1.7	**3.3**	0.067 U	0.066 U	0.063 U	0.062 U	0.063 U	0.068 U	0.065 U	**0.39**	0.087 U
Benzoic Acid	65-85-0	NC	100[CP]	NC	NC	NC	2.7[CP]	0.64 U	0.59 U	0.58 U	0.56 U	0.55 U	0.55 U	0.6 U	0.57 U	0.53 U	0.77 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	NC	NC	NC	NC	0.07 U	0.065 U	0.064 U	0.061 U	0.06 U	0.06 U	0.066 U	0.062 U	0.058 U	0.084 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	NC	NC	NC	NC	0.074 U	0.068 U	0.067 U	0.064 U	0.063 U	0.063 U	0.069 U	0.066 U	0.061 U	0.088 U
Bis(2-chloroisopropyl)ether	39638-32-9	NC	NC	NC	NC	NC	NC	0.12 U	0.11 U	0.11 U	0.11 U	0.1 U	0.11 U	0.12 U	0.11 U	0.1 U	0.15 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	50[CP]	NC	NC	NC	435[CP]	0.091 U	0.084 U	0.082 U	0.079 U	0.077 U	0.078 U	0.085 U	0.081 U	0.075 U	0.11 U
Butylbenzylphthalate	85-68-7	NC	100[CP]	NC	NC	NC	122[CP]	0.086 U	0.079 U	0.078 U	0.074 U	0.073 U	0.074 U	0.08 U	0.076 U	0.071 U	0.1 U
Carbazole	86-74-8	NC	NC	NC	NC	NC	NC	**0.66**	0.082 U	0.081 U	0.077 U	0.076 U	0.076 U	0.083 U	0.079 U	0.073 U	0.11 U
Chrysene	218-01-9	1	1	3.9	56	110	1	**5.7**	0.072 U	0.071 U	0.067 U	0.066 U	0.067 U	0.073 U	0.069 U	**0.65**	0.093 U
Dibenzo[a,h]Anthracene	53-70-3	0.33	0.33	0.33	0.56	1.1	1000	**0.93**	0.1 U	0.099 U	0.095 U	0.093 U	0.094 U	0.1 U	0.097 U	**0.11 J**	0.13 U
Dibenzofuran	132-64-9	7	14	59	350	1000	210	**0.15 J**	0.074 U	0.072 U	0.069 U	0.068 U	0.068 U	0.075 U	0.071 U	0.065 U	0.095 U
Diethylphthalate	84-66-2	NC	100[CP]	NC	NC	NC	7.1[CP]	0.082 U	0.076 U	0.075 U	0.071 U	0.07 U	0.07 U	0.077 U	0.073 U	0.068 U	0.098 U
Dimethylphthalate	131-11-3	NC	100[CP]	NC	NC	NC	27[CP]	0.079 U	0.073 U	0.071 U	0.068 U	0.067 U	0.067 U	0.074 U	0.07 U	0.065 U	0.094 U
Di-n-butylphthalate	84-74-2	NC	100[CP]	NC	NC	NC	8.1[CP]	0.076 U	0.07 U	0.069 U	0.066 U	0.065 U	0.065 U	0.071 U	0.068 U	0.063 U	0.091 U
Di-n-octylphthalate	117-84-0	NC	100[CP]	NC	NC	NC	120[CP]	0.19 U	0.18 U	0.17 U	0.16 U	0.16 U	0.16 U	0.18 U	0.17 U	0.16 U	0.23 U
Fluoranthene	206-44-0	100	100	100	500	1000	1000	**11 D**	0.079 U	0.078 U	0.074 U	**0.11 J**	0.074 U	0.08 U	0.076 U	**1.1**	0.1 U
Fluorene	86-73-7	30	100	100	500	1000	386	**0.26 J**	0.084 U	0.082 U	0.079 U	0.077 U	0.078 U	0.085 U	0.081 U	0.075 U	0.11 U
Hexachlorobenzene	118-74-1	0.33	0.33	1.2	6	12	3.2	0.073 U	0.068 U	0.066 U	0.063 U	0.062 U	0.063 U	0.069 U	0.065 U	0.06 U	0.087 U
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC	0.069 U	0.064 U	0.062 U	0.06 U	0.059 U	0.059 U	0.065 U	0.061 U	0.057 U	0.082 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	NC	NC	NC	NC	0.23 U	0.21 U	0.2 U	0.19 U	0.19 U	0.19 U	0.21 U	0.2 U	0.19 U	0.27 U
Hexachloroethane	67-72-1	NC	NC	NC	NC	NC	NC	0.064 U	0.059 U	0.058 U	0.055 U	0.055 U	0.055 U	0.06 U	0.057 U	0.053 U	0.077 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.5	0.5	0.5	5.6	11	8.2	**4.5**	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	**0.54**	0.15 U
Isophorone	78-59-1	NC	100[CP]	NC	NC	NC	4.4[CP]	0.09 U	0.083 U	0.082 U	0.078 U	0.077 U	0.077 U	0.084 U	0.08 U	0.074 U	0.11 U

Table 5-1B
Surface Soil Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

Location ID:								SSB-04	SSB-05	SSB-06	SSB-07	SSB-08	SSB-09	SSB-10	SSB-10	SSB-11	SSB-12
Sample ID:								SSB-04-0-2-121321	SSB-05-0-2-121321	SSB-06-0-2-121421	SSB-07-0-2-121321	SSB-08-0-2-121421	SSB-09-0-2-121421	SSB-10-0-2-121421	X-2-121421	SSB-11-0-2-121421	SSB-12-0-2-121321
Start Depth (in bgs):								0	0	0	0	0	0	0	0	0	0
End Depth (in bgs):								2	2	2	2	2	2	2	2	2	2
Sample Date:								12/13/2021	12/13/2021	12/14/2021	12/13/2021	12/14/2021	12/14/2021	12/14/2021	12/14/2021	12/14/2021	12/13/2021
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]										
Naphthalene	91-20-3	12	100	100	500	1000	12	0.074 U	0.068 U	0.067 U	0.064 U	0.063 U	0.063 U	0.069 U	0.066 U	0.061 U	0.088 U
Nitrobenzene	98-95-3	NC	3.7[CP]	15[CP]	69[CP]	140[CP]	0.17[CP]	0.078 U	0.072 U	0.071 U	0.068 U	0.067 U	0.067 U	0.073 U	0.07 U	0.064 U	0.094 U
N-Nitrosodimethylamine	62-75-9	NC	NC	NC	NC	NC	NC	0.081 U	0.074 U	0.073 U	0.07 U	0.069 U	0.069 U	0.076 U	0.072 U	0.066 U	0.096 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	NC	NC	NC	NC	0.074 U	0.069 U	0.067 U	0.064 U	0.063 U	0.064 U	0.07 U	0.066 U	0.061 U	0.089 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachloronitrobenzene	82-68-8	NC	NC	NC	NC	NC	NC	0.091 U	0.084 U	0.082 U	0.078 U	0.077 U	0.078 U	0.085 U	0.081 U	0.075 U	0.11 U
Pentachlorophenol	87-86-5	0.8	2.4	6.7	6.7	55	0.8	0.24 U	0.22 U	0.21 U	0.2 U	0.2 U	0.2 U	0.22 U	0.21 U	0.19 U	0.28 U
Phenanthrene	85-01-8	100	100	100	500	1000	1000	**4.5**	0.079 U	0.077 U	0.074 U	0.072 U	0.073 U	0.08 U	0.076 U	**0.26**	0.1 U
Phenol	108-95-2	0.33	100	100	500	1000	0.33	0.077 U	0.071 U	0.07 U	0.066 U	0.065 U	0.066 U	0.072 U	0.068 U	0.063 U	0.092 U
Pyrene	129-00-0	100	100	100	500	1000	1000	**8.8**	0.079 U	0.078 U	0.074 U	**0.083 J**	0.074 U	0.08 U	0.076 U	**0.90**	0.1 U
Pyridine	110-86-1	NC	NC	NC	NC	NC	NC	0.055 U	0.051 U	0.05 U	0.048 U	0.047 U	0.047 U	0.052 U	0.049 U	0.045 U	0.066 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1	NA	NA	0.0019 U	NA	NA	NA	NA	NA	0.0083 U	NA

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
NA - Not Analyzed
R- Rejected. The data are unusable. The analyte may or may not be present.
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-1C
Surface Soil Analytical Data - Inorganics
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]	Location ID:	SB12-10	SB12-13	SS12-06	SB12-19	SB12-23	SB12-31	SS13-01	SS13-02	SS13-02
								Sample ID:	SS12-05(0-2)	SS12-06(0-2)	SS12-FD01	SS12-07(0-2)	SS12-08(0-2)	SS12-09 (0-2)	SS13-01-1106	SS13-02-1106	FD-01-1106
								Start Depth (in bgs):	0	0	0	0	0	0	0	0	0
								End Depth (in bgs):	2	2	2	2	2	2	2	2	2
								Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/31/2012	11/6/2013	11/6/2013	11/6/2013
Aluminum	7429-90-5	NC	NC	NC	NC	NC	NC		**21000**	**26000**	**17000**	**23000**	**5300**	**11000**	**4000 H**	**13000 H**	**15000 H**
Antimony	7440-36-0	NC	NC	NC	NC	NC	NC		3.2 UJ	3.1 UJ	2.9 UJ	3 UJ	2.8 UJ	2.9 UJ	3.3 UJ	3.2 UJ	3.2 UJ
Arsenic	7440-38-2	13	16	16	16	16	16		3.2 U	3.1 U	2.9 U	3 U	**14**	**2.9 J**	**3.29 J**	**1.31 J**	3.2 U
Barium	7440-39-3	350	350	400	400	10000	820		**140 J**	**180 J**	**180 J**	**200 J**	**22 J**	**60**	**32 J**	**88**	**100**
Beryllium	7440-41-7	7.2	14	72	590	2700	47		0.32 U	0.31 U	0.57 UD	**0.61 UD**	0.28 U	**0.3**	0.33 U	0.32 U	**0.98**
Cadmium	7440-43-9	2.5	2.5	4.3	9.3	60	7.5		**0.41**	**0.46**	**0.29 J**	**0.36**	**0.28 J**	**0.44**	**0.98**	**0.54**	**0.59**
Calcium	7440-70-2	NC	NC	NC	NC	NC	NC		**3400**	**4700**	**5200**	**4100**	**210000 D**	**50000**	**200000 J**	**5300**	**6700**
Chromium	7440-47-3	30	36	180	1500	6800	NC		**26**	**26**	**27**	**29**	**7**	**12**	**12**	**15**	**17**
Cobalt	7440-48-4	NC	30[CP]	NC	NC	NC	NC		**13**	**18**	**13**	**16**	**2.8 J**	**5.4**	**2.62 J**	**6.8**	**7.3**
Copper	7440-50-8	50	270	270	270	10000	1720		**22 J**	**27 J**	**26 J**	**24 J**	**2.8 J**	**13**	**33 J**	**11**	**13**
Iron	7439-89-6	NC	2000[CP]	NC	NC	NC	NC		**34000 D**	**31000 D**	**33000 D**	**36000 D**	**8300**	**15000**	**8700 H**	**17000**	**19000**
Lead	7439-92-1	63	400	400	1000	3900	450		**20**	**14**	**9.8**	**12**	**1.9**	**11**	**110 J**	**25**	**27**
Magnesium	7439-95-4	NC	NC	NC	NC	NC	NC		**5500**	**6100**	**7500**	**6500**	**11000**	**3900**	**5200 H**	**3300**	**3800**
Manganese	7439-96-5	1600	2000	2000	10000	10000	2000		**560 J**	**670 J**	**610 J**	**630 J**	**390 J**	**600 J**	**300 J**	**470 J**	**500 J**
Mercury	7439-97-6	0.18	0.81	0.81	2.8	5.7	0.73		**0.046**	**0.031 J**	**0.031 J**	**0.03 J**	**0.029 J**	**0.058**	**0.037**	**0.048**	**0.049**
Nickel	7440-02-0	30	140	310	310	10000	130		**19**	**21**	**25**	**22**	**4.3**	**8.1**	**8.9**	**11**	**13**
Potassium	7440-09-7	NC	NC	NC	NC	NC	NC		**2900**	**2200**	**3800**	**2700**	**1000**	**1000**	**780**	**1500**	**1800**
Selenium	7782-49-2	3.9	36	180	1500	6800	4		3.2 U	3.1 U	2.9 U	3 U	2.8 U	2.9 U	3.3 U	3.2 U	3.2 U
Silver	7440-22-4	2	36	180	1500	6800	8.3		0.64 U	0.63 U	0.57 U	0.61 U	0.56 U	0.58 U	0.66 U	0.64 U	0.64 U
Sodium	7440-23-5	NC	NC	NC	NC	NC	NC		**130 J**	**130 J**	**350**	**120 J**	**130**	**120 J**	**140**	**115 J**	**116 J**
Thallium	7440-28-0	NC	NC	NC	NC	NC	NC		3.2 U	3.1 U	2.9 U	3 U	2.8 U	2.9 U	3.3 UJ	3.2 UJ	3.2 UJ
Vanadium	7440-62-2	NC	100[CP]	NC	NC	NC	NC		**46**	**43**	**41**	**47**	**9.8**	**19**	**14 J**	**27**	**32**
Zinc	7440-66-6	109	2200	10000	10000	10000	2480		**64 J**	**67 J**	**57 J**	**59 J**	**22 J**	**51**	**200 J**	**55**	**60**
Cyanide (Amenable)	57-12-5	27	27	27	27	10000	40		0.6 U	0.53 U	**0.88**	0.61 U	0.43 U	0.45 U	0.69 U	0.67 U	0.65 U

Notes:
All units in milligrams per kilogram (mg/kg)
D - Sample diluted for analysis
ft bgs - feet below ground surface
H - Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
J - Estimated value
NC - No criteria established
NA - Not Analyzed
U - Not detected at the detection limit shown,
UD - Elevated reporting limit due to high concentration of an interfering analyte.
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds CP-51 Supplemental Residential SCO
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-1D
Surface Soil Analytical Data - Polychlorinated Biphenyls
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-10	SB12-13	SS12-06	SB12-19	SB12-23	SB12-31	SS13-01	SS13-02	SS13-02
							Sample ID:	SS12-05(0-2)	SS12-06(0-2)	SS12-FD01	SS12-07(0-2)	SS12-08(0-2)	SS12-09 (0-2)	SS13-01-1106	FD-01-1106	SS13-02-1106
							Start Depth (in bgs):	0	0	0	0	0	0	0	0	0
							End Depth (in bgs):	2	2	2	2	2	2	2	2	2
							Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/31/2012	11/6/2013	11/6/2013	11/6/2013
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]									
Aroclor 1268	11100-14-4	0.1	1	1	1	25	3.2	0.025 U	0.025 U	0.025 U	0.024 U	0.023 U	0.024 U	0.028 UJ	0.026 UJ	0.027 UJ
Aroclor-1016	12674-11-2	0.1	1	1	1	25	3.2	0.025 U	0.025 U	0.025 U	0.024 U	0.023 U	0.024 U	0.028 U	0.026 U	0.027 U
Aroclor-1221	11104-28-2	0.1	1	1	1	25	3.2	0.025 U	0.025 U	0.025 U	0.024 U	0.023 U	0.024 U	0.028 UJ	0.026 UJ	0.027 UJ
Aroclor-1232	11141-16-5	0.1	1	1	1	25	3.2	0.025 U	0.025 U	0.025 U	0.024 U	0.023 U	0.024 U	0.028 UJ	0.026 UJ	0.027 UJ
Aroclor-1242	53469-21-9	0.1	1	1	1	25	3.2	0.025 U	0.025 U	0.025 U	0.024 U	0.023 U	0.024 U	0.028 UJ	0.026 UJ	0.027 UJ
Aroclor-1248	12672-29-6	0.1	1	1	1	25	3.2	0.025 U	0.025 U	0.025 U	0.024 U	0.023 U	0.024 U	0.028 UJ	0.026 UJ	0.027 UJ
Aroclor-1254	11097-69-1	0.1	1	1	1	25	3.2	0.025 U	0.025 U	0.025 U	0.024 U	0.023 U	0.024 U	0.028 UJ	0.026 UJ	0.027 UJ
Aroclor-1260	11096-82-5	0.1	1	1	1	25	3.2	0.025 U	0.025 U	0.025 U	0.024 U	0.023 U	0.024 U	0.028 U	0.026 U	0.027 U
Aroclor-1262	37324-23-5	0.1	1	1	1	25	3.2	0.025 U	0.025 U	0.025 U	0.024 U	0.023 U	0.024 U	0.028 UJ	0.026 UJ	0.027 UJ
Total PCBs	NA	0.1	1	1	1	25	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
All units in milligrams per kilogram (mg/kg)
Notes:
All units in milligrams per kilogram (mg/kg)
Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
ND - Non Detect
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-1E
Surface Soil Analytical Data - Pesticides
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-10	SB12-13	SS12-06	SB12-19	SB12-23	SB12-31	SS13-01	SS13-02	SS13-02
							Sample ID:	SS12-05(0-2)	SS12-06(0-2)	SS12-FD01	SS12-07(0-2)	SS12-08(0-2)	SS12-09 (0-2)	SS13-01-1106	SS13-02-1106	FD-01-1106
							Start Depth (in bgs):	0	0	0	0	0	0	0	0	0
							End Depth (in bgs):	2	2	2	2	2	2	2	2	2
							Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/31/2012	11/6/2013	11/6/2013	11/6/2013
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]									
4-4-DDD	72-54-8	0.0033	2.6	13	92	180	14	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.14 U	0.0014 U	0.0013 U
4-4-DDE	72-55-9	0.0033	1.8	8.9	62	120	17	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.14 U	**0.00063 J**	**0.00066 J**
4-4-DDT	50-29-3	0.0033	1.7	7.9	47	94	136	0.0017 NJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	**0.0015 J**	**0.134 J**	**0.00138 J**	**0.00184 J**
a-BHC	319-84-6	0.02	0.097	0.48	3.4	6.8	0.02	0.0063 U	0.0062 U	0.0062 U	0.0061 U	0.0058 U	0.006 U	0.7 U	0.0068 U	**0.00093 J**
Alachlor	15972-60-8	NC	NC	NC	NC	NC	NC	0.025 U	0.025 U	0.025 U	0.024 U	0.023 U	0.024 U	2.8 U	0.027 U	0.026 U
Aldrin	309-00-2	0.005	0.019	0.097	0.68	1.4	0.19	0.0025 U	0.0025 U	0.0025 U	0.0024 U	0.0023 U	0.0024 U	0.28 U	0.0027 U	0.0026 U
b-BHC	319-85-7	0.036	0.072	0.36	3	14	0.09	0.0063 U	0.0062 U	0.0062 U	0.0061 U	0.0058 U	0.006 U	0.7 U	**0.00457 J**	**0.00504 J**
Chlordane	57-74-9	NC	NC	NC	NC	NC	NC	0.025 U	0.025 U	0.025 U	0.024 U	0.023 U	0.024 U	2.8 U	0.027 U	0.026 U
d-BHC	319-86-8	0.04	100	100	500	1000	0.25	0.0063 U	0.0062 U	0.0062 U	0.0061 U	0.0058 U	0.006 U	0.7 U	0.0068 U	**0.00107 J**
Dieldrin	60-57-1	0.005	0.039	0.2	1.4	2.8	0.1	0.0025 U	0.0025 U	0.0025 U	0.0024 U	0.0023 U	0.0024 U	0.28 U	0.0027 U	0.0026 U
Endosulfan I	959-98-8	2.4	4.8	24	200	920	102	0.0063 U	0.0062 U	0.0062 U	0.0061 U	0.0058 U	0.006 U	0.7 U	**0.00059 J**	**0.0007 J**
Endosulfan II	33213-65-9	2.4	4.8	24	200	920	102	0.01 U	0.0099 U	0.01 U	0.0097 U	0.0093 U	0.0097 U	1.1 U	**0.00055 J**	**0.00046 J**
Endosulfan Sulfate	1031-07-8	2.4	4.8	24	200	920	1000	0.01 U	0.0099 U	0.01 U	0.0097 U	0.0093 U	0.0097 U	1.1 U	0.011 U	0.011 U
Endrin	72-20-8	0.014	2.2	11	89	410	0.06	0.01 UJ	0.0099 UJ	0.01 UJ	0.0097 UJ	0.0093 UJ	0.0097 UJ	1.1 U	0.011 U	0.011 U
Endrin Aldehyde	7421-93-4	NC	NC	NC	NC	NC	NC	0.01 U	0.0099 U	0.01 U	0.0097 U	0.0093 U	0.0097 U	1.1 U	**0.00276 J**	**0.00322 J**
Endrin Ketone	53494-70-5	NC	NC	NC	NC	NC	NC	0.01 U	0.0099 U	0.01 U	0.0097 U	0.0093 U	0.0097 U	1.1 U	**0.00703 J**	**0.00576 J**
Heptachlor	76-44-8	0.042	0.42	2.1	15	29	0.38	0.0063 U	0.0062 U	0.0062 U	0.0061 U	0.0058 U	0.006 U	0.7 U	0.0068 U	0.0066 U
Heptachlor Epoxide	1024-57-3	NC	0.77[CP]	NC	NC	NC	0.02[CP]	0.0063 U	0.0062 U	0.0062 U	0.0061 U	0.0058 U	0.006 U	0.7 U	0.0068 U	0.0066 U
Hexachlorobenzene	118-74-1	0.33	0.33	1.2	6	12	3.2	0.0076 U	0.0074 U	0.0075 U	0.0073 U	0.007 U	0.0072 U	0.85 U	0.0081 U	0.0079 U
Lindane	58-89-9	0.1	0.28	1.3	9.2	23	0.1	0.0025 U	0.0025 U	0.0025 U	0.0024 U	0.0023 U	0.0024 U	0.28 U	0.0027 U	0.0026 U
Methoxychlor	72-43-5	NC	100[CP]	NC	NC	NC	900[CP]	0.063 U	0.062 U	0.062 U	0.061 U	0.058 U	0.06 U	7 U	0.068 U	**0.00332 J**
Toxaphene	8001-35-2	NC	NC	NC	NC	NC	NC	0.13 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	14 UJ	0.14 U	0.13 U

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
NC - No criteria established
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
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[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-1F
Suface Soil Analytical Data - Per and Polyfluoroalkyl Substances
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SSB-02	SSB-06	SSB-11
							Sample ID:	SSB-02-0-2-121321	SSB-06-0-2-121421	SSB-11-0-2-121421
							Start Depth (in bgs):	0	0	0
							End Depth (in bgs):	2	2	2
							Sample Date:	12/13/2021	12/14/2021	12/14/2021
Chemical Name	CAS No.	CP-51 Unrestricted[1]	CP-51 Residential[1]	CP-51 Restricted-Residential[1]	CP-51 Commercial[1]	CP-51 Industrial[1]	CP-51 GW Protection[1]			
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	NC	NC	NC	NC	NC	NC	0.00012 U	0.00014 U	0.00016 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	NC	NC	NC	NC	NC	NC	0.00011 U	0.00013 U	0.00015 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	NC	NC	NC	NC	NC	NC	0.000095 U	0.00012 U	0.00013 U
Perfluoro(2-methyl-3-oxahexanoic) acid	13252-13-6	NC	NC	NC	NC	NC	NC	0.0002 U	0.00025 U	0.00028 U
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid	756426-58-1	NC	NC	NC	NC	NC	NC	0.0001 U	0.00013 U	0.00015 U
4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	NC	NC	NC	NC	NC	NC	0.00013 U	0.00017 U	0.00018 U
2-(N-Ethylperfluorooctanesulfonamido)acetic acid (NEtFOSAA)	D5-NETFOSAA	NC	NC	NC	NC	NC	NC	0.00012 U	0.00015 U	0.00016 U
2-(N-methylperfluorooctanesulfonamido)acetic acid (NMeFOSAA)	D3-NMEFOSAA	NC	NC	NC	NC	NC	NC	0.000076 U	0.000094 U	0.00011 U
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NC	NC	NC	NC	NC	NC	0.000065 U	0.00008 U	0.00009 U
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NC	NC	NC	NC	NC	NC	0.000069 U	0.000085 U	0.000095 U
Perfluoro-1-butanesulfonamide (FBSA)	30334-69-1	NC	NC	NC	NC	NC	NC	0.00013 U	0.00016 U	0.00018 U
Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	NC	NC	NC	NC	NC	NC	0.00013 U	0.00016 U	0.00017 U
Perfluoro-3-methoxypropanoic acid	377-73-1	NC	NC	NC	NC	NC	NC	0.000079 U	0.000098 U	0.00011 U
Perfluoro-4-methoxybutanoic acid	863090-89-5	NC	NC	NC	NC	NC	NC	0.000077 U	0.000095 U	0.00011 U
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NC	NC	NC	NC	NC	NC	0.000064 U	0.000079 U	0.000089 U
Perfluorobutanoic acid (PFBA)	375-22-4	NC	NC	NC	NC	NC	NC	0.000056 U	0.000069 U	0.000077 U
Perfluorodecanesulfonic acid (PFDS)	335-77-3	NC	NC	NC	NC	NC	NC	0.000097 U	0.00012 U	0.00013 U
Perfluorodecanoic acid (PFDA)	335-76-2	NC	NC	NC	NC	NC	NC	0.000054 U	0.000067 U	0.000074 U
Perfluorododecanoic acid (PFDoA)	307-55-1	NC	NC	NC	NC	NC	NC	0.000064 U	0.000079 U	0.000089 U
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NC	NC	NC	NC	NC	NC	0.00013 U	0.00016 U	0.00017 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NC	NC	NC	NC	NC	NC	0.00006 U	0.000075 U	0.000083 U
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NC	NC	NC	NC	NC	NC	0.000067 U	0.000083 U	0.000092 U
Perfluorohexanoic acid (PFHxA)	307-24-4	NC	NC	NC	NC	NC	NC	0.000078 U	0.000097 U	0.00011 U
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NC	NC	NC	NC	NC	NC	0.00011 U	0.00014 U	0.00016 U
Perfluorononanoic acid (PFNA)	375-95-1	NC	NC	NC	NC	NC	NC	0.000069 U	0.000085 U	0.000095 U
Perfluorooctane sulfonamide (FOSA)	754-91-6	NC	NC	NC	NC	NC	NC	0.000081 U	0.0001 U	0.00011 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.00088	0.0088	0.044	0.44	0.44	0.001	0.000056 U	0.00007 U	**0.00032 J**
Perfluorooctanoic acid (PFOA)	335-67-1	0.00066	0.0066	0.033	0.5	0.6	0.0008	0.00012 U	0.00015 U	0.00016 U
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NC	NC	NC	NC	NC	NC	0.000061 U	0.000076 U	0.000085 U
Perfluoropentanoic acid (PFPeA)	2706-90-3	NC	NC	NC	NC	NC	NC	0.000064 U	0.000079 U	0.000089 U
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	NC	NC	NC	NC	NC	NC	0.00008 U	0.000099 U	0.00011 U
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	NC	NC	NC	NC	NC	NC	0.000094 U	0.00012 U	0.00013 U
Perfluoroundecanoic acid (PFUnA)	2058-94-8	NC	NC	NC	NC	NC	NC	0.000076 U	0.000094 U	0.00011 U
4:2 Fluorotelomer sulfonic acid	757124-72-4	NC	NC	NC	NC	NC	NC	0.000077 U	0.000095 U	0.00011 U

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
NC - No criteria established
U - Not detected at the detection limit shown,

	Exceeds NYS CP-51 Unrestricted SCOs
	Exceeds NYS CP-51 Unrestricted and Residential SCOs
	Exceeds NYS CP-51 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS CP-51 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS CP-51 Unrestricted and GW Protection SCOs
	Exceeds NYS CP-51 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS CP-51 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS CP-51 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS CP-51 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS CP-51 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS CP-51 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1]= CP-51, Soil Guidance Values for Per and Polyfluoralkyl Substances (PFAS), October 21, 2010 with updates.

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Table 5-2
Summary Statistics for Constituents Detected in Near-Surface Soil
Former Bomax Manufacturing
Site No. 623009
Town of Watertown, New York

Detected Constituent	CAS Number	Detected Concentration Range	Geomean Detected Concentration	Frequency of Detections	Frequency of Detections Above Part 375 Unrestricted SCOs	Frequency of Detections Above Part 375 Residential SCOs	Frequency of Detections Above Part 375 Restricted-Residential SCOs	Frequency of Detections Above Part 375 Commercial SCOs	Frequency of Detections Above Part 375 Industrial SCOs	Frequency of Detections Above Part 375 Protection of GW SCOs
VOCs (mg/kg)										
1,1,1-Trichloroethane	71-55-6	ND - 0.0069	0.0069	1 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
1,2,4-Trimethylbenzene	95-63-6	ND - 0.0077 J	0.0077 J	1 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
4-Isopropyltoluene	99-87-6	ND - 0.00047 J	0.00047 J	1 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Acetone	67-64-1	0.031 J - 0.44 J	0.078	9 / 19	4 / 19	0 / 19	0 / 19	0 / 19	0 / 19	4 / 19
Ethyl ether	60-29-7	ND - 0.023 J	0.023 J	1 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Methyl Acetate	79-20-9	ND - 0.29 J	0.29 J	1 / 12	0 / 12	0 / 12	0 / 12	0 / 12	0 / 12	0 / 12
Methylene Chloride	75-09-2	ND - 0.028 J	0.028 J	1 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Tetrachloroethene	127-18-4	ND - 0.0023 J	0.0023 J	1 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Toluene	108-88-3	ND - 0.0072 J	0.0072 J	1 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
SVOCs (mg/kg)										
1-Methylnaphthalene	90-12-0	ND - 0.081 J	0.081 J	1 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
2-Methylnaphthalene	91-57-6	ND - 0.11 J	0.11 J	1 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Acenaphthene	83-32-9	ND - 0.081 J	0.081 J	1 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Anthracene	120-12-7	0.30 - 0.48	0.38	2 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Benzo[a]anthracene	56-55-3	0.16 J - 1.9	0.36	8 / 19	1 / 19	1 / 19	1 / 19	0 / 19	0 / 19	1 / 19
Benzo[a]pyrene	50-32-8	0.18 J - 2	0.40	8 / 19	1 / 19	1 / 19	1 / 19	1 / 19	1 / 19	0 / 19
Benzo[b]fluoranthene	205-99-2	0.21 J - 2.8	0.54	8 / 19	2 / 19	2 / 19	2 / 19	0 / 19	0 / 19	1 / 19
Benzo[g,h,i]perylene	191-24-2	0.12 J - 1.4	0.31	8 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Benzo[k]fluoranthene	207-08-9	0.11 J - 1.2	0.27	7 / 19	1 / 19	1 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Benzoic Acid	65-85-0	ND - 1.3 J	1.3 J	1 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Carbazole	86-74-8	0.17 J - 0.25	0.21	2 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Chrysene	218-01-9	0.18 J - 2.1	0.43	8 / 19	1 / 19	1 / 19	0 / 19	0 / 19	0 / 19	1 / 19
Dibenzo[a,h]Anthracene	53-70-3	0.13 J - 0.31	0.20	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Dibenzofuran	132-64-9	ND - 0.14 J	0.14 J	1 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Fluoranthene	206-44-0	0.21 J - 4.9	0.85	7 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Fluorene	86-73-7	ND - 0.14 J	0.14 J	2 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Indeno[1,2,3-cd]pyrene	193-39-5	0.14 J - 1.7	0.37	7 / 19	2 / 19	2 / 19	2 / 19	0 / 19	0 / 19	0 / 19
Naphthalene	91-20-3	ND - 0.18 J	0.18 J	1 / 12	0 / 12	0 / 12	0 / 12	0 / 12	0 / 12	0 / 12
Phenanthrene	85-01-8	0.11 J - 2.2	0.38	7 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Pyrene	129-00-0	0.21 J - 3.9	0.69	8 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19	0 / 19
Inorganics (mg/kg)										
Aluminum	7429-90-5	4800 - 20000	12,873	13 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Antimony	7440-36-0	ND - 0.97 J	0.97 J	1 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Arsenic	7440-38-2	3 J - 7.5	4.6	4 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Barium	7440-39-3	29 - 220	103.0	13 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Beryllium	7440-41-7	0.24 - 0.81	0.46	8 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Cadmium	7440-43-9	0.27 J - 0.44	0.34	9 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Calcium	7440-70-2	2100 - 220000	14,884	13 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Chromium	7440-47-3	6 - 28	16.6	13 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Cobalt	7440-48-4	1.8 - 16	6.8	13 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Copper	7440-50-8	2.2 - 24	12.4	13 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Cyanide	57-12-5	ND - 0..59 J	0.59 J	1 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Iron	7439-89-6	5600 - 30000	17,676	13 / 13	0 / 13	13 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Lead	7439-92-1	5.1 - 31	12.5	13 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Magnesium	7439-95-4	3200 - 7800	4,639	13 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Manganese	7439-96-5	290 - 1200 J	500.0	13 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Mercury	7439-97-6	0.018 J - 0.19	0.041	13 / 13	1 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Nickel	7440-02-0	3.9 - 25	11.4	13 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Potassium	7440-09-7	710 - 3000	1,513	13 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Sodium	7440-23-5	81 J - 390	148	12 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Thallium	7440-28-0	ND - 1.6 J	1.6 J	1 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Vanadium	7440-62-2	8.6 - 45	27	13 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Zinc	7440-66-6	35 J - 77 J	52.8	13 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13	0 / 13
Per- and Polyfluoroalkyl Substances (mg/kg)										
Perfluorobutanoic acid (PFBA)	375-22-4	0.00025 J - 0.00027 J	0.00026 J	2 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.000083 J - 0.00011 J	0.00001	2 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3
Perfluorononanoic acid (PFNA)	375-95-1	ND - 0.00015 J	0.00015 J	1 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.000094 J - 0.00035 J	0.0002	3 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3
Perfluorooctanoic acid (PFOA)	335-67-1	0.00028 J - 0.00039 J	0.0003	2 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3
Perfluoropentanoic acid (PFPeA)	2706-90-3	0.000076 J - 0.000085 J	0.00008 J	2 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3	0 / 3

Notes: ug/Kg - micrograms per kilogram
ug/L - micrograms per liter
J - estimated concentration
ND - Not Detected

RAMBOLL

Table 5-2A
Near-Surface Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-01	SB12-02	SB12-04	SB12-05	SB12-20	SB12-21	SB12-43	SSB-01	SSB-02	SSB-03	SSB-04
							Sample ID:	SS12-01(0-4)	SS12-02(0-4)	SS12-03(0-4)	SS12-04(0-0.5)	SB12-20(0-2)	SB12-21 (0-1)	SB12-43 (1-2)	SSB-01-2-12-121421	SSB-02-2-12-121321	SSB-03-2-12-121321	SSB-04-2-12-121321
							Start Depth (in bgs):	0	0	0	0	0	0	12	2	2	2	2
							End Depth (in bgs):	4	4	4	6	24	12	24	12	12	12	12
							Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	11/9/2012	12/14/2021	12/13/2021	12/13/2021	12/13/2021
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]											
1,1,1,2-Tetrachloroethane	630-20-6	NC	NC	NC	NC	NC	NC	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00035 U	0.00029 U	0.0067 U	0.00039 U
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1000	0.68	0.0022 U	0.0027 U	0.002 U	0.0025 U	**0.0069**	0.0025 U	0.0028 U	0.00044 U	0.00036 U	0.0081 U	0.00049 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	35[CP]	NC	NC	NC	0.6[CP]	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.00035 U	0.00029 U	0.0043 U	0.00039 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.0003 U	0.00025 U	0.0072 U	0.00033 U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.27	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00032 U	0.00027 U	0.0077 U	0.00036 U
1,1-Dichloroethene	75-35-4	0.33	100	100	500	1000	0.33	0.0044 U	0.0053 U	0.004 U	0.0051 U	0.0046 U	0.005 U	0.0055 U	0.0008 U	0.00066 U	0.0077 U	0.00089 U
1,1-Dichloropropene	563-58-6	NC	NC	NC	NC	NC	NC	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.0005 U	0.00042 U	0.012 U	0.00056 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	NC	NC	NC	NC	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00035 U	0.00029 U	0.0067 U	0.00039 U
1,2,3-Trichloropropane	96-18-4	NC	80[CP]	NC	NC	NC	0.34[CP]	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00062 U	0.00051 U	0.015 U	0.00068 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	3.4[CP]	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00031 U	0.00026 U	0.0077 U	0.00035 U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	380	3.6	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00042 U	0.00034 U	**0.0077 J**	0.00046 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC	0.0022 U	0.0027 UJ	0.002 UJ	0.0025 UJ	0.0023 UJ	0.0025 UJ	0.0028 U	0.00043 U	0.00036 U	0.034 U	0.00048 U
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0004 U	0.00033 U	0.0072 U	0.00044 U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00026 U	0.00021 U	0.0048 U	0.00028 U
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.02	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00039 U	0.00033 U	0.015 U	0.00044 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.0003 U	0.00025 U	0.0086 U	0.00034 U
1,3,5- Trichlorobenzene	108-70-3	NC	NC	NC	NC	NC	NC	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00031 U	0.00026 U	0.0086 U	0.00035 U
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	380	8.4	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00028 U	0.00023 U	0.0048 U	0.00031 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00027 U	0.00023 U	0.0043 U	0.0003 U
1,3-Dichloropropane	142-28-9	NC	NC	NC	NC	NC	0.3[CP]	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.00031 U	0.00026 U	0.0057 U	0.00034 U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00033 U	0.00027 U	0.0053 U	0.00037 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1	R	NA	NA	NA	R	R	R	0.014 U	0.012 U	1 U	0.016 U
2,2-Dichloropropane	594-20-7	NC	NC	NC	NC	NC	NC	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00049 U	0.00041 U	0.015 U	0.00055 U
2-Butanone	78-93-3	0.12	100	100	500	1000	0.12	0.044 UJ	0.053 UJ	0.04 UJ	0.051 UJ	0.046 UJ	0.05 UJ	0.055 UJ	0.0078 U	0.0064 U	0.09 U	0.0086 U
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC	0.022 U	0.027 U	0.02 U	0.025 U	0.023 U	0.025 U	0.028 U	0.0037 U	0.0031 U	0.066 U	0.0041 U
4-Isopropyltoluene	99-87-6	NC	NC	NC	NC	NC	10[CP]	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.0003 U	0.00024 U	0.0043 U	0.00033 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	NC	NC	1[CP]	0.022 U	0.027 U	0.02 U	0.025 U	0.023 U	0.025 U	0.028 U	0.0028 U	0.0023 U	0.077 U	0.0031 U
Acetone	67-64-1	0.05	100	100	500	1000	0.05	0.11 UJ	0.13 UJ	0.1 UJ	0.13 UJ	**0.12 J**	0.12 UJ	**0.44 J**	**0.039 J**	0.017 U	0.11 U	**0.031 J**
Acrylonitrile	107-13-1	NC	NC	NC	NC	NC	NC	0.0066 U	0.008 UJ	0.006 UJ	0.0076 UJ	0.007 UJ	0.0075 UJ	0.0083 U	0.00063 U	0.00052 U	0.033 U	0.00069 U
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.06	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.0003 U	0.00025 U	0.0062 U	0.00034 U
Bromobenzene	108-86-1	NC	NC	NC	NC	NC	NC	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00022 U	0.00018 U	0.0062 U	0.00024 U
Bromochloromethane	74-97-5	NC	NC	NC	NC	NC	NC	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00061 U	0.00051 U	0.017 U	0.00068 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00031 U	0.00025 U	0.0067 U	0.00034 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC	0.0022 UJ	0.0027 UJ	0.002 UJ	0.0025 UJ	0.0023 UJ	0.0025 UJ	0.0028 U	0.00039 U	0.00032 U	0.014 U	0.00043 U
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC	0.011 U	0.013 U	0.01 U	0.013 U	0.012 U	0.012 U	0.014 U	0.0024 U	0.002 U	0.051 U	0.0026 U
Carbon disulfide	75-15-0	NC	100[CP]	NC	NC	NC	2.7[CP]	0.044 U	0.008 U	0.006 U	0.0076 U	0.007 U	0.0075 U	0.0083 U	0.0046 U	0.0038 U	0.073 U	0.0051 U
Carbon Tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.76	0.0022 U	0.0027 UJ	0.002 UJ	0.0025 UJ	0.0023 UJ	0.0025 UJ	0.0028 U	0.0005 U	0.00041 U	0.0081 U	0.00055 U
Chlorobenzene	108-90-7	1.1	100	100	500	1000	1.1	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00034 U	0.00028 U	0.0038 U	0.00038 U
Chloroethane	75-00-3	NC	NC	NC	NC	NC	1.9[CP]	0.022 U	0.027 U	0.02 U	0.025 U	0.023 U	0.025 U	0.028 U	0.0023 U	0.0019 U	0.018 U	0.0025 U
Chloroform	67-66-3	0.37	10	49	350	700	0.37	0.0044 U	0.0053 U	0.004 U	0.0051 U	0.0046 U	0.005 U	0.0055 U	0.00064 U	0.00053 U	0.0091 U	0.00071 U
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC	0.011 UJ	0.013 U	0.01 U	0.013 U	0.012 U	0.012 U	0.014 U	0.0021 U	0.0017 U	0.018 U	0.0023 U
cis-1,2-Dichloroethene	156-59-2	0.25	59	100	500	1000	0.25	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00034 U	0.00028 U	0.0072 U	0.00038 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.00025 U	0.00021 U	0.0057 U	0.00028 U
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC	0.0011 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0014 U	0.00033 U	0.00027 U	0.0077 U	0.00037 U
Dibromomethane	74-95-3	NC	NC	NC	NC	NC	NC	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00047 U	0.00039 U	0.014 U	0.00052 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC	0.022 UJ	0.027 U	0.02 U	0.025 U	0.023 U	0.025 U	0.028 U	0.00074 U	0.00061 U	0.0096 U	0.00082 U
Diisopropyl Ether	108-20-3	NC	NC	NC	NC	NC	NC	0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.00034 U	0.00028 U	0.0072 U	0.00038 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	100[CP]	NC	NC	NC	6[CP]	0.011 U	0.013 U	0.01 U	0.013 U	0.012 U	0.012 U	0.014 U	0.0017 U	0.0014 U	0.011 U	0.0019 U
Ethyl ether	60-29-7	NC	NC	NC	NC	NC	NC	0.022 U	0.027 U	0.02 U	0.025 U	**0.023 J**	0.025 U	0.028 U	0.0014 U	0.0012 U	0.011 U	0.0016 U
Ethylbenzene	100-41-4	1	30	41	390	780	1	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00029 U	0.00024 U	0.0043 U	0.00032 U
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00046 U	0.00038 U	0.02 U	0.00051 U
Isopropylbenzene	98-82-8	NC	100[CP]	NC	NC	NC	2.3[CP]	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00046 U	0.00038 U	0.0048 U	0.00051 U
m,p-Xylene	179601-23-1	NC	NC	NC	NC	NC	NC	0.0044 U	0.0053 U	0.004 U	0.0051 U	0.0046 U	0.005 U	0.0055 U	0.00049 U	0.0004 U	**0.012 J**	0.00054 U
Methylene Chloride	75-09-2	0.05	51	100	500	1000	0.05	0.022 U	0.027 U	0.02 U	0.025 U	0.023 U	0.025 U	**0.028 J**	0.00036 U	0.0003 U	0.014 U	0.0004 U
MTBE	1634-04-4	0.93	62	100	500	1000	0.93	0.0044 U	0.0053 U	0.004 U	0.0051 U	0.0046 U	0.005 U	0.0055 U	0.00024 U	0.0002 U	0.0081 U	0.00027 U
Naphthalene	91-20-3	12	100	100	500	1000	12	0.0044 UJ	0.0053 UJ	0.004 UJ	0.0051 UJ	0.0046 UJ	0.005 UJ	0.0055 U	0.00033 U	0.00027 U	**0.017 J**	0.00037 U
n-Butylbenzene	104-51-8	12	100	100	500	1000	12	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00033 U	0.00027 U	0.0067 U	0.00037 U
n-Propylbenzene	103-65-1	3.9	100	100	500	1000	3.9	0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00025 U	0.00021 U	0.0038 U	0.00028 U

Table 5-2A
Near-Surface Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

								Location ID:	SB12-01	SB12-02	SB12-04	SB12-05	SB12-20	SB12-21	SB12-43	SSB-01	SSB-02	SSB-03	SSB-04
								Sample ID:	SS12-01(0-4)	SS12-02(0-4)	SS12-03(0-4)	SS12-04(0-0.5)	SB12-20(0-2)	SB12-21 (0-1)	SB12-43 (1-2)	SSB-01-2-12-121421	SSB-02-2-12-121321	SSB-03-2-12-121321	SSB-04-2-12-121321
								Start Depth (in bgs):	0	0	0	0	0	0	12	2	2	2	2
								End Depth (in bgs):	4	4	4	6	24	12	24	12	12	12	12
								Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	11/9/2012	12/14/2021	12/13/2021	12/13/2021	12/13/2021
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]											
o-Chlorotoluene	95-49-8	NC	NC	NC	NC	NC	NC		0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00029 U	0.00024 U	0.0043 U	0.00032 U
o-Xylene	95-47-6	NC	NC	NC	NC	NC	NC		0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00026 U	0.00022 U	0.0043 U	0.00029 U
p-Chlorotoluene	106-43-4	NC	NC	NC	NC	NC	NC		0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00023 U	0.00019 U	0.0048 U	0.00025 U
sec-Butylbenzene	135-98-8	11	100	100	500	1000	11		0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00062 U	0.00052 U	0.0048 U	0.00069 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC		0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00027 U	0.00023 U	0.0038 U	0.0003 U
t-Butyl alcohol	75-65-0	NC	NC	NC	NC	NC	NC		0.044 UJ	0.053 UJ	0.04 UJ	0.051 UJ	0.046 UJ	0.05 UJ	0.055 UJ	0.031 U	0.026 U	0.26 U	0.035 U
Tert-Amyl Methyl Ether	994-05-8	NC	NC	NC	NC	NC	NC		0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.00029 U	0.00024 U	0.0072 U	0.00032 U
Tert-Butyl Ethyl Ether	637-92-3	NC	NC	NC	NC	NC	NC		0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0028 UJ	0.00033 U	0.00027 U	0.0053 U	0.00037 U
Tert-Butylbenzene	98-06-6	5.9	100	100	500	1000	5.9		0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00054 U	0.00045 U	0.0043 U	0.0006 U
Tetrachloroethene	127-18-4	1.3	5.5	19	150	300	1.3		0.0022 U	0.0027 U	0.002 U	0.0025 U	**0.0023 J**	0.0025 U	0.0028 U	0.00035 U	0.00029 U	0.0096 U	0.00039 U
Tetrahydrofuran	109-99-9	NC	NC	NC	NC	NC	NC		0.011 UJ	0.013 UJ	0.01 UJ	0.013 UJ	0.012 UJ	0.012 UJ	0.014 UJ	0.0016 U	0.0014 U	0.028 U	0.0018 U
Toluene	108-88-3	0.7	100	100	500	1000	0.7		0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00036 U	0.0003 U	**0.0072 J**	0.0004 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	100	500	1000	0.19		0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00036 U	0.0003 U	0.0081 U	0.0004 U
trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC		0.0011 U	0.0013 U	0.001 U	0.0013 U	0.0012 U	0.0012 U	0.0014 UJ	0.00031 U	0.00026 U	0.0072 U	0.00035 U
trans-1,4-Dichlorobutene	110-57-6	NC	NC	NC	NC	NC	NC		0.0044 UJ	0.0053 UJ	0.004 UJ	0.0051 UJ	0.0046 UJ	0.005 UJ	0.0055 U	0.00036 U	0.0003 U	0.086 U	0.0004 U
Trichloroethene	79-01-6	0.47	10	21	200	400	0.47		0.0022 U	0.0027 U	0.002 U	0.0025 U	0.0023 U	0.0025 U	0.0028 U	0.00032 U	0.00026 U	0.0086 U	0.00035 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC		0.011 U	0.013 U	0.01 U	0.013 U	0.012 U	0.012 U	0.014 U	0.0023 U	0.0019 U	0.0091 U	0.0026 U
Vinyl Chloride	75-01-4	0.02	0.21	0.9	13	27	0.02		0.011 U	0.013 U	0.01 U	0.013 U	0.012 U	0.012 U	0.014 U	0.0019 U	0.0016 U	0.0096 U	0.0022 U

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
NA - Not Analyzed
R- Rejected. The data are unusable. The analyte may or may not be present.
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds CP-51 Supplemental Residential SCO
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-2A
Near-Surface Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

								Location ID:	SSB-05	SSB-06	SSB-07	SSB-08	SSB-09	SSB-09	SSB-10	SSB-11	SSB-12
								Sample ID:	SSB-05-2-12-121321	SSB-06-2-12-121421	SSB-07-2-12-121321	SSB-08-2-12-121421	SSB-09-2-12-121421	X-1-121421	SSB-10-2-12-121421	SSB-11-2-12-121421	SSB-12-2-12-121321
								Start Depth (in bgs):	2	2	2	2	2	2	2	2	2
								End Depth (in bgs):	12	12	12	12	12	12	12	12	12
								Sample Date:	12/13/2021	12/14/2021	12/13/2021	12/14/2021	12/14/2021	12/14/2021	12/14/2021	12/14/2021	12/13/2021
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]									
1,1,1,2-Tetrachloroethane	630-20-6	NC	NC	NC	NC	NC	NC		0.00045 U	0.00038 U	0.00051 U	0.00036 U	0.00035 U	0.00042 U	0.00057 U	0.00035 U	0.00034 U
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1000	0.68		0.00055 U	0.00047 U	0.00063 U	0.00045 U	0.00043 U	0.00052 U	0.00071 U	0.00043 U	0.00042 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	35[CP]	NC	NC	NC	0.6[CP]		0.00044 U	0.00038 U	0.0005 U	0.00036 U	0.00035 U	0.00042 U	0.00057 U	0.00035 U	0.00034 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC		0.00038 U	0.00032 U	0.00043 U	0.0003 U	0.00029 U	0.00036 U	0.00048 U	0.0003 U	0.00029 U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.27		0.00041 U	0.00035 U	0.00046 U	0.00033 U	0.00032 U	0.00038 U	0.00053 U	0.00032 U	0.00031 U
1,1-Dichloroethene	75-35-4	0.33	100	100	500	1000	0.33		0.001 U	0.00086 U	0.0011 U	0.00082 U	0.00079 U	0.00095 U	0.0013 U	0.0008 U	0.00077 U
1,1-Dichloropropene	563-58-6	NC	NC	NC	NC	NC	NC		0.00063 U	0.00054 U	0.00072 U	0.00051 U	0.0005 U	0.0006 U	0.00082 U	0.0005 U	0.00048 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	NC	NC	NC	NC		0.00044 U	0.00038 U	0.0005 U	0.00036 U	0.00035 U	0.00042 U	0.00057 U	0.00035 U	0.00034 U
1,2,3-Trichloropropane	96-18-4	NC	80[CP]	NC	NC	NC	0.34[CP]		0.00078 U	0.00066 U	0.00088 U	0.00063 U	0.00061 U	0.00073 U	0.001 U	0.00061 U	0.00059 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	3.4[CP]		0.00039 U	0.00033 U	0.00045 U	0.00032 U	0.00031 U	0.00037 U	0.00051 U	0.00031 U	0.0003 U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	380	3.6		0.00052 U	0.00044 U	0.00059 U	0.00042 U	0.00041 U	0.00049 U	0.00067 U	0.00041 U	0.0004 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC		0.00054 U	0.00046 U	0.00062 U	0.00044 U	0.00042 U	0.00051 U	0.0007 U	0.00043 U	0.00041 U
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC		0.00051 U	0.00043 U	0.00057 U	0.00041 U	0.0004 U	0.00048 U	0.00065 U	0.0004 U	0.00039 U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1		0.00032 U	0.00027 U	0.00037 U	0.00026 U	0.00025 U	0.00031 U	0.00042 U	0.00025 U	0.00025 U
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.02		0.0005 U	0.00042 U	0.00056 U	0.0004 U	0.00039 U	0.00047 U	0.00064 U	0.00039 U	0.00038 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC		0.00038 U	0.00032 U	0.00044 U	0.00031 U	0.0003 U	0.00036 U	0.00049 U	0.0003 U	0.00029 U
1,3,5- Trichlorobenzene	108-70-3	NC	NC	NC	NC	NC	NC		0.0004 U	0.00033 U	0.00045 U	0.00032 U	0.00031 U	0.00037 U	0.00051 U	0.00031 U	0.0003 U
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	380	8.4		0.00035 U	0.0003 U	0.0004 U	0.00029 U	0.00028 U	0.00033 U	0.00046 U	0.00028 U	0.00027 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4		0.00035 U	0.00029 U	0.00039 U	0.00028 U	0.00027 U	0.00033 U	0.00044 U	0.00027 U	0.00026 U
1,3-Dichloropropane	142-28-9	NC	NC	NC	NC	NC	0.3[CP]		0.00039 U	0.00033 U	0.00044 U	0.00031 U	0.0003 U	0.00037 U	0.0005 U	0.00031 U	0.0003 U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8		0.00042 U	0.00035 U	0.00047 U	0.00034 U	0.00033 U	0.00039 U	0.00054 U	0.00033 U	0.00032 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1		0.018 U	0.015 U	0.02 U	0.014 U	0.014 U	0.017 U	0.023 U	0.014 U	0.014 U
2,2-Dichloropropane	594-20-7	NC	NC	NC	NC	NC	NC		0.00062 U	0.00053 U	0.00071 U	0.0005 U	0.00049 U	0.00059 U	0.0008 U	0.00049 U	0.00047 U
2-Butanone	78-93-3	0.12	100	100	500	1000	0.12		0.0098 U	0.0083 U	0.011 U	0.0079 U	0.0077 U	0.0093 U	0.013 U	0.0077 U	0.0075 U
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC		0.0047 U	0.004 U	0.0053 U	0.0038 U	0.0037 U	0.0044 U	0.0061 U	0.0037 U	0.0036 U
4-Isopropyltoluene	99-87-6	NC	NC	NC	NC	NC	10[CP]		**0.00047 J**	0.00032 U	0.00042 U	0.0003 U	0.00029 U	0.00035 U	0.00048 U	0.00029 U	0.00028 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	NC	NC	1[CP]		0.0036 U	0.003 U	0.0041 U	0.0029 U	0.0028 U	0.0034 U	0.0046 U	0.0028 U	0.0027 U
Acetone	67-64-1	0.05	100	100	500	1000	0.05		**0.042 J**	0.022 U	**0.041 J**	**0.059 J**	**0.049 J**	**0.051 J**	0.034 U	**0.031 J**	0.02 U
Acrylonitrile	107-13-1	NC	NC	NC	NC	NC	NC		0.00079 U	0.00067 U	0.0009 U	0.00064 U	0.00062 U	0.00075 U	0.001 U	0.00062 U	0.0006 U
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.06		0.00038 U	0.00032 U	0.00043 U	0.00031 U	0.0003 U	0.00036 U	0.00049 U	0.0003 U	0.00029 U
Bromobenzene	108-86-1	NC	NC	NC	NC	NC	NC		0.00027 U	0.00023 U	0.00031 U	0.00022 U	0.00021 U	0.00026 U	0.00035 U	0.00021 U	0.00021 U
Bromochloromethane	74-97-5	NC	NC	NC	NC	NC	NC		0.00077 U	0.00065 U	0.00088 U	0.00062 U	0.0006 U	0.00073 U	0.00099 U	0.00061 U	0.00059 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC		0.00039 U	0.00033 U	0.00044 U	0.00031 U	0.0003 U	0.00036 U	0.0005 U	0.0003 U	0.00029 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC		0.00049 U	0.00042 U	0.00056 U	0.0004 U	0.00038 U	0.00046 U	0.00063 U	0.00039 U	0.00037 U
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC		0.003 U	0.0025 U	0.0034 U	0.0024 U	0.0023 U	0.0028 U	0.0038 U	0.0024 U	0.0023 U
Carbon disulfide	75-15-0	NC	100[CP]	NC	NC	NC	2.7[CP]		0.0058 U	0.0049 U	0.0066 U	0.0047 U	0.0045 U	0.0054 U	0.0074 U	0.0045 U	0.0044 U
Carbon Tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.76		0.00063 U	0.00053 U	0.00071 U	0.00051 U	0.00049 U	0.00059 U	0.00081 U	0.0005 U	0.00048 U
Chlorobenzene	108-90-7	1.1	100	100	500	1000	1.1		0.00043 U	0.00037 U	0.00049 U	0.00035 U	0.00034 U	0.00041 U	0.00056 U	0.00034 U	0.00033 U
Chloroethane	75-00-3	NC	NC	NC	NC	NC	1.9[CP]		0.0029 U	0.0024 U	0.0032 U	0.0023 U	0.0022 U	0.0027 U	0.0037 U	0.0022 U	0.0022 U
Chloroform	67-66-3	0.37	10	49	350	700	0.37		0.00081 U	0.00068 U	0.00092 U	0.00065 U	0.00063 U	0.00076 U	0.001 U	0.00064 U	0.00061 U
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC		0.0026 U	0.0022 U	0.003 U	0.0021 U	0.0021 U	0.0025 U	0.0034 U	0.0021 U	0.002 U
cis-1,2-Dichloroethene	156-59-2	0.25	59	100	500	1000	0.25		0.00043 U	0.00036 U	0.00049 U	0.00035 U	0.00033 U	0.0004 U	0.00055 U	0.00034 U	0.00033 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC		0.00032 U	0.00027 U	0.00036 U	0.00025 U	0.00025 U	0.0003 U	0.00041 U	0.00025 U	0.00024 U
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC		0.00042 U	0.00035 U	0.00047 U	0.00034 U	0.00033 U	0.00039 U	0.00054 U	0.00033 U	0.00032 U
Dibromomethane	74-95-3	NC	NC	NC	NC	NC	NC		0.00059 U	0.0005 U	0.00067 U	0.00048 U	0.00046 U	0.00056 U	0.00076 U	0.00047 U	0.00045 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC		0.00094 U	0.00079 U	0.0011 U	0.00076 U	0.00073 U	0.00088 U	0.0012 U	0.00074 U	0.00071 U
Diisopropyl Ether	108-20-3	NC	NC	NC	NC	NC	NC		0.00043 U	0.00037 U	0.00049 U	0.00035 U	0.00034 U	0.00041 U	0.00056 U	0.00034 U	0.00033 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	100[CP]	NC	NC	NC	6[CP]		0.0022 U	0.0018 U	0.0025 U	0.0018 U	0.0017 U	0.0021 U	0.0028 U	0.0017 U	0.0017 U
Ethyl ether	60-29-7	NC	NC	NC	NC	NC	NC		0.0018 U	0.0015 U	0.002 U	0.0015 U	0.0014 U	0.0017 U	0.0023 U	0.0014 U	0.0014 U
Ethylbenzene	100-41-4	1	30	41	390	780	1		0.00036 U	0.00031 U	0.00041 U	0.00029 U	0.00028 U	0.00034 U	0.00047 U	0.00029 U	0.00028 U
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC		0.00058 U	0.00049 U	0.00066 U	0.00047 U	0.00045 U	0.00055 U	0.00075 U	0.00046 U	0.00044 U
Isopropylbenzene	98-82-8	NC	100[CP]	NC	NC	NC	2.3[CP]		0.00058 U	0.00049 U	0.00066 U	0.00047 U	0.00045 U	0.00055 U	0.00075 U	0.00046 U	0.00044 U
m,p-Xylene	179601-23-1	NC	NC	NC	NC	NC	NC		0.00061 U	0.00052 U	0.0007 U	0.0005 U	0.00048 U	0.00058 U	0.00079 U	0.00048 U	0.00047 U
Methylene Chloride	75-09-2	0.05	51	100	500	1000	0.05		0.00045 U	0.00038 U	0.00052 U	0.00037 U	0.00036 U	0.00043 U	0.00058 U	0.00036 U	0.00035 U
MTBE	1634-04-4	0.93	62	100	500	1000	0.93		0.0003 U	0.00026 U	0.00035 U	0.00025 U	0.00024 U	0.00029 U	0.00039 U	0.00024 U	0.00023 U
Naphthalene	91-20-3	12	100	100	500	1000	12		0.00042 U	0.00035 U	0.00047 U	0.00034 U	0.00033 U	0.00039 U	0.00054 U	0.00033 U	0.00032 U
n-Butylbenzene	104-51-8	12	100	100	500	1000	12		0.00042 U	0.00035 U	0.00047 U	0.00034 U	0.00033 U	0.00039 U	0.00054 U	0.00033 U	0.00032 U
n-Propylbenzene	103-65-1	3.9	100	100	500	1000	3.9		0.00031 U	0.00027 U	0.00036 U	0.00025 U	0.00025 U	0.0003 U	0.0004 U	0.00025 U	0.00024 U

Table 5-2A
Near-Surface Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

								Location ID:	SSB-05	SSB-06	SSB-07	SSB-08	SSB-09	SSB-09	SSB-10	SSB-11	SSB-12
								Sample ID:	SSB-05-2-12-121321	SSB-06-2-12-121421	SSB-07-2-12-121321	SSB-08-2-12-121421	SSB-09-2-12-121421	X-1-121421	SSB-10-2-12-121421	SSB-11-2-12-121421	SSB-12-2-12-121321
								Start Depth (in bgs):	2	2	2	2	2	2	2	2	2
								End Depth (in bgs):	12	12	12	12	12	12	12	12	12
								Sample Date:	12/13/2021	12/14/2021	12/13/2021	12/14/2021	12/14/2021	12/14/2021	12/14/2021	12/14/2021	12/13/2021
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]									
o-Chlorotoluene	95-49-8	NC	NC	NC	NC	NC	NC		0.00037 U	0.00031 U	0.00042 U	0.0003 U	0.00029 U	0.00035 U	0.00048 U	0.00029 U	0.00028 U
o-Xylene	95-47-6	NC	NC	NC	NC	NC	NC		0.00033 U	0.00028 U	0.00038 U	0.00027 U	0.00026 U	0.00031 U	0.00043 U	0.00026 U	0.00025 U
p-Chlorotoluene	106-43-4	NC	NC	NC	NC	NC	NC		0.00028 U	0.00024 U	0.00032 U	0.00023 U	0.00022 U	0.00027 U	0.00037 U	0.00022 U	0.00022 U
sec-Butylbenzene	135-98-8	11	100	100	500	1000	11		0.00079 U	0.00067 U	0.00089 U	0.00064 U	0.00061 U	0.00074 U	0.001 U	0.00062 U	0.0006 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC		0.00034 U	0.00029 U	0.00039 U	0.00028 U	0.00027 U	0.00032 U	0.00044 U	0.00027 U	0.00026 U
t-Butyl alcohol	75-65-0	NC	NC	NC	NC	NC	NC		0.039 U	0.033 U	0.045 U	0.032 U	0.031 U	0.037 U	0.051 U	0.031 U	0.03 U
Tert-Amyl Methyl Ether	994-05-8	NC	NC	NC	NC	NC	NC		0.00037 U	0.00031 U	0.00042 U	0.0003 U	0.00029 U	0.00035 U	0.00047 U	0.00029 U	0.00028 U
Tert-Butyl Ethyl Ether	637-92-3	NC	NC	NC	NC	NC	NC		0.00042 U	0.00035 U	0.00047 U	0.00034 U	0.00033 U	0.00039 U	0.00054 U	0.00033 U	0.00032 U
Tert-Butylbenzene	98-06-6	5.9	100	100	500	1000	5.9		0.00069 U	0.00058 U	0.00078 U	0.00055 U	0.00054 U	0.00065 U	0.00088 U	0.00054 U	0.00052 U
Tetrachloroethene	127-18-4	1.3	5.5	19	150	300	1.3		0.00044 U	0.00037 U	0.0005 U	0.00036 U	0.00035 U	0.00042 U	0.00057 U	0.00035 U	0.00034 U
Tetrahydrofuran	109-99-9	NC	NC	NC	NC	NC	NC		0.0021 U	0.0017 U	0.0023 U	0.0017 U	0.0016 U	0.0019 U	0.0027 U	0.0016 U	0.0016 U
Toluene	108-88-3	0.7	100	100	500	1000	0.7		0.00045 U	0.00038 U	0.00051 U	0.00037 U	0.00035 U	0.00043 U	0.00058 U	0.00036 U	0.00034 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	100	500	1000	0.19		0.00045 U	0.00038 U	0.00051 U	0.00037 U	0.00035 U	0.00043 U	0.00058 U	0.00036 U	0.00034 U
trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC		0.0004 U	0.00034 U	0.00045 U	0.00032 U	0.00031 U	0.00037 U	0.00051 U	0.00031 U	0.0003 U
trans-1,4-Dichlorobutene	110-57-6	NC	NC	NC	NC	NC	NC		0.00046 U	0.00039 U	0.00052 U	0.00037 U	0.00036 U	0.00043 U	0.00059 U	0.00036 U	0.00035 U
Trichloroethene	79-01-6	0.47	10	21	200	400	0.47		0.0004 U	0.00034 U	0.00045 U	0.00032 U	0.00031 U	0.00038 U	0.00051 U	0.00031 U	0.0003 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC		0.0029 U	0.0025 U	0.0033 U	0.0024 U	0.0023 U	0.0028 U	0.0038 U	0.0023 U	0.0022 U
Vinyl Chloride	75-01-4	0.02	0.21	0.9	13	27	0.02		0.0025 U	0.0021 U	0.0028 U	0.002 U	0.0019 U	0.0023 U	0.0032 U	0.0019 U	0.0019 U

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
NA - Not Analyzed
R- Rejected. The data are unusable. The analyte may or may not be present.
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds CP-51 Supplemental Residential SCO
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCC
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-2B
Near-Surface Soil Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-01	SB12-02	SB12-04	SB12-05	SB12-20	SB12-21	SB12-43	SSB-01	SSB-02	SSB-03
							Sample ID:	SS12-01(0-4)	SS12-02(0-4)	SS12-03(0-4)	SS12-04(0-0.5)	SB12-20(0-2)	SB12-21 (0-1)	SB12-43 (1-2)	SSB-01-2-12-121421	SSB-02-2-12-121321	SSB-03-2-12-121321
							Start Depth (in bgs):	0	0	0	0	0	0	12	2	2	2
							End Depth (in bgs):	4	4	4	6	24	12	24	12	12	12
							Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	11/9/2012	12/14/2021	12/13/2021	12/13/2021
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]										
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.055 U	0.098 U	0.056 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.053 U	0.094 U	0.054 U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	NA	NA	NA	NA	NA	NA	NA	0.049 U	0.086 U	0.049 U
1,2-Diphenylhydrazine	122-66-7	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.061 U	0.11 U	0.062 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	NA	NA	NA	NA	NA	NA	NA	0.047 U	0.083 U	0.047 U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	NA	NA	NA	NA	NA	NA	NA	0.044 U	0.079 U	0.045 U
1-Methylnaphthalene	90-12-0	NC	NC	NC	NC	NC	NC	0.21 U	0.41 U	0.2 U	0.23 U	0.19 U	0.21 U	0.21 U	0.059 U	0.1 U	**0.081 J**
2,4,5-Trichlorophenol	95-95-4	NC	100[CP]	NC	NC	NC	0.1[CP]	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.066 U	0.12 U	0.067 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.066 U	0.12 U	0.066 U
2,4-Dichlorophenol	120-83-2	NC	100[CP]	NC	NC	NC	0.4[CP]	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.063 U	0.11 U	0.064 U
2,4-Dimethylphenol	105-67-9	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.12 U	0.21 U	0.12 U
2,4-Dinitrophenol	51-28-5	NC	100[CP]	NC	NC	NC	0.2[CP]	0.81 U	1.6 U	0.76 U	0.88 U	0.75 U	0.8 U	0.82 U	0.37 U	0.65 U	0.37 U
2,4-Dinitrotoluene	121-14-2	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.083 U	0.15 U	0.084 U
2,6-Dinitrotoluene	606-20-2	NC	1.03[CP]	NC	NC	NC	1[CP]	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.071 U	0.13 U	0.071 U
2-Chloronaphthalene	91-58-7	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.049 U	0.087 U	0.05 U
2-Chlorophenol	95-57-8	NC	100[CP]	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.059 U	0.1 U	0.06 U
2-Methylnaphthalene	91-57-6	NC	0.41[CP]	NC	NC	NC	36.4[CP]	0.21 U	0.41 U	0.2 U	0.23 U	0.19 U	0.21 U	0.21 U	0.067 U	0.12 U	**0.11 J**
2-Methylphenol	95-48-7	0.33	100	100	500	1000	0.33	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.079 U	0.14 U	0.08 U
2-Nitroaniline	88-74-4	NC	NC	NC	NC	NC	0.4[CP]	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.091 U	0.16 U	0.092 U
2-Nitrophenol	88-75-5	NC	NC	NC	NC	NC	0.3[CP]	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.067 U	0.12 U	0.067 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	NC	NC	NC	NC	0.21 UJ	0.41 UJ	0.2 UJ	0.23 UJ	0.19 UJ	0.21 UJ	0.21 UJ	0.062 U	0.11 U	0.063 U
3/4-Methyphenol (Total)	MEPH3MEPH4	0.33	34	100	500	1000	0.33	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.069 U	0.12 U	0.069 U
3-Nitroaniline	99-09-2	NC	NC	NC	NC	NC	0.5[CP]	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.072 U	0.13 U	0.073 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.29 U	0.51 U	0.29 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.054 U	0.096 U	0.055 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	NC	NC	NC	NC	0.81 U	1.6 U	0.76 U	0.88 U	0.75 U	0.8 U	0.82 U	0.071 U	0.12 U	0.071 U
4-Chloroaniline	106-47-8	NC	100[CP]	NC	NC	NC	0.22[CP]	0.81 UJ	1.6 U	0.76 U	0.88 U	0.75 U	0.8 U	0.82 U	0.056 U	0.1 U	0.057 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.061 U	0.11 U	0.061 U
4-Nitroaniline	100-01-6	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.091 U	0.16 U	0.092 U
4-Nitrophenol	100-02-7	NC	NC	NC	NC	NC	0.1[CP]	0.81 U	1.6 U	0.76 U	0.88 U	0.75 U	0.8 U	0.82 U	0.17 U	0.31 U	0.17 U
Acenaphthene	83-32-9	20	100	100	500	1000	98	0.21 U	0.41 U	0.2 U	0.23 U	0.19 U	0.21 U	0.21 U	0.067 U	0.12 U	**0.081 J**
Acenaphthylene	208-96-8	100	100	100	500	1000	107	0.21 U	0.41 U	0.2 U	0.23 U	0.19 U	0.21 U	0.21 U	0.065 U	0.12 U	**0.15 J**
Acetophenone	98-86-2	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.058 U	0.1 U	0.059 U
Aniline	62-53-3	NC	48[CP]	100[CP]	500[CP]	1000[CP]	0.33[CP]	0.42 UJ	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.089 U	0.16 U	0.09 U
Anthracene	120-12-7	100	100	100	500	1000	1000	0.21 U	0.41 U	0.2 U	0.23 U	0.19 U	0.21 U	0.21 UJ	0.069 U	0.12 U	**0.30**
Benzidine	92-87-5	NC	NC	NC	NC	NC	NC	R	R	R	R	R	R	R	0.19 U	0.34 U	0.2 U
Benzo[a]anthracene	56-55-3	1	1	1	5.6	11	1	**0.29**	0.41 U	0.2 U	0.23 U	0.19 U	**0.21 J**	0.21 U	**0.34**	**0.22 JD**	**0.87**
Benzo[a]pyrene	50-32-8	1	1	1	1	1.1	22	**0.3**	0.41 U	0.2 U	0.23 U	0.19 U	**0.21 J**	0.21 U	**0.41**	**0.21 JD**	**0.88**
Benzo[b]fluoranthene	205-99-2	1	1	1	5.6	11	1.7	**0.4**	0.41 U	0.2 U	0.23 U	0.19 U	**0.21 J**	0.21 U	**0.56**	**0.27 JD**	**1.1**
Benzo[g,h,i]perylene	191-24-2	100	100	100	500	1000	1000	**0.27**	0.41 U	0.2 U	0.23 U	0.19 U	**0.21 J**	0.21 U	**0.28**	**0.17 JD**	**0.50**
Benzo[k]fluoranthene	207-08-9	0.8	1	3.9	56	110	1.7	**0.21 J**	0.41 U	0.2 U	0.23 U	0.19 U	0.21 U	0.21 U	**0.24**	**0.11 JD**	**0.49**
Benzoic Acid	65-85-0	NC	100[CP]	NC	NC	NC	2.7[CP]	1.2 U	2.4 U	1.2 U	**1.3 J**	1.1 UJ	1.2 U	1.2 UJ	0.51 U	0.9 U	0.51 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.055 U	0.098 U	0.056 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.058 U	0.1 U	0.059 U
Bis(2-chloroisopropyl)ether	39638-32-9	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.097 U	0.17 U	0.098 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	50[CP]	NC	NC	NC	435[CP]	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.072 U	0.13 U	0.072 U
Butylbenzylphthalate	85-68-7	NC	100[CP]	NC	NC	NC	122[CP]	0.81 U	1.6 U	0.76 U	0.88 U	0.75 U	0.8 U	0.82 U	0.068 U	0.12 U	0.068 U
Carbazole	86-74-8	NC	NC	NC	NC	NC	NC	0.21 U	0.41 U	0.2 U	0.23 U	0.19 U	0.21 U	0.21 U	0.07 U	0.12 U	**0.17 J**
Chrysene	218-01-9	1	1	3.9	56	110	1	**0.35**	0.41 U	0.2 U	0.23 U	0.19 U	**0.21 J**	0.21 U	**0.43**	**0.23 JD**	**0.93**
Dibenzo[a,h]Anthracene	53-70-3	0.33	0.33	0.33	0.56	1.1	1000	0.21 U	0.41 U	0.2 U	0.23 U	0.19 U	0.21 U	0.21 U	0.086 U	0.15 U	**0.13 J**
Dibenzofuran	132-64-9	7	14	59	350	1000	210	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.063 U	0.11 U	**0.14 J**
Diethylphthalate	84-66-2	NC	100[CP]	NC	NC	NC	7.1[CP]	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.065 U	0.11 U	0.066 U
Dimethylphthalate	131-11-3	NC	100[CP]	NC	NC	NC	27[CP]	0.81 U	1.6 U	0.76 U	0.88 U	0.75 U	0.8 U	0.82 U	0.062 U	0.11 U	0.063 U
Di-n-butylphthalate	84-74-2	NC	100[CP]	NC	NC	NC	8.1[CP]	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 UJ	0.06 U	0.11 U	0.061 U
Di-n-octylphthalate	117-84-0	NC	100[CP]	NC	NC	NC	120[CP]	0.81 U	1.6 U	0.76 U	0.88 U	0.75 U	0.8 UJ	0.82 U	0.15 U	0.27 U	0.15 U
Fluoranthene	206-44-0	100	100	100	500	1000	1000	**0.6**	0.41 U	0.2 U	0.23 U	0.19 U	**0.21 J**	0.21 U	**0.98**	**0.40 D**	**2.0**
Fluorene	86-73-7	30	100	100	500	1000	386	0.21 U	0.41 U	0.2 U	0.23 U	0.19 U	0.21 U	0.21 U	0.072 U	0.13 U	**0.14 J**

Table 5-2B
Near-Surface Soil Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]	Location ID:	Sample ID:	Start Depth (in bgs):	End Depth (in bgs):	Sample Date:
								SB12-01	SS12-01(0-4)	0	4	10/30/2012
								SB12-02	SS12-02(0-4)	0	4	10/30/2012
								SB12-04	SS12-03(0-4)	0	4	10/30/2012
								SB12-05	SS12-04(0-0.5)	0	6	10/30/2012
								SB12-20	SB12-20(0-2)	0	24	10/30/2012
								SB12-21	SB12-21 (0-1)	0	12	10/30/2012
								SB12-43	SB12-43 (1-2)	12	24	11/9/2012
								SSB-01	SSB-01-2-12-121421	2	12	12/14/2021
								SSB-02	SSB-02-2-12-121321	2	12	12/13/2021
								SSB-03	SSB-03-2-12-121321	2	12	12/13/2021
Hexachlorobenzene	118-74-1	0.33	0.33	1.2	6	12	3.2	NA	NA	NA	NA	NA	NA	NA	0.058 U	0.1 U	0.058 U
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	0.054 U	0.096 U	0.055 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	NC	NC	NC	NC	0.81 UJ	1.6 U	0.76 U	0.88 U	0.75 UJ	0.8 U	0.82 UJ	0.18 U	0.31 U	0.18 U
Hexachloroethane	67-72-1	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.051 U	0.089 U	0.051 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.5	0.5	0.5	5.6	11	8.2	**0.31**	0.41 U	0.2 U	0.23 U	0.19 U	**0.21 J**	0.21 U	**0.32**	0.17 U	**0.58**
Isophorone	78-59-1	NC	100[CP]	NC	NC	NC	4.4[CP]	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.071 U	0.13 U	0.072 U
Naphthalene	91-20-3	12	100	100	500	1000	12	NA	NA	NA	NA	NA	NA	NA	0.058 U	0.1 U	**0.18 J**
Nitrobenzene	98-95-3	NC	3.7[CP]	15[CP]	69[CP]	140[CP]	0.17[CP]	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.062 U	0.11 U	0.062 U
N-Nitrosodimethylamine	62-75-9	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.064 U	0.11 U	0.064 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.059 U	0.1 U	0.059 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	NA	NA	NA
Pentachloronitrobenzene	82-68-8	NC	NC	NC	NC	NC	NC	0.42 UJ	0.82 UJ	0.39 UJ	0.45 UJ	0.39 UJ	0.41 UJ	0.42 UJ	0.072 U	0.13 U	0.072 U
Pentachlorophenol	87-86-5	0.8	2.4	6.7	6.7	55	0.8	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.19 U	0.33 U	0.19 U
Phenanthrene	85-01-8	100	100	100	500	1000	1000	**0.23**	0.41 U	0.2 U	0.23 U	0.19 U	0.21 U	0.21 U	**0.37**	**0.26 JD**	**1.6**
Phenol	108-95-2	0.33	100	100	500	1000	0.33	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.06 U	0.11 U	0.061 U
Pyrene	129-00-0	100	100	100	500	1000	1000	**0.63**	0.41 U	0.2 U	0.23 U	0.19 U	**0.21 J**	0.21 U	**0.70**	**0.43 D**	**1.8**
Pyridine	110-86-1	NC	NC	NC	NC	NC	NC	0.42 U	0.82 U	0.39 U	0.45 U	0.39 U	0.41 U	0.42 U	0.043 U	0.077 U	0.044 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1	R	R	R	R	R	R	R	NA	NA	NA

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
NA - Not Analyzed
R- Rejected. The data are unusable. The analyte may or may not be present.
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-2B
Near-Surface Soil Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SSB-04	SSB-05	SSB-06	SSB-07	SSB-08	SSB-09	SSB-09	SSB-10	SSB-11	SSB-12
							Sample ID:	SSB-04-2-12-121321	SSB-05-2-12-121321	SSB-06-2-12-121421	SSB-07-2-12-121321	SSB-08-2-12-121421	SSB-09-2-12-121421	X-1-121421	SSB-10-2-12-121421	SSB-11-2-12-121421	SSB-12-2-12-121321
							Start Depth (in bgs):	2	2	2	2	2	2	2	2	2	2
							End Depth (in bgs):	12	12	12	12	12	12	12	12	12	12
							Sample Date:	12/13/2021	12/13/2021	12/14/2021	12/13/2021	12/14/2021	12/14/2021	12/14/2021	12/14/2021	12/14/2021	12/13/2021
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]										
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	NC	NC	NC	NC	0.062 U	0.059 U	0.056 U	0.059 U	0.056 U	0.053 U	0.055 U	0.077 U	0.055 U	0.049 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	NC	0.06 U	0.057 U	0.054 U	0.057 U	0.054 U	0.051 U	0.053 U	0.074 U	0.053 U	0.047 U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	0.055 U	0.052 U	0.049 U	0.052 U	0.049 U	0.046 U	0.049 U	0.067 U	0.049 U	0.043 U
1,2-Diphenylhydrazine	122-66-7	NC	NC	NC	NC	NC	NC	0.069 U	0.065 U	0.062 U	0.065 U	0.062 U	0.058 U	0.061 U	0.085 U	0.061 U	0.054 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	0.052 U	0.05 U	0.047 U	0.05 U	0.047 U	0.044 U	0.047 U	0.065 U	0.047 U	0.041 U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	0.05 U	0.048 U	0.045 U	0.047 U	0.045 U	0.042 U	0.044 U	0.062 U	0.044 U	0.039 U
1-Methylnaphthalene	90-12-0	NC	NC	NC	NC	NC	NC	0.066 U	0.063 U	0.06 U	0.063 U	0.06 U	0.056 U	0.059 U	0.082 U	0.059 U	0.052 U
2,4,5-Trichlorophenol	95-95-4	NC	100[CP]	NC	NC	NC	0.1[CP]	0.074 U	0.071 U	0.067 U	0.07 U	0.067 U	0.063 U	0.066 U	0.092 U	0.066 U	0.059 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	NC	NC	NC	NC	0.074 U	0.07 U	0.067 U	0.07 U	0.066 U	0.062 U	0.066 U	0.091 U	0.066 U	0.058 U
2,4-Dichlorophenol	120-83-2	NC	100[CP]	NC	NC	NC	0.4[CP]	0.071 U	0.068 U	0.064 U	0.067 U	0.064 U	0.06 U	0.063 U	0.088 U	0.063 U	0.056 U
2,4-Dimethylphenol	105-67-9	NC	NC	NC	NC	NC	NC	0.13 U	0.12 U	0.12 U	0.12 U	0.12 U	0.11 U	0.12 U	0.16 U	0.12 U	0.1 U
2,4-Dinitrophenol	51-28-5	NC	100[CP]	NC	NC	NC	0.2[CP]	0.41 U	0.39 U	0.37 U	0.39 U	0.37 U	0.35 U	0.37 U	0.51 U	0.37 U	0.32 U
2,4-Dinitrotoluene	121-14-2	NC	NC	NC	NC	NC	NC	0.093 U	0.089 U	0.084 U	0.088 U	0.084 U	0.079 U	0.083 U	0.12 U	0.083 U	0.073 U
2,6-Dinitrotoluene	606-20-2	NC	1.03[CP]	NC	NC	NC	1[CP]	0.079 U	0.076 U	0.072 U	0.075 U	0.072 U	0.067 U	0.071 U	0.098 U	0.071 U	0.063 U
2-Chloronaphthalene	91-58-7	NC	NC	NC	NC	NC	NC	0.056 U	0.053 U	0.05 U	0.053 U	0.05 U	0.047 U	0.049 U	0.068 U	0.049 U	0.044 U
2-Chlorophenol	95-57-8	NC	100[CP]	NC	NC	NC	NC	0.066 U	0.063 U	0.06 U	0.063 U	0.06 U	0.056 U	0.059 U	0.082 U	0.059 U	0.052 U
2-Methylnaphthalene	91-57-6	NC	0.41[CP]	NC	NC	NC	36.4[CP]	0.076 U	0.072 U	0.068 U	0.072 U	0.068 U	0.064 U	0.067 U	0.093 U	0.067 U	0.059 U
2-Methylphenol	95-48-7	0.33	100	100	500	1000	0.33	0.089 U	0.084 U	0.08 U	0.084 U	0.08 U	0.075 U	0.079 U	0.11 U	0.079 U	0.07 U
2-Nitroaniline	88-74-4	NC	NC	NC	NC	NC	0.4[CP]	0.1 U	0.097 U	0.092 U	0.096 U	0.092 U	0.086 U	0.091 U	0.13 U	0.091 U	0.08 U
2-Nitrophenol	88-75-5	NC	NC	NC	NC	NC	0.3[CP]	0.075 U	0.071 U	0.067 U	0.071 U	0.067 U	0.063 U	0.067 U	0.092 U	0.067 U	0.059 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	NC	NC	NC	NC	0.07 U	0.067 U	0.063 U	0.066 U	0.063 U	0.059 U	0.062 U	0.086 U	0.062 U	0.055 U
3/4-Methyphenol (Total)	MEPH3MEPH4	0.33	34	100	500	1000	0.33	0.077 U	0.074 U	0.07 U	0.073 U	0.07 U	0.065 U	0.069 U	0.095 U	0.069 U	0.061 U
3-Nitroaniline	99-09-2	NC	NC	NC	NC	NC	0.5[CP]	0.081 U	0.078 U	0.073 U	0.077 U	0.073 U	0.069 U	0.072 U	0.1 U	0.072 U	0.064 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	NC	NC	NC	NC	0.32 U	0.31 U	0.29 U	0.3 U	0.29 U	0.27 U	0.29 U	0.4 U	0.29 U	0.25 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	NC	NC	NC	NC	0.061 U	0.058 U	0.055 U	0.058 U	0.055 U	0.051 U	0.054 U	0.075 U	0.054 U	0.048 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	NC	NC	NC	NC	0.079 U	0.076 U	0.072 U	0.075 U	0.071 U	0.067 U	0.071 U	0.098 U	0.071 U	0.062 U
4-Chloroaniline	106-47-8	NC	100[CP]	NC	NC	NC	0.22[CP]	0.064 U	0.061 U	0.057 U	0.06 U	0.057 U	0.054 U	0.056 U	0.078 U	0.056 U	0.05 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	NC	NC	NC	NC	0.068 U	0.065 U	0.062 U	0.065 U	0.062 U	0.058 U	0.061 U	0.084 U	0.061 U	0.054 U
4-Nitroaniline	100-01-6	NC	NC	NC	NC	NC	NC	0.1 U	0.098 U	0.093 U	0.097 U	0.092 U	0.087 U	0.091 U	0.13 U	0.091 U	0.081 U
4-Nitrophenol	100-02-7	NC	NC	NC	NC	NC	0.1[CP]	0.19 U	0.18 U	0.17 U	0.18 U	0.17 U	0.16 U	0.17 U	0.24 U	0.17 U	0.15 U
Acenaphthene	83-32-9	20	100	100	500	1000	98	0.097 J	0.072 U	0.068 U	0.071 U	0.068 U	0.063 U	0.067 U	0.092 U	0.067 U	0.059 U
Acenaphthylene	208-96-8	100	100	100	500	1000	107	0.073 U	0.07 U	0.066 U	0.069 U	0.066 U	0.062 U	0.065 U	0.09 U	0.065 U	0.058 U
Acetophenone	98-86-2	NC	NC	NC	NC	NC	NC	0.065 U	0.062 U	0.059 U	0.062 U	0.059 U	0.055 U	0.058 U	0.081 U	0.058 U	0.051 U
Aniline	62-53-3	NC	48[CP]	100[CP]	500[CP]	1000[CP]	0.33[CP]	0.1 U	0.095 U	0.09 U	0.094 U	0.09 U	0.084 U	0.089 U	0.12 U	0.089 U	0.078 U
Anthracene	120-12-7	100	100	100	500	1000	1000	**0.48**	0.075 U	0.07 U	0.074 U	0.07 U	0.066 U	0.069 U	0.096 U	0.069 U	0.061 U
Benzidine	92-87-5	NC	NC	NC	NC	NC	NC	0.22 U	0.21 U	0.2 U	0.21 U	0.2 U	0.18 U	0.19 U	0.27 U	0.19 U	0.17 U
Benzo[a]anthracene	56-55-3	1	1	1	5.6	11	1	**1.9**	0.063 U	0.06 U	0.063 U	0.06 U	0.056 U	0.059 U	0.082 U	**0.26**	**0.16 J**
Benzo[a]pyrene	50-32-8	1	1	1	1	1.1	22	**2.0**	0.07 U	0.066 U	0.07 U	0.066 U	0.062 U	0.065 U	0.09 U	**0.42**	**0.18 J**
Benzo[b]fluoranthene	205-99-2	1	1	1	5.6	11	1.7	**2.8**	0.069 U	0.065 U	0.068 U	0.065 U	0.061 U	0.064 U	0.089 U	**0.69**	**0.25**
Benzo[g,h,i]perylene	191-24-2	100	100	100	500	1000	1000	**1.4**	0.096 U	0.09 U	0.095 U	0.09 U	0.085 U	0.089 U	0.12 U	**0.36**	**0.12 J**
Benzo[k]fluoranthene	207-08-9	0.8	1	3.9	56	110	1.7	**1.2**	0.062 U	0.058 U	0.061 U	0.058 U	0.055 U	0.058 U	0.08 U	**0.26**	**0.11 J**
Benzoic Acid	65-85-0	NC	100[CP]	NC	NC	NC	2.7[CP]	0.57 U	0.54 U	0.51 U	0.54 U	0.51 U	0.48 U	0.51 U	0.7 U	0.51 U	0.45 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	NC	NC	NC	NC	0.062 U	0.059 U	0.056 U	0.059 U	0.056 U	0.052 U	0.055 U	0.077 U	0.055 U	0.049 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	NC	NC	NC	NC	0.066 U	0.063 U	0.059 U	0.062 U	0.059 U	0.055 U	0.058 U	0.081 U	0.058 U	0.052 U
Bis(2-chloroisopropyl)ether	39638-32-9	NC	NC	NC	NC	NC	NC	0.11 U	0.1 U	0.098 U	0.1 U	0.098 U	0.092 U	0.097 U	0.13 U	0.097 U	0.086 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	50[CP]	NC	NC	NC	435[CP]	0.081 U	0.077 U	0.073 U	0.076 U	0.073 U	0.068 U	0.072 U	0.099 U	0.072 U	0.063 U
Butylbenzylphthalate	85-68-7	NC	100[CP]	NC	NC	NC	122[CP]	0.076 U	0.073 U	0.069 U	0.072 U	0.069 U	0.064 U	0.068 U	0.094 U	0.068 U	0.06 U
Carbazole	86-74-8	NC	NC	NC	NC	NC	NC	**0.25**	0.075 U	0.071 U	0.075 U	0.071 U	0.066 U	0.07 U	0.097 U	0.07 U	0.062 U
Chrysene	218-01-9	1	1	3.9	56	110	1	**2.1**	0.066 U	0.062 U	0.065 U	0.062 U	0.058 U	0.061 U	0.085 U	**0.44**	**0.18 J**
Dibenzo[a,h]Anthracene	53-70-3	0.33	0.33	0.33	0.56	1.1	1000	**0.31**	0.093 U	0.087 U	0.092 U	0.087 U	0.082 U	0.086 U	0.12 U	0.086 U	0.076 U
Dibenzofuran	132-64-9	7	14	59	350	1000	210	0.071 U	0.067 U	0.064 U	0.067 U	0.064 U	0.06 U	0.063 U	0.087 U	0.063 U	0.056 U
Diethylphthalate	84-66-2	NC	100[CP]	NC	NC	NC	7.1[CP]	0.073 U	0.07 U	0.066 U	0.069 U	0.066 U	0.062 U	0.065 U	0.09 U	0.065 U	0.057 U
Dimethylphthalate	131-11-3	NC	100[CP]	NC	NC	NC	27[CP]	0.07 U	0.066 U	0.063 U	0.066 U	0.063 U	0.059 U	0.062 U	0.086 U	0.062 U	0.055 U
Di-n-butylphthalate	84-74-2	NC	100[CP]	NC	NC	NC	8.1[CP]	0.068 U	0.064 U	0.061 U	0.064 U	0.061 U	0.057 U	0.06 U	0.083 U	0.06 U	0.053 U
Di-n-octylphthalate	117-84-0	NC	100[CP]	NC	NC	NC	120[CP]	0.17 U	0.16 U	0.15 U	0.16 U	0.15 U	0.14 U	0.15 U	0.21 U	0.15 U	0.13 U
Fluoranthene	206-44-0	100	100	100	500	1000	1000	**4.9**	0.073 U	0.069 U	0.072 U	0.069 U	0.064 U	0.068 U	0.094 U	**0.69**	**0.40**
Fluorene	86-73-7	30	100	100	500	1000	386	**0.14 J**	0.077 U	0.073 U	0.076 U	0.073 U	0.068 U	0.072 U	0.099 U	0.072 U	0.063 U

Table 5-2B
Near-Surface Soil Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]	Location ID:	Sample ID:	Start Depth (in bgs):	End Depth (in bgs):	Sample Date:
								SSB-04	SSB-04-2-12-121321	2	12	12/13/2021
								SSB-05	SSB-05-2-12-121321	2	12	12/13/2021
								SSB-06	SSB-06-2-12-121421	2	12	12/14/2021
								SSB-07	SSB-07-2-12-121321	2	12	12/13/2021
								SSB-08	SSB-08-2-12-121421	2	12	12/14/2021
								SSB-09	SSB-09-2-12-121421	2	12	12/14/2021
								SSB-09	X-1-121421	2	12	12/14/2021
								SSB-10	SSB-10-2-12-121421	2	12	12/14/2021
								SSB-11	SSB-11-2-12-121421	2	12	12/14/2021
								SSB-12	SSB-12-2-12-121321	2	12	12/13/2021
Hexachlorobenzene	118-74-1	0.33	0.33	1.2	6	12	3.2	0.065 U	0.062 U	0.058 U	0.061 U	0.058 U	0.055 U	0.058 U	0.08 U	0.058 U	0.051 U
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC	0.061 U	0.058 U	0.055 U	0.058 U	0.055 U	0.052 U	0.054 U	0.075 U	0.054 U	0.048 U
Hexachlorocyclopentadiene	77-47-4	NC	NC	NC	NC	NC	NC	0.2 U	0.19 U	0.18 U	0.19 U	0.18 U	0.17 U	0.18 U	0.25 U	0.18 U	0.16 U
Hexachloroethane	67-72-1	NC	NC	NC	NC	NC	NC	0.057 U	0.054 U	0.051 U	0.054 U	0.051 U	0.048 U	0.051 U	0.07 U	0.051 U	0.045 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.5	0.5	0.5	5.6	11	8.2	**1.7**	0.1 U	0.098 U	0.1 U	0.098 U	0.091 U	0.096 U	0.13 U	**0.36**	**0.14 J**
Isophorone	78-59-1	NC	100[CP]	NC	NC	NC	4.4[CP]	0.08 U	0.076 U	0.072 U	0.076 U	0.072 U	0.067 U	0.071 U	0.098 U	0.071 U	0.063 U
Naphthalene	91-20-3	12	100	100	500	1000	12	0.065 U	0.062 U	0.059 U	0.062 U	0.059 U	0.055 U	0.058 U	0.081 U	0.058 U	0.051 U
Nitrobenzene	98-95-3	NC	3.7[CP]	15[CP]	69[CP]	140[CP]	0.17[CP]	0.069 U	0.066 U	0.063 U	0.066 U	0.063 U	0.059 U	0.062 U	0.086 U	0.062 U	0.055 U
N-Nitrosodimethylamine	62-75-9	NC	NC	NC	NC	NC	NC	0.072 U	0.068 U	0.064 U	0.068 U	0.064 U	0.06 U	0.064 U	0.088 U	0.064 U	0.056 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	NC	NC	NC	NC	0.066 U	0.063 U	0.059 U	0.062 U	0.059 U	0.056 U	0.059 U	0.081 U	0.059 U	0.052 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachloronitrobenzene	82-68-8	NC	NC	NC	NC	NC	NC	0.08 U	0.077 U	0.072 U	0.076 U	0.072 U	0.068 U	0.071 U	0.099 U	0.071 U	0.063 U
Pentachlorophenol	87-86-5	0.8	2.4	6.7	6.7	55	0.8	0.21 U	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U	0.19 U	0.26 U	0.19 U	0.16 U
Phenanthrene	85-01-8	100	100	100	500	1000	1000	**2.2**	0.072 U	0.068 U	0.071 U	0.068 U	0.064 U	0.067 U	0.093 U	**0.14 J**	**0.11 J**
Phenol	108-95-2	0.33	100	100	500	1000	0.33	0.068 U	0.065 U	0.061 U	0.064 U	0.061 U	0.057 U	0.06 U	0.084 U	0.06 U	0.054 U
Pyrene	129-00-0	100	100	100	500	1000	1000	**3.9**	0.073 U	0.069 U	0.072 U	0.069 U	0.064 U	0.068 U	0.094 U	**0.58**	**0.32**
Pyridine	110-86-1	NC	NC	NC	NC	NC	NC	0.049 U	0.047 U	0.044 U	0.046 U	0.044 U	0.041 U	0.043 U	0.06 U	0.043 U	0.038 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1	NA	NA	NA	NA	0.0017 U	0.0016 U	NA	NA	NA	0.0016 U

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
NA - Not Analyzed
R- Rejected. The data are unusable. The analyte may or may not be present.
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
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[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-2C
Near-Surface Soil Analytical Data - Inorganics
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

								Location ID:	SB12-01	SB12-02	SB12-04	SB12-04	SB12-20	SB12-21	SB12-43	SSB-02	SSB-04
								Sample ID:	SS12-01(0-4)	SS12-02(0-4)	SS12-03(0-4)	SS12-04(0-0.5)	SB12-20(0-2)	SB12-21 (0-1)	SB12-43 (1-2)	SSB-02-2-12-121321	SSB-04-2-12-121321
								Start Depth (in bgs):	0	0	0	0	0	0	12	2	2
								End Depth (in bgs):	4	4	4	6	24	12	24	12	12
								Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	11/9/2012	12/13/2021	12/13/2021
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]									
Aluminum	7429-90-5	NC	NC	NC	NC	NC	NC		**20000**	**19000**	**16000**	**13000**	**12000**	**12000**	**20000**	**4800**	**11000**
Antimony	7440-36-0	NC	NC	NC	NC	NC	NC		2.9 UJ	3 UJ	2.9 UJ	3.2 UJ	2.8 UJ	2.9 UJ	3.1 UJ	0.72 U	0.89 U
Arsenic	7440-38-2	13	16	16	16	16	16		2.9 U	3 U	2.9 U	3.2 U	2.8 U	2.9 U	3.1 U	**6.0**	**7.5**
Barium	7440-39-3	350	350	400	400	10000	820		**150 J**	**180 J**	**110 J**	**100 J**	**99**	**77**	**220**	**29**	**77**
Beryllium	7440-41-7	7.2	14	72	590	2700	47		**0.29 J**	0.3 U	0.29 U	0.32 U	0.28 U	**0.29 J**	0.31 U	**0.32**	**0.62**
Cadmium	7440-43-9	2.5	2.5	4.3	9.3	60	7.5		**0.44**	**0.32**	**0.39**	**0.44**	**0.28 J**	**0.41**	**0.33**	0.19 U	**0.27 J**
Calcium	7440-70-2	NC	NC	NC	NC	NC	NC		**4700**	**3800**	**4300**	**4200**	**61000 D**	**12000**	**6100 J**	**150000 D**	**190000 D**
Chromium	7440-47-3	30	36	180	1500	6800	NC		**22**	**22**	**19**	**17**	**15**	**17**	**28**	**6.0**	**12**
Cobalt	7440-48-4	NC	30[CP]	NC	NC	NC	NC		**16**	**11**	**8.5**	**7.6**	**7.5**	**6.6**	**14**	**2.1**	**4.8**
Copper	7440-50-8	50	270	270	270	10000	1720		**13 J**	**19 J**	**14 J**	**17 J**	**12 J**	**24 J**	**24**	**14**	**6.7**
Iron	7439-89-6	NC	2000[CP]	NC	NC	NC	NC		**24000**	**30000 D**	**20000**	**18000**	**20000**	**16000**	**26000**	**7300**	**13000**
Lead	7439-92-1	63	400	400	1000	3900	450		**19**	**9**	**11**	**16**	**5.1**	**31**	**7.4**	**7.1**	**23**
Magnesium	7439-95-4	NC	NC	NC	NC	NC	NC		**4300**	**5200**	**3900**	**3500**	**4800**	**3200**	**7800**	**6700**	**3500**
Manganese	7439-96-5	1600	2000	2000	10000	10000	2000		**1200 J**	**460 J**	**610 J**	**670 J**	**290 J**	**590 J**	**610**	**320**	**540**
Mercury	7439-97-6	0.18	0.81	0.81	2.8	5.7	0.73		**0.036**	**0.03 J**	**0.037**	**0.063**	**0.039**	**0.19**	**0.032 J**	**0.018 J**	**0.063**
Nickel	7440-02-0	30	140	310	310	10000	130		**15**	**18**	**13**	**12**	**11**	**11**	**25**	**5.0**	**8.4**
Potassium	7440-09-7	NC	NC	NC	NC	NC	NC		**1600**	**2100**	**1300**	**1400**	**2100**	**1600**	**3000**	**940 D**	**990 JD**
Selenium	7782-49-2	3.9	36	180	1500	6800	4		2.9 U	3 U	2.9 U	3.2 U	2.8 U	2.9 U	3.1 U	1.3 U	1.6 U
Silver	7440-22-4	2	36	180	1500	6800	8.3		0.59 U	0.61 U	0.57 U	0.64 U	0.56 U	0.57 U	0.62 U	0.17 U	0.2 U
Sodium	7440-23-5	NC	NC	NC	NC	NC	NC		**210**	**300**	**110 J**	**130 J**	**190**	**110 J**	**390**	**110 J**	**91 J**
Thallium	7440-28-0	NC	NC	NC	NC	NC	NC		2.9 U	3 U	2.9 U	3.2 U	2.8 U	2.9 U	3.1 U	0.88 U	1.1 U
Vanadium	7440-62-2	NC	100[CP]	NC	NC	NC	NC		**37**	**36**	**31**	**28**	**27**	**23**	**45**	**8.6**	**20**
Zinc	7440-66-6	109	2200	10000	10000	10000	2480		**65 J**	**49 J**	**51 J**	**57 J**	**35 J**	**77 J**	**64**	**56**	**41**
Cyanide (Amenable)	57-12-5	27	27	27	27	10000	40		0.56 U	0.55 U	0.5 U	**0.59 J**	0.48 U	0.58 U	0.4 U	0.35 U	0.49 U

Notes:
All units in milligrams per kilogram (mg/kg)
D - Sample diluted for analysis
JD - Sample diluted for analysis. The reported quanitation limit is an estimate.
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds CP-51 Supplemental Residential SCO
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
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[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
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[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-2C
Near-Surface Soil Analytical Data - Inorganics
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SSB-06	SSB-08	SSB-09	SSB-09	SSB-12
							Sample ID:	SSB-06-2-12-121421	SSB-08-2-12-121421	X-1-121421	SSB-09-2-12-121421	SSB-12-2-12-121321
							Start Depth (in bgs):	2	2	2	2	2
							End Depth (in bgs):	12	12	12	12	12
							Sample Date:	12/14/2021	12/14/2021	12/14/2021	12/14/2021	12/13/2021
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]					
Aluminum	7429-90-5	NC	NC	NC	NC	NC	NC	**16000**	**18000**	**14000**	**14000**	**5500**
Antimony	7440-36-0	NC	NC	NC	NC	NC	NC	0.81 U	0.82 U	0.83 U	0.77 U	**0.97 J**
Arsenic	7440-38-2	13	16	16	16	16	16	3.0 J	**3.3 J**	**3.3 J**	**3.0 J**	1.3 U
Barium	7440-39-3	350	350	400	400	10000	820	**88**	**100**	**96**	**110**	**140**
Beryllium	7440-41-7	7.2	14	72	590	2700	47	**0.78**	**0.81**	**0.72**	**0.74**	**0.24**
Cadmium	7440-43-9	2.5	2.5	4.3	9.3	60	7.5	0.2 U	**0.28 J**	0.21 U	0.19 U	**0.19 U**
Calcium	7440-70-2	NC	NC	NC	NC	NC	NC	**2100**	**2900**	**32000 D**	**13000**	**220000 D**
Chromium	7440-47-3	30	36	180	1500	6800	NC	**18**	**20**	**16**	**18**	**13**
Cobalt	7440-48-4	NC	30[CP]	NC	NC	NC	NC	**8.6**	**8.7**	**6.6**	**7.0**	**1.8 J**
Copper	7440-50-8	50	270	270	270	10000	1720	**10**	**14**	**12**	**14**	**2.2**
Iron	7439-89-6	NC	2000[CP]	NC	NC	NC	NC	**23000 D**	**26000 D**	**17000**	**24000 D**	**5600**
Lead	7439-92-1	63	400	400	1000	3900	450	**16**	**29**	**11**	**8.0**	**6.3**
Magnesium	7439-95-4	NC	NC	NC	NC	NC	NC	**3700**	**3900**	**4100**	**6000**	**6200**
Manganese	7439-96-5	1600	2000	2000	10000	10000	2000	**420**	**580**	**410**	**430**	**290**
Mercury	7439-97-6	0.18	0.81	0.81	2.8	5.7	0.73	**0.037**	**0.054**	**0.033**	**0.015 J**	**0.020 J**
Nickel	7440-02-0	30	140	310	310	10000	130	**13**	**14**	**13**	**15**	**3.9**
Potassium	7440-09-7	NC	NC	NC	NC	NC	NC	**1500 D**	**1700 D**	**1800 D**	**2100 D**	**710**
Selenium	7782-49-2	3.9	36	180	1500	6800	4	1.4 U	1.4 U	1.5 U	1.4 U	1.3 U
Silver	7440-22-4	2	36	180	1500	6800	8.3	0.18 U	0.19 U	0.19 U	0.17 U	0.17 U
Sodium	7440-23-5	NC	NC	NC	NC	NC	NC	**81 J**	79 U	**99 J**	**180 J**	**100 J**
Thallium	7440-28-0	NC	NC	NC	NC	NC	NC	0.96 U	0.98 U	**1.6 J**	**1.3 J**	0.87 U
Vanadium	7440-62-2	NC	100[CP]	NC	NC	NC	NC	**32**	**35**	**25**	**28**	**23**
Zinc	7440-66-6	109	2200	10000	10000	10000	2480	**53**	**66**	**46**	**44**	**42**
Cyanide (Amenable)	57-12-5	27	27	27	27	10000	40	0.39 U	0.4 U	0.41 U	0.36 U	0.32 U

Notes:
All units in milligrams per kilogram (mg/kg)
D - Sample diluted for analysis
JD - Sample diluted for analysis. The reported quanitation limit is an estimate.
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds CP-51 Supplemental Residential SCO
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
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[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-2D
Near-Surface Soil Analytical Data - Polychlorinated Biphenyls
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

								Location ID:	SB12-01	SB12-02	SB12-04	SB12-04	SB12-20	SB12-21	SB12-43
								Sample ID:	SS12-01(0-4)	SS12-02(0-4)	SS12-03(0-4)	SS12-04(0-0.5)	SB12-20(0-2)	SB12-21 (0-1)	SB12-43 (1-2)
								Start Depth (in bgs):	0	0	0	0	0	0	12
								End Depth (in bgs):	4	4	4	6	24	12	24
								Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	11/9/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]							
Aroclor 1268	11100-14-4	0.1	1	1	1	25	3.2	0.024 U	0.024 U	0.023 U	0.027 U	0.022 U	0.024 U	0.024 U
Aroclor-1016	12674-11-2	0.1	1	1	1	25	3.2	0.024 U	0.024 U	0.023 U	0.027 U	0.022 U	0.024 U	0.024 U
Aroclor-1221	11104-28-2	0.1	1	1	1	25	3.2	0.024 U	0.024 U	0.023 U	0.027 U	0.022 U	0.024 U	0.024 U
Aroclor-1232	11141-16-5	0.1	1	1	1	25	3.2	0.024 U	0.024 U	0.023 U	0.027 U	0.022 U	0.024 U	0.024 U
Aroclor-1242	53469-21-9	0.1	1	1	1	25	3.2	0.024 U	0.024 U	0.023 U	0.027 U	0.022 U	0.024 U	0.024 U
Aroclor-1248	12672-29-6	0.1	1	1	1	25	3.2	0.024 U	0.024 U	0.023 U	0.027 U	0.022 U	0.024 U	0.024 U
Aroclor-1254	11097-69-1	0.1	1	1	1	25	3.2	0.024 U	0.024 U	0.023 U	0.027 U	0.022 U	0.024 U	0.024 U
Aroclor-1260	11096-82-5	0.1	1	1	1	25	3.2	0.024 U	0.024 U	0.023 U	0.027 U	0.022 U	0.024 U	0.024 U
Aroclor-1262	37324-23-5	0.1	1	1	1	25	3.2	0.024 U	0.024 U	0.023 U	0.027 U	0.022 U	0.024 U	0.024 U
Total PCBs	NA	0.1	1	1	1	25	3.2	ND	ND	ND	ND	ND	ND	ND

Notes:
All units in milligrams per kilogram (mg/kg)
ND - Not Detected
U - Not detected at the detection limit shown,

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
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	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
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	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-2D
Near-Surface Soil Analytical Data - Polychlorinated Biphenyls
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

								Location ID:	SSB-02	SSB-04	SSB-06	SSB-08	SSB-09	SSB-09	SSB-12
								Sample ID:	SSB-02-2-12-121321	SSB-04-2-12-121321	SSB-06-2-12-121421	SSB-08-2-12-121421	X-1-121421	SSB-09-2-12-121421	SSB-12-2-12-121321
								Start Depth (in bgs):	2	2	2	2	2	2	2
								End Depth (in bgs):	12	12	12	12	12	12	12
								Sample Date:	12/13/2021	12/13/2021	12/14/2021	12/14/2021	12/14/2021	12/14/2021	12/13/2021
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]							
Aroclor 1268	11100-14-4	0.1	1	1	1	25	3.2	0.035 U	0.045 U	0.041 U	0.041 U	0.04 U	0.038 U	0.035 U
Aroclor-1016	12674-11-2	0.1	1	1	1	25	3.2	0.053 U	0.068 U	0.061 U	0.061 U	0.06 U	0.057 U	0.053 U
Aroclor-1221	11104-28-2	0.1	1	1	1	25	3.2	0.058 U	0.073 U	0.066 U	0.066 U	0.065 U	0.062 U	0.058 U
Aroclor-1232	11141-16-5	0.1	1	1	1	25	3.2	0.04 U	0.051 U	0.046 U	0.046 U	0.045 U	0.043 U	0.04 U
Aroclor-1242	53469-21-9	0.1	1	1	1	25	3.2	0.044 U	0.056 U	0.051 U	0.051 U	0.05 U	0.047 U	0.044 U
Aroclor-1248	12672-29-6	0.1	1	1	1	25	3.2	0.053 U	0.068 U	0.061 U	0.061 U	0.06 U	0.057 U	0.053 U
Aroclor-1254	11097-69-1	0.1	1	1	1	25	3.2	0.058 U	0.073 U	0.066 U	0.066 U	0.065 U	0.062 U	0.058 U
Aroclor-1260	11096-82-5	0.1	1	1	1	25	3.2	0.062 U	0.079 U	0.071 U	0.071 U	0.07 U	0.066 U	0.062 U
Aroclor-1262	37324-23-5	0.1	1	1	1	25	3.2	0.044 U	0.056 U	0.051 U	0.051 U	0.05 U	0.047 U	0.044 U
Total PCBs	NA	0.1	1	1	1	25	3.2	ND	ND	ND	ND	ND	ND	ND

Notes:
All units in milligrams per kilogram (mg/kg)
ND - Not Detected
U - Not detected at the detection limit shown,

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

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Table 5-2E
Near-Surface Soil Analytical Data - Pesticides
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-01	SB12-02	SB12-04	SB12-04	SB12-20	SB12-21	SB12-43
							Sample ID:	SS12-01(0-4)	SS12-02(0-4)	SS12-03(0-4)	SS12-04(0-0.5)	SB12-20(0-2)	SB12-21 (0-1)	SB12-43 (1-2)
							Start Depth (in bgs):	0	0	0	0	0	0	12
							End Depth (in bgs):	4	4	4	6	24	12	24
							Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	11/9/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]							
4-4-DDD	72-54-8	0.0033	2.6	13	92	180	14	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
4-4-DDE	72-55-9	0.0033	1.8	8.9	62	120	17	0.0012 U	0.0012 U	0.0011 U	0.0013 U	0.0011 U	0.0012 U	0.0012 U
4-4-DDT	50-29-3	0.0033	1.7	7.9	47	94	136	0.0012 UJ	0.0012 UJ	0.0011 UJ	0.0013 UJ	0.0011 UJ	0.0012 UJ	0.0012 UJ
a-BHC	319-84-6	0.02	0.097	0.48	3.4	6.8	0.02	0.0061 U	0.0061 U	0.0056 U	0.0067 U	0.0055 U	0.0061 U	0.0061 U
Alachlor	15972-60-8	NC	NC	NC	NC	NC	NC	0.024 U	0.024 U	0.023 U	0.027 U	0.022 U	0.024 U	0.024 U
Aldrin	309-00-2	0.005	0.019	0.097	0.68	1.4	0.19	0.0024 U	0.0024 U	0.0023 U	0.0027 U	0.0022 U	0.0024 U	0.0024 U
b-BHC	319-85-7	0.036	0.072	0.36	3	14	0.09	0.0061 U	0.0061 U	0.0056 U	0.0067 U	0.0055 U	0.0061 U	0.0061 U
Chlordane	57-74-9	NC	NC	NC	NC	NC	NC	0.024 U	0.024 U	0.023 U	0.027 U	0.022 U	0.024 U	0.024 U
d-BHC	319-86-8	0.04	100	100	500	1000	0.25	0.0061 U	0.0061 U	0.0056 U	0.0067 U	0.0055 U	0.0061 U	0.0061 U
Dieldrin	60-57-1	0.005	0.039	0.2	1.4	2.8	0.1	0.0024 U	0.0024 U	0.0023 U	0.0027 U	0.0022 U	0.0024 U	0.0024 U
Endosulfan I	959-98-8	2.4	4.8	24	200	920	102	0.0061 U	0.0061 U	0.0056 U	0.0067 U	0.0055 U	0.0061 U	0.0061 U
Endosulfan II	33213-65-9	2.4	4.8	24	200	920	102	0.0097 U	0.0097 U	0.009 U	0.011 U	0.0088 U	0.0098 U	0.0097 U
Endosulfan Sulfate	1031-07-8	2.4	4.8	24	200	920	1000	0.0097 U	0.0097 U	0.009 U	0.011 U	0.0088 U	0.0098 U	0.0097 U
Endrin	72-20-8	0.014	2.2	11	89	410	0.06	0.0097 UJ	0.0097 UJ	0.009 UJ	0.011 UJ	0.0088 UJ	0.0098 UJ	0.0097 UJ
Endrin Aldehyde	7421-93-4	NC	NC	NC	NC	NC	NC	0.0097 U	0.0097 U	0.009 U	0.011 U	0.0088 U	0.0098 U	0.0097 U
Endrin Ketone	53494-70-5	NC	NC	NC	NC	NC	NC	0.0097 U	0.0097 U	0.009 U	0.011 U	0.0088 U	0.0098 U	0.0097 U
Heptachlor	76-44-8	0.042	0.42	2.1	15	29	0.38	0.0061 U	0.0061 U	0.0056 U	0.0067 U	0.0055 U	0.0061 U	0.0061 U
Heptachlor Epoxide	1024-57-3	NC	0.77[CP]	NC	NC	NC	0.02[CP]	0.0061 U	0.0061 U	0.0056 U	0.0067 U	0.0055 U	0.0061 U	0.0061 U
Hexachlorobenzene	118-74-1	0.33	0.33	1.2	6	12	3.2	0.0073 U	0.0073 U	0.0068 U	0.008 U	0.0066 U	0.0073 U	0.0073 U
Lindane	58-89-9	0.1	0.28	1.3	9.2	23	0.1	0.0024 U	0.0024 U	0.0023 U	0.0027 U	0.0022 U	0.0024 U	0.0024 U
Methoxychlor	72-43-5	NC	100[CP]	NC	NC	NC	900[CP]	0.061 U	0.061 U	0.056 U	0.067 U	0.055 U	0.061 U	0.061 U
Toxaphene	8001-35-2	NC	NC	NC	NC	NC	NC	0.12 U	0.12 U	0.11 U	0.13 U	0.11 U	0.12 U	0.12 U

Notes:
All units in milligrams per kilogram (mg/kg)
NC - No criteria established
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
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Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
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[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-2F
Near-Suface Soil Analytical Data - Per and Polyfluoroalkyl Substances
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SSB-08	SSB-09	SSB-09	SSB-12
							Sample ID:	SSB-08-2-12-121421	SSB-09-2-12-121421	X-1-121421	SSB-12-2-12-121321
							Start Depth (in bgs):	2	2	2	2
							End Depth (in bgs):	12	12	12	12
							Sample Date:	12/14/2021	12/14/2021	12/14/2021	12/13/2021
Chemical Name	CAS No.	CP-51 Unrestricted[1]	CP-51 Residential[1]	CP-51 Restricted-Residential[1]	CP-51 Commercial[1]	CP-51 Industrial[1]	CP-51 GW Protection[1]				
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9	NC	NC	NC	NC	NC	NC	0.00015 U	0.00014 U	0.00014 U	0.00014 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	NC	NC	NC	NC	NC	NC	0.00014 U	0.00013 U	0.00013 U	0.00013 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	NC	NC	NC	NC	NC	NC	0.00012 U	0.00011 U	0.00011 U	0.00011 U
Perfluoro(2-methyl-3-oxahexanoic) acid	13252-13-6	NC	NC	NC	NC	NC	NC	0.00026 U	0.00024 U	0.00024 U	0.00023 U
9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid	756426-58-1	NC	NC	NC	NC	NC	NC	0.00013 U	0.00012 U	0.00013 U	0.00012 U
4,8-Dioxa-3H-perfluorononanoic acid	919005-14-4	NC	NC	NC	NC	NC	NC	0.00017 U	0.00016 U	0.00016 U	0.00015 U
2-(N-Ethylperfluorooctanesulfonamido)acetic acid (NEtFOSAA)	D5-NETFOSAA	NC	NC	NC	NC	NC	NC	0.00015 U	0.00014 U	0.00014 U	0.00014 U
2-(N-methylperfluorooctanesulfonamido)acetic acid (NMeFOSAA)	D3-NMEFOSAA	NC	NC	NC	NC	NC	NC	0.000097 U	0.00009 U	0.000091 U	0.000088 U
Nonafluoro-3,6-dioxaheptanoic acid	151772-58-6	NC	NC	NC	NC	NC	NC	0.000083 U	0.000077 U	0.000078 U	0.000075 U
Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	NC	NC	NC	NC	NC	NC	0.000088 U	0.000081 U	0.000082 U	0.00008 U
Perfluoro-1-butanesulfonamide (FBSA)	30334-69-1	NC	NC	NC	NC	NC	NC	0.00017 U	0.00016 U	0.00016 U	0.00015 U
Perfluoro-1-hexanesulfonamide (FHxSA)	41997-13-1	NC	NC	NC	NC	NC	NC	0.00016 U	0.00015 U	0.00015 U	0.00015 U
Perfluoro-3-methoxypropanoic acid	377-73-1	NC	NC	NC	NC	NC	NC	0.0001 U	0.000093 U	0.000094 U	0.000091 U
Perfluoro-4-methoxybutanoic acid	863090-89-5	NC	NC	NC	NC	NC	NC	0.000098 U	0.000091 U	0.000092 U	0.000089 U
Perfluorobutanesulfonic acid (PFBS)	375-73-5	NC	NC	NC	NC	NC	NC	0.000082 U	0.000076 U	0.000076 U	0.000074 U
Perfluorobutanoic acid (PFBA)	375-22-4	NC	NC	NC	NC	NC	NC	**0.00025 J**	**0.00027 J**	**0.00020 J**	0.000064 U
Perfluorodecanesulfonic acid (PFDS)	335-77-3	NC	NC	NC	NC	NC	NC	0.00012 U	0.00012 U	0.00012 U	0.00011 U
Perfluorodecanoic acid (PFDA)	335-76-2	NC	NC	NC	NC	NC	NC	0.000069 U	0.000064 U	0.000064 U	0.000062 U
Perfluorododecanoic acid (PFDoA)	307-55-1	NC	NC	NC	NC	NC	NC	0.000082 U	0.000076 U	0.000076 U	0.000074 U
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	NC	NC	NC	NC	NC	NC	0.00016 U	0.00015 U	0.00015 U	0.00015 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NC	NC	NC	NC	NC	NC	**0.00011 J**	**0.00010 J**	**0.000083 J**	0.00007 U
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	NC	NC	NC	NC	NC	NC	0.000085 U	0.000079 U	0.00008 U	0.000077 U
Perfluorohexanoic acid (PFHxA)	307-24-4	NC	NC	NC	NC	NC	NC	0.0001 U	0.000092 U	0.000093 U	0.00009 U
Perfluorononanesulfonic Acid (PFNS)	68259-12-1	NC	NC	NC	NC	NC	NC	0.00014 U	0.00013 U	0.00014 U	0.00013 U
Perfluorononanoic acid (PFNA)	375-95-1	NC	NC	NC	NC	NC	NC	0.000088 U	**0.00014 J**	**0.00015 J**	0.00008 U
Perfluorooctane sulfonamide (FOSA)	754-91-6	NC	NC	NC	NC	NC	NC	0.0001 U	0.000097 U	0.000097 U	0.000095 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	0.00088	0.0088	0.044	0.44	0.44	0.001	**0.00019 J**	**0.00035 J**	**0.00024 J**	**0.000094 J**
Perfluorooctanoic acid (PFOA)	335-67-1	0.00066	0.0066	0.033	0.5	0.6	0.0008	**0.00028 J**	**0.00039 J**	**0.00029 J**	0.00014 U
Perfluoropentanesulfonic Acid (PFPeS)	2706-91-4	NC	NC	NC	NC	NC	NC	0.000078 U	0.000073 U	0.000073 U	0.000071 U
Perfluoropentanoic acid (PFPeA)	2706-90-3	NC	NC	NC	NC	NC	NC	**0.000085 J**	**0.000076 J**	**0.000083 J**	0.000074 U
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	NC	NC	NC	NC	NC	NC	0.0001 U	0.000094 U	0.000095 U	0.000092 U
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	NC	NC	NC	NC	NC	NC	0.00012 U	0.00011 U	0.00011 U	0.00011 U
Perfluoroundecanoic acid (PFUnA)	2058-94-8	NC	NC	NC	NC	NC	NC	0.000097 U	0.00009 U	0.000091 U	0.000088 U
4:2 Fluorotelomer sulfonic acid	757124-72-4	NC	NC	NC	NC	NC	NC	0.000098 U	0.000091 U	0.000092 U	0.000089 U

Notes:
All units in milligrams per kilogram (mg/kg)
J - Estimated value
NC - No criteria exists, NA - Not Analyzed,
U - Not detected at the detection limit shown,

Exceeds NYS CP-51 Unrestricted SCOs
Exceeds NYS CP-51 Unrestricted and Residential SCOs
Exceeds NYS CP-51 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS CP-51 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS CP-51 Unrestricted and GW Protection SCOs
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Exceeds NYS CP-51 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
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Exceeds NYS CP-51 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
Exceeds NYS CP-51 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1]= CP-51, Soil Guidance Values for Per and Polyfluoralkyl Substances (PFAS), October 21, 2010 with updates.

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Table 5-3
Summary Statistics for Constituents Detected in Subsurface Soil
Former Bomax Manufacturing
Site No. 623009
Watertown, New York

Detected Constituent	CAS Number	Detected Concentration Range	Geomean Detected Concentration	Frequency of Detections	Frequency of Detections Above Part 375 Unrestricted SCOs	Frequency of Detections Above Part 375 Residential SCOs	Frequency of Detections Above Part 375 Restricted-Residential SCOs	Frequency of Detections Above Part 375 Commercial SCOs	Frequency of Detections Above Part 375 Industrial SCOs	Frequency of Detections Above Part 375 Protection of GW SCOs
VOCs (mg/kg)										
1,1,1-Trichloroethane	71-55-6	0.0024 J - 0.016	0.006	6 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
1,1-Dichloroethane	75-34-3	0.0023 J - 0.0073	0.003	4 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
1,1-Dichloroethene	75-35-4	ND - 0.0043 J	0.0043 J	1 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Acetone	67-64-1	0.076 J - 15 J	0.206	28 / 44	28 / 44	0 / 44	0 / 44	0 / 44	0 / 44	29 / 44
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	ND - 0.016 J	0.016 J	1 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Ethyl ether	60-29-7	0.018 J - 0.026 J	0.023 J	16 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Methylene Chloride	75-09-2	0.019 J - 0.047	0.024	29 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Naphthalene	91-20-3	ND - 0.004 J	0.004 J	1 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Tetrachloroethene	127-18-4	ND - 0.0042	0.0042	1 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
SVOCs (mg/kg)										
Acenaphthene	83-32-9	ND - 0.66	0.66	1 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Acenaphthylene	208-96-8	ND - 0.22 J	0.22 J	1 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Anthracene	120-12-7	0.25 - 2	0.56	3 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Benzo[a]anthracene	56-55-3	0.22 J - 6.6	0.90	5 / 44	3 / 44	3 / 44	3 / 44	1 / 44	0 / 44	3 / 44
Benzo[a]pyrene	50-32-8	0.22 J - 5.4	0.87	5 / 44	3 / 44	3 / 44	3 / 44	3 / 44	0 / 44	3 / 44
Benzo[b]fluoranthene	205-99-2	0.23 - 6.4	1.04	5 / 44	3 / 44	3 / 44	3 / 44	1 / 44	0 / 44	3 / 44
Benzo[g,h,i]perylene	191-24-2	0.22 J - 3.9	0.72	5 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Benzo[k]fluoranthene	207-08-9	0.58 - 2.4	1.04	3 / 44	2 / 44	1 / 44	0 / 44	0 / 44	0 / 44	1 / 44
Bis(2-Ethylhexyl)phthalate	117-81-7	ND - 0.45 J	0.45 J	1 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Carbazole	86-74-8	0.36 J - 1.2	0.66	2 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Chrysene	218-01-9	0.22 J - 6.5	0.94	5 / 44	3 / 44	3 / 44	1 / 44	0 / 44	0 / 44	3 / 44
Dibenzo[a,h]Anthracene	53-70-3	0.22 - 1.2	0.46	3 / 44	2 / 44	2 / 44	2 / 44	1 / 44	1 / 44	1 / 44
Dibenzofuran	132-64-9	ND - 0.77 J	0.77 J	1 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Fluoranthene	206-44-0	0.22 J - 13	1.23	6 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Fluorene	86-73-7	ND - 0.75	0.75	1 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Indeno[1,2,3-cd]pyrene	193-39-5	0.22 J - 4.1	0.76	5 / 44	3 / 44	3 / 44	3 / 44	0 / 44	0 / 44	0 / 44
Phenanthrene	85-01-8	0.22 J - 6.4	1.05	4 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Pyrene	129-00-0	0.26 - 9	1.37	5 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Inorganics (mg/kg)										
Aluminum	7429-90-5	2900 - 38000	15,461	44 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Arsenic	7440-38-2	2.8 J - 20	7.7	10 / 44	2 / 44	1 / 44	1 / 44	1 / 44	1 / 44	1 / 44
Barium	7440-39-3	18 - 280	113	44 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Beryllium	7440-41-7	0.25 J - 1.10	0.36	34 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Cadmium	7440-43-9	0.25 J - 1.10	0.35	44 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Calcium	7440-70-2	2100 - 290000	10,628	44 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Chromium	7440-47-3	4.3 - 37	18.4	44 / 44	6 / 44	1 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Cobalt	7440-48-4	2.5 - 19	8.9	44 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Copper	7440-50-8	2.5 - 53 J	12.6	44 / 44	1 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Cyanide	57-12-5	0.38 J - 2	0.61	19 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Iron	7439-89-6	4500 - 36000	20,112	44 / 44	0 / 44	44 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Lead	7439-92-1	1.6 - 190	8.4	44 / 44	1 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Magnesium	7439-95-4	2600 - 13000	6,218	44 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Manganese	7439-96-5	230 - 1900	529	44 / 44	1 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Mercury	7439-97-6	0.026 - 0.29	0.038	44 / 44	2 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Nickel	7440-02-0	3.2 - 25	13.6	44 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Potassium	7440-09-7	620 - 4400	1,805	44 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Silver	7440-22-4	ND - 5.7 J	5.7 J	1 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Sodium	7440-23-5	97 - 430	153	44 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Thallium	7440-28-0	2.6 J - 2.9	2.7	3 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Vanadium	7440-62-2	3.2 - 52	28.0	44 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Zinc	7440-66-6	17 - 390 J	51	44 / 44	2 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
PCBs (mg/kg)										
Aroclor 1260	37324-23-5	ND - 0.098	0.098	1 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44
Pesticides (mg/kg)										
4,4-DDT	50-29-3	ND - 0.0037 NJ	0.0037	1 / 44	1 / 44	0 / 44	0 / 44	0 / 44	0 / 44	0 / 44

Notes: ug/Kg - micrograms per kilogram
ug/L - micrograms per liter
J - estimated concentration

Table 5-3A
Subsuface Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-01	SB12-02	SB12-03	SB12-04	SB12-05	SB12-06	SB12-07	SB12-08	SB12-09	SB12-10
							Sample ID:	SB12-01(4-6)	SB12-02(8-12)	SB12-03(0-4)	SB12-04(4-6)	SB12-05(0.5-3.3)	SB12-06(0-3.3)	SB12-07(0-3.9)	SB12-08(0-4)	SB12-09(0-4)	SB12-10(2-4)
							Start Depth (ft bgs):	4	8	0	4	0.5	0	0	0	0	2
							End Depth (ft bgs):	6	12	4	6	3.3	3.3	3.9	4	4	4
							Sample Date:	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/30/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]										
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1000	0.68	0.0025 U	**0.016**	0.0024 U	0.0025 U	0.0021 U	0.0023 U	**0.0072**	0.002 U	0.0023 U	0.0026 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	35[CP]	NC	NC	NC	0.6[CP]	0.0012 U	0.0016 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0013 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.27	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
1,1-Dichloroethene	75-35-4	0.33	100	100	500	1000	0.33	0.005 U	0.0065 U	0.0049 U	0.0049 U	0.0042 U	0.0045 U	0.004 U	0.0041 U	0.0045 U	0.0053 U
1,1-Dichloropropene	563-58-6	NC	NC	NC	NC	NC	NC	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	NC	NC	NC	NC	0.0025 U	0.0032 UJ	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
1,2,3-Trichloropropane	96-18-4	NC	80[CP]	NC	NC	NC	0.34[CP]	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	3.4[CP]	0.0025 U	0.0032 UJ	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	380	3.6	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC	0.0012 U	0.0016 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0013 U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.02	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
1,3,5- Trichlorobenzene	108-70-3	NC	NC	NC	NC	NC	NC	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	380	8.4	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
1,3-Dichloropropane	142-28-9	NC	NC	NC	NC	NC	0.3[CP]	0.0012 U	0.0016 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0013 U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1	R	R	R	R	R	R	R	R	R	R
2,2-Dichloropropane	594-20-7	NC	NC	NC	NC	NC	NC	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
2-Butanone	78-93-3	0.12	100	100	500	1000	0.12	0.05 UJ	0.065 UJ	0.049 UJ	0.049 UJ	0.042 UJ	0.045 UJ	0.04 UJ	0.041 UJ	0.045 UJ	0.053 UJ
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC	0.025 U	0.032 U	0.024 U	0.025 U	0.021 U	0.023 U	0.02 U	0.02 U	0.023 U	0.026 U
4-Isopropyltoluene	99-87-6	NC	NC	NC	NC	NC	10[CP]	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	NC	NC	1[CP]	0.025 U	0.032 U	0.024 U	0.025 U	0.021 U	0.023 U	0.02 U	0.02 U	0.023 U	0.026 U
Acetone	67-64-1	0.05	100	100	500	1000	0.05	**0.28 J**	0.16 UJ	**0.13 J**	**0.12 J**	**0.11 J**	0.11 UJ	**0.1 J**	**0.1 J**	**0.11 J**	**0.13 J**
Acrylonitrile	107-13-1	NC	NC	NC	NC	NC	NC	0.0075 UJ	0.0097 U	0.0073 UJ	0.0074 UJ	0.0063 UJ	0.0068 UJ	0.006 UJ	0.0061 UJ	0.0068 UJ	0.0079 UJ
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.06	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
Bromobenzene	108-86-1	NC	NC	NC	NC	NC	NC	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
Bromochloromethane	74-97-5	NC	NC	NC	NC	NC	NC	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC	0.0025 UJ	0.0032 UJ	0.0024 UJ	0.0025 UJ	0.0021 UJ	0.0023 UJ	0.002 UJ	0.002 UJ	0.0023 UJ	0.0026 UJ
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC	0.012 U	0.016 UJ	0.012 U	0.012 U	0.011 U	0.011 U	0.01 U	0.01 U	0.011 U	0.013 U
Carbon disulfide	75-15-0	NC	100[CP]	NC	NC	NC	2.7[CP]	0.0075 U	0.0097 U	0.0073 U	0.0074 U	0.0063 U	0.0068 U	0.006 U	0.0061 U	0.0068 U	0.0079 U
Carbon Tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.76	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
Chlorobenzene	108-90-7	1.1	100	100	500	1000	1.1	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
Chloroethane	75-00-3	NC	NC	NC	NC	NC	1.9[CP]	0.025 U	0.032 U	0.024 U	0.025 U	0.021 U	0.023 U	0.02 U	0.02 U	0.023 U	0.026 U
Chloroform	67-66-3	0.37	10	49	350	700	0.37	0.005 U	0.0065 U	0.0049 U	0.0049 U	0.0042 U	0.0045 U	0.004 U	0.0041 U	0.0045 U	0.0053 U
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC	0.012 UJ	0.016 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.011 UJ	0.01 UJ	0.01 UJ	0.011 UJ	0.013 UJ
cis-1,2-Dichloroethene	156-59-2	0.25	59	100	500	1000	0.25	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC	0.0012 U	0.0016 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0013 U
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
Dibromomethane	74-95-3	NC	NC	NC	NC	NC	NC	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC	0.025 U	0.032 UJ	0.024 U	0.025 U	0.021 U	0.023 U	0.02 U	0.02 U	0.023 U	0.026 U
Diisopropyl Ether	108-20-3	NC	NC	NC	NC	NC	NC	0.0012 U	0.0016 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0013 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	100[CP]	NC	NC	NC	6[CP]	0.012 U	**0.016 J**	0.012 U	0.012 U	0.011 U	0.011 U	0.01 U	0.01 U	0.011 U	0.013 U
Ethyl ether	60-29-7	NC	NC	NC	NC	NC	NC	**0.025 J**	0.032 U	**0.024 J**	**0.025 J**	**0.021 J**	0.023 U	**0.02 J**	0.02 U	**0.023 J**	**0.026 J**
Ethylbenzene	100-41-4	1	30	41	390	780	1	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC	0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U

Table 5-3A
Subsuface Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

								Location ID:	SB12-01	SB12-02	SB12-03	SB12-04	SB12-05	SB12-06	SB12-07	SB12-08	SB12-09	SB12-10
								Sample ID:	SB12-01(4-6)	SB12-02(8-12)	SB12-03(0-4)	SB12-04(4-6)	SB12-05(0.5-3.3)	SB12-06(0-3.3)	SB12-07(0-3.9)	SB12-08(0-4)	SB12-09(0-4)	SB12-10(2-4)
								Start Depth (ft bgs):	4	8	0	4	0.5	0	0	0	0	2
								End Depth (ft bgs):	6	12	4	6	3.3	3.3	3.9	4	4	4
								Sample Date:	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/30/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]											
Isopropylbenzene	98-82-8	NC	100[CP]	NC	NC	NC	2.3[CP]		0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
m,p-Xylene	179601-23-1	NC	NC	NC	NC	NC	NC		0.005 U	0.0065 U	0.0049 U	0.0049 U	0.0042 U	0.0045 U	0.004 U	0.0041 U	0.0045 U	0.0053 U
Methylene Chloride	75-09-2	0.05	51	100	500	1000	0.05		**0.025 J**	0.032 U	0.024 U	0.025 U	**0.021 J**	**0.023 J**	**0.02 J**	**0.02 J**	**0.023 J**	**0.026 J**
MTBE	1634-04-4	0.93	62	100	500	1000	0.93		0.005 U	0.0065 U	0.0049 U	0.0049 U	0.0042 U	0.0045 U	0.004 U	0.0041 U	0.0045 U	0.0053 U
Naphthalene	91-20-3	12	100	100	500	1000	12		0.005 U	0.0065 UJ	0.0049 U	0.0049 U	0.0042 U	0.0045 U	**0.004 J**	0.0041 U	0.0045 U	0.0053 U
n-Butylbenzene	104-51-8	12	100	100	500	1000	12		0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
n-Propylbenzene	103-65-1	3.9	100	100	500	1000	3.9		0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
o-Chlorotoluene	95-49-8	NC	NC	NC	NC	NC	NC		0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
o-Xylene	95-47-6	NC	NC	NC	NC	NC	NC		0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
p-Chlorotoluene	106-43-4	NC	NC	NC	NC	NC	NC		0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
sec-Butylbenzene	135-98-8	11	100	100	500	1000	11		0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC		0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
t-Butyl alcohol	75-65-0	NC	NC	NC	NC	NC	NC		0.05 UJ	0.065 UJ	0.049 UJ	0.049 UJ	0.042 UJ	0.045 UJ	0.04 UJ	0.041 UJ	0.045 UJ	0.053 UJ
Tert-Amyl Methyl Ether	994-05-8	NC	NC	NC	NC	NC	NC		0.0012 U	0.0016 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0013 U
Tert-Butyl Ethyl Ether	637-92-3	NC	NC	NC	NC	NC	NC		0.0012 U	0.0016 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0013 U
Tert-Butylbenzene	98-06-6	5.9	100	100	500	1000	5.9		0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
Tetrachloroethene	127-18-4	1.3	5.5	19	150	300	1.3		0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
Tetrahydrofuran	109-99-9	NC	NC	NC	NC	NC	NC		0.012 UJ	0.016 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.011 UJ	0.01 UJ	0.01 UJ	0.011 UJ	0.013 UJ
Toluene	108-88-3	0.7	100	100	500	1000	0.7		0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	100	500	1000	0.19		0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC		0.0012 U	0.0016 U	0.0012 U	0.0012 U	0.0011 U	0.0011 U	0.001 U	0.001 U	0.0011 U	0.0013 U
trans-1,4-Dichlorobutene	110-57-6	NC	NC	NC	NC	NC	NC		0.005 UJ	0.0065 UJ	0.0049 UJ	0.0049 UJ	0.0042 UJ	0.0045 UJ	0.004 UJ	0.0041 UJ	0.0045 UJ	0.0053 UJ
Trichloroethene	79-01-6	0.47	10	21	200	400	0.47		0.0025 U	0.0032 U	0.0024 U	0.0025 U	0.0021 U	0.0023 U	0.002 U	0.002 U	0.0023 U	0.0026 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC		0.012 U	0.016 U	0.012 U	0.012 U	0.011 U	0.011 U	0.01 U	0.01 U	0.011 U	0.013 U
Vinyl Chloride	75-01-4	0.02	0.21	0.9	13	27	0.02		0.012 U	0.016 U	0.012 U	0.012 U	0.011 U	0.011 U	0.01 U	0.01 U	0.011 U	0.013 U

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
NA - Not Analyzed
R- Rejected. The data are unusable. The analyte may or may not be present.
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

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Table 5-3A
Subsuface Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-10	SB12-11	SB12-12	SB12-13	SB12-14	SB12-15	SB12-16	SB12-17	SB12-18	SB12-19
							Sample ID:	SB12-FD01	SB12-11(3-4.7)	SB12-12(0-4)	SB12-13(2-4)	SB12-14(0-4)	SB12-15(0-4)	SB12-16(0-4)	SB12-17(0-4)	SB12-18(2-4)	SB12-19(2-4)
							Start Depth (ft bgs):	2	3	0	2	0	0	0	0	2	2
							End Depth (ft bgs):	4	4.7	4	4	4	4	4	4	4	4
							Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]										
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1000	0.68	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	35[CP]	NC	NC	NC	0.6[CP]	0.0011 U	0.0011 U	0.00092 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0012 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.27	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
1,1-Dichloroethene	75-35-4	0.33	100	100	500	1000	0.33	0.0046 U	0.0046 U	0.0037 U	0.0048 U	0.0047 U	0.0045 U	0.004 U	0.0044 U	0.0045 U	0.0046 U
1,1-Dichloropropene	563-58-6	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
1,2,3-Trichloropropane	96-18-4	NC	80[CP]	NC	NC	NC	0.34[CP]	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	3.4[CP]	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	380	3.6	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 UJ	0.002 UJ	0.0022 UJ	0.0023 UJ	0.0023 UJ
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC	0.0011 U	0.0011 U	0.00092 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0012 U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.02	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
1,3,5- Trichlorobenzene	108-70-3	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	380	8.4	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
1,3-Dichloropropane	142-28-9	NC	NC	NC	NC	NC	0.3[CP]	0.0011 U	0.0011 U	0.00092 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0012 U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1	R	R	R	R	R	R	R	R	R	R
2,2-Dichloropropane	594-20-7	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
2-Butanone	78-93-3	0.12	100	100	500	1000	0.12	0.046 UJ	0.046 UJ	0.037 UJ	0.048 UJ	0.047 UJ	0.045 UJ	0.04 UJ	0.044 UJ	0.045 UJ	0.046 UJ
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC	0.023 U	0.023 U	0.018 U	0.024 U	0.023 U	0.023 U	0.02 U	0.022 U	0.023 U	0.023 U
4-Isopropyltoluene	99-87-6	NC	NC	NC	NC	NC	10[CP]	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	NC	NC	1[CP]	0.023 U	0.023 U	0.018 U	0.024 U	0.023 U	0.023 U	0.02 U	0.022 U	0.023 U	0.023 U
Acetone	67-64-1	0.05	100	100	500	1000	0.05	0.11 UJ	**0.11 J**	**0.15 J**	**0.12 J**	**0.12 J**	0.11 UJ	**0.1 J**	**0.11 J**	**0.11 J**	0.12 UJ
Acrylonitrile	107-13-1	NC	NC	NC	NC	NC	NC	0.0068 UJ	0.0069 UJ	0.0055 UJ	0.0073 UJ	0.007 UJ	0.0068 UJ	0.006 UJ	0.0066 UJ	0.0068 UJ	0.007 UJ
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.06	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
Bromobenzene	108-86-1	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
Bromochloromethane	74-97-5	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC	0.0023 UJ	0.0023 UJ	0.0018 UJ	0.0024 UJ	0.0023 UJ	0.0023 UJ	0.002 UJ	0.0022 UJ	0.0023 UJ	0.0023 UJ
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC	0.011 U	0.011 U	0.0092 U	0.012 U	0.012 U	0.011 UJ	0.01 U	0.011 U	0.011 U	0.012 U
Carbon disulfide	75-15-0	NC	100[CP]	NC	NC	NC	2.7[CP]	0.0068 U	0.0069 U	0.0055 U	0.0073 U	0.007 U	0.0068 U	0.006 U	0.0066 U	0.0068 U	0.007 U
Carbon Tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.76	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 UJ	0.002 UJ	0.0022 UJ	0.0023 UJ	0.0023 UJ
Chlorobenzene	108-90-7	1.1	100	100	500	1000	1.1	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
Chloroethane	75-00-3	NC	NC	NC	NC	NC	1.9[CP]	0.023 U	0.023 U	0.018 U	0.024 U	0.023 U	0.023 U	0.02 U	0.022 U	0.023 U	0.023 U
Chloroform	67-66-3	0.37	10	49	350	700	0.37	0.0046 U	0.0046 U	0.0037 U	0.0048 U	0.0047 U	0.0045 U	0.004 U	0.0044 U	0.0045 U	0.0046 U
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC	0.011 U	0.011 UJ	0.0092 UJ	0.012 UJ	0.012 UJ	0.011 U	0.01 U	0.011 U	0.011 U	0.012 U
cis-1,2-Dichloroethene	156-59-2	0.25	59	100	500	1000	0.25	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC	0.0011 U	0.0011 U	0.00092 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0012 U
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
Dibromomethane	74-95-3	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC	0.023 U	0.023 U	0.018 U	0.024 U	0.023 U	0.023 UJ	0.02 U	0.022 U	0.023 U	0.023 U
Diisopropyl Ether	108-20-3	NC	NC	NC	NC	NC	NC	0.0011 U	0.0011 U	0.00092 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0012 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	100[CP]	NC	NC	NC	6[CP]	0.011 U	0.011 U	0.0092 U	0.012 U	0.012 U	0.011 U	0.01 U	0.011 U	0.011 U	0.012 U
Ethyl ether	60-29-7	NC	NC	NC	NC	NC	NC	0.023 U	**0.023 J**	**0.018 J**	**0.024 J**	0.023 U	0.023 U	**0.02 J**	0.022 U	0.023 U	0.023 U
Ethylbenzene	100-41-4	1	30	41	390	780	1	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U

Table 5-3A
Subsuface Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-10	SB12-11	SB12-12	SB12-13	SB12-14	SB12-15	SB12-16	SB12-17	SB12-18	SB12-19
							Sample ID:	SB12-FD01	SB12-11(3-4.7)	SB12-12(0-4)	SB12-13(2-4)	SB12-14(0-4)	SB12-15(0-4)	SB12-16(0-4)	SB12-17(0-4)	SB12-18(2-4)	SB12-19(2-4)
							Start Depth (ft bgs):	2	3	0	2	0	0	0	0	2	2
							End Depth (ft bgs):	4	4.7	4	4	4	4	4	4	4	4
							Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]										
Isopropylbenzene	98-82-8	NC	100[CP]	NC	NC	NC	2.3[CP]	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
m,p-Xylene	179601-23-1	NC	NC	NC	NC	NC	NC	0.0046 U	0.0046 U	0.0037 U	0.0048 U	0.0047 U	0.0045 U	0.004 U	0.0044 U	0.0045 U	0.0046 U
Methylene Chloride	75-09-2	0.05	51	100	500	1000	0.05	**0.023 J**	**0.023 J**	**0.024**	**0.024 J**	0.023 U	0.023 U	0.02 U	0.022 U	0.023 U	0.023 U
MTBE	1634-04-4	0.93	62	100	500	1000	0.93	0.0046 U	0.0046 U	0.0037 U	0.0048 U	0.0047 U	0.0045 U	0.004 U	0.0044 U	0.0045 U	0.0046 U
Naphthalene	91-20-3	12	100	100	500	1000	12	0.0046 U	0.0046 U	0.0037 U	0.0048 U	0.0047 U	0.0045 UJ	0.004 UJ	0.0044 UJ	0.0045 UJ	0.0046 UJ
n-Butylbenzene	104-51-8	12	100	100	500	1000	12	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
n-Propylbenzene	103-65-1	3.9	100	100	500	1000	3.9	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
o-Chlorotoluene	95-49-8	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
o-Xylene	95-47-6	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
p-Chlorotoluene	106-43-4	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
sec-Butylbenzene	135-98-8	11	100	100	500	1000	11	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
t-Butyl alcohol	75-65-0	NC	NC	NC	NC	NC	NC	0.046 UJ	0.046 UJ	0.037 UJ	0.048 UJ	0.047 UJ	0.045 UJ	0.04 UJ	0.044 UJ	0.045 UJ	0.046 UJ
Tert-Amyl Methyl Ether	994-05-8	NC	NC	NC	NC	NC	NC	0.0011 U	0.0011 U	0.00092 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0012 U
Tert-Butyl Ethyl Ether	637-92-3	NC	NC	NC	NC	NC	NC	0.0011 U	0.0011 U	0.00092 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0012 U
Tert-Butylbenzene	98-06-6	5.9	100	100	500	1000	5.9	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
Tetrachloroethene	127-18-4	1.3	5.5	19	150	300	1.3	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
Tetrahydrofuran	109-99-9	NC	NC	NC	NC	NC	NC	0.011 UJ	0.011 UJ	0.0092 UJ	0.012 UJ	0.012 UJ	0.011 UJ	0.01 UJ	0.011 UJ	0.011 UJ	0.012 UJ
Toluene	108-88-3	0.7	100	100	500	1000	0.7	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	100	500	1000	0.19	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC	0.0011 U	0.0011 U	0.00092 U	0.0012 U	0.0012 U	0.0011 U	0.001 U	0.0011 U	0.0011 U	0.0012 U
trans-1,4-Dichlorobutene	110-57-6	NC	NC	NC	NC	NC	NC	0.0046 U	0.0046 UJ	0.0037 UJ	0.0048 UJ	0.0047 UJ	0.0045 UJ	0.004 UJ	0.0044 UJ	0.0045 UJ	0.0046 UJ
Trichloroethene	79-01-6	0.47	10	21	200	400	0.47	0.0023 U	0.0023 U	0.0018 U	0.0024 U	0.0023 U	0.0023 U	0.002 U	0.0022 U	0.0023 U	0.0023 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC	0.011 U	0.011 U	0.0092 U	0.012 U	0.012 U	0.011 U	0.01 U	0.011 U	0.011 U	0.012 U
Vinyl Chloride	75-01-4	0.02	0.21	0.9	13	27	0.02	0.011 U	0.011 U	0.0092 U	0.012 U	0.012 U	0.011 U	0.01 U	0.011 U	0.011 U	0.012 U

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
NA - Not Analyzed
R- Rejected. The data are unusable. The analyte may or may not be present.
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3A
Subsuface Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-22	SB12-23	SB12-24	SB12-25	SB12-26	SB12-27	SB12-28	SB12-29	SB12-30	SB12-30
							Sample ID:	SB12-22(0-3)	SB12-23(4-6)	SB12-24(0-3)	SB12-25 (1-3)	SB12-26 (1-4)	SB12-27 (1-4)	SB12-28 (1-4)	SB12-29 (1-3.7)	SB12-30 (1-3.9)	SB12-FD02
							Start Depth (ft bgs):	0	4	0	1	1	1	1	1	1	1
							End Depth (ft bgs):	3	6	3	3	4	4	4	3.7	3.9	3.9
							Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]										
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1000	0.68	**0.0024 J**	0.002 U	0.0023 U	**0.0071**	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	35[CP]	NC	NC	NC	0.6[CP]	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0013 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.27	0.0024 U	0.002 U	0.0023 U	**0.0023 J**	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
1,1-Dichloroethene	75-35-4	0.33	100	100	500	1000	0.33	0.0047 U	0.0041 U	0.0046 U	0.0046 U	0.0048 U	0.0043 U	0.0046 U	0.0047 U	0.0048 U	0.005 U
1,1-Dichloropropene	563-58-6	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
1,2,3-Trichloropropane	96-18-4	NC	80[CP]	NC	NC	NC	0.34[CP]	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	3.4[CP]	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	380	3.6	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC	0.0024 UJ	0.002 UJ	0.0023 UJ	0.0023 UJ	0.0024 UJ	0.0021 UJ	0.0023 UJ	0.0023 UJ	0.0024 UJ	0.0025 UJ
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0013 U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.02	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
1,3,5- Trichlorobenzene	108-70-3	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	380	8.4	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
1,3-Dichloropropane	142-28-9	NC	NC	NC	NC	NC	0.3[CP]	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0013 U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1	R	R	R	R	R	R	R	R	R	R
2,2-Dichloropropane	594-20-7	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
2-Butanone	78-93-3	0.12	100	100	500	1000	0.12	0.047 UJ	0.041 UJ	0.046 UJ	0.046 UJ	0.048 UJ	0.043 UJ	0.046 UJ	0.047 U	0.048 U	0.05 U
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC	0.024 U	0.02 U	0.023 U	0.023 U	0.024 U	0.021 U	0.023 U	0.023 U	0.024 U	0.025 U
4-Isopropyltoluene	99-87-6	NC	NC	NC	NC	NC	10[CP]	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	NC	NC	1[CP]	0.024 U	0.02 U	0.023 U	0.023 U	0.024 U	0.021 U	0.023 U	0.023 U	0.024 U	0.025 U
Acetone	67-64-1	0.05	100	100	500	1000	0.05	**0.12 J**	**0.13 J**	0.12 UJ	0.11 UJ	0.12 UJ	**15 J**	**0.17 J**	0.12 UJ	**0.62 J**	0.13 UJ
Acrylonitrile	107-13-1	NC	NC	NC	NC	NC	NC	0.0071 UJ	0.0061 UJ	0.007 UJ	0.0068 U	0.0072 U	0.0064 U	0.0069 U	0.007 UJ	0.0072 UJ	0.0075 UJ
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.06	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
Bromobenzene	108-86-1	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
Bromochloromethane	74-97-5	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC	0.0024 UJ	0.002 UJ	0.0023 UJ	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC	0.012 U	0.01 U	0.012 U	0.011 UJ	0.012 UJ	0.011 UJ	0.012 UJ	0.012 UJ	0.012 UJ	0.013 UJ
Carbon disulfide	75-15-0	NC	100[CP]	NC	NC	NC	2.7[CP]	0.0071 U	0.0061 U	0.007 U	0.0068 U	0.0072 U	0.0064 U	0.0069 U	0.007 U	0.0072 U	0.0075 U
Carbon Tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.76	0.0024 UJ	0.002 UJ	0.0023 UJ	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
Chlorobenzene	108-90-7	1.1	100	100	500	1000	1.1	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
Chloroethane	75-00-3	NC	NC	NC	NC	NC	1.9[CP]	0.024 U	0.02 U	0.023 U	0.023 U	0.024 U	0.021 U	0.023 U	0.023 U	0.024 U	0.025 U
Chloroform	67-66-3	0.37	10	49	350	700	0.37	0.0047 U	0.0041 U	0.0046 U	0.0046 U	0.0048 U	0.0043 U	0.0046 U	0.0047 U	0.0048 U	0.005 U
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC	0.012 U	0.01 U	0.012 U	0.011 UJ	0.012 UJ	0.011 UJ	0.012 UJ	0.012 U	0.012 U	0.013 U
cis-1,2-Dichloroethene	156-59-2	0.25	59	100	500	1000	0.25	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0023 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Dibromomethane	74-95-3	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC	0.024 U	0.02 U	0.023 U	0.023 U	0.024 U	0.021 U	0.023 U	0.023 UJ	0.024 U	0.025 U
Diisopropyl Ether	108-20-3	NC	NC	NC	NC	NC	NC	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	100[CP]	NC	NC	NC	6[CP]	0.012 U	0.01 U	0.012 U	0.011 U	0.012 U	0.011 U	0.012 U	0.012 U	0.012 U	0.013 U
Ethyl ether	60-29-7	NC	NC	NC	NC	NC	NC	**0.024 J**	0.02 U	**0.023 J**	**0.023 J**	0.024 U	0.021 U	0.023 U	0.023 U	**0.024 J**	0.025 U
Ethylbenzene	100-41-4	1	30	41	390	780	1	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U

Table 5-3A
Subsuface Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-22	SB12-23	SB12-24	SB12-25	SB12-26	SB12-27	SB12-28	SB12-29	SB12-30	SB12-30
							Sample ID:	SB12-22(0-3)	SB12-23(4-6)	SB12-24(0-3)	SB12-25 (1-3)	SB12-26 (1-4)	SB12-27 (1-4)	SB12-28 (1-4)	SB12-29 (1-3.7)	SB12-30 (1-3.9)	SB12-FD02
							Start Depth (ft bgs):	0	4	0	1	1	1	1	1	1	1
							End Depth (ft bgs):	3	6	3	3	4	4	4	3.7	3.9	3.9
							Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]										
Isopropylbenzene	98-82-8	NC	100[CP]	NC	NC	NC	2.3[CP]	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
m,p-Xylene	179601-23-1	NC	NC	NC	NC	NC	NC	0.0047 U	0.0041 U	0.0046 U	0.0046 U	0.0048 U	0.0043 U	0.0046 U	0.0047 U	0.0048 U	0.005 U
Methylene Chloride	75-09-2	0.05	51	100	500	1000	0.05	**0.024 J**	0.02 U	0.023 U	0.023 U	0.024 U	**0.021 J**	0.023 U	**0.023 J**	**0.033**	0.025 U
MTBE	1634-04-4	0.93	62	100	500	1000	0.93	0.0047 U	0.0041 U	0.0046 U	0.0046 U	0.0048 U	0.0043 U	0.0046 U	0.0047 U	0.0048 U	0.005 U
Naphthalene	91-20-3	12	100	100	500	1000	12	0.0047 UJ	0.0041 UJ	0.0046 UJ	0.0046 U	0.0048 U	0.0043 U	0.0046 U	0.0047 U	0.0048 U	0.005 U
n-Butylbenzene	104-51-8	12	100	100	500	1000	12	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
n-Propylbenzene	103-65-1	3.9	100	100	500	1000	3.9	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
o-Chlorotoluene	95-49-8	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
o-Xylene	95-47-6	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
p-Chlorotoluene	106-43-4	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
sec-Butylbenzene	135-98-8	11	100	100	500	1000	11	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
t-Butyl alcohol	75-65-0	NC	NC	NC	NC	NC	NC	0.047 UJ	0.041 UJ	0.046 UJ	0.046 U	0.048 U	0.043 U	0.046 U	0.047 UJ	0.048 UJ	0.05 UJ
Tert-Amyl Methyl Ether	994-05-8	NC	NC	NC	NC	NC	NC	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Tert-Butyl Ethyl Ether	637-92-3	NC	NC	NC	NC	NC	NC	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0013 U
Tert-Butylbenzene	98-06-6	5.9	100	100	500	1000	5.9	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
Tetrachloroethene	127-18-4	1.3	5.5	19	150	300	1.3	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
Tetrahydrofuran	109-99-9	NC	NC	NC	NC	NC	NC	0.012 UJ	0.01 UJ	0.012 UJ	0.011 U	0.012 U	0.011 U	0.012 U	0.012 UJ	0.012 UJ	0.013 UJ
Toluene	108-88-3	0.7	100	100	500	1000	0.7	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	100	500	1000	0.19	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC	0.0012 U	0.001 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U	0.0013 U
trans-1,4-Dichlorobutene	110-57-6	NC	NC	NC	NC	NC	NC	0.0047 UJ	0.0041 UJ	0.0046 UJ	0.0046 UJ	0.0048 UJ	0.0043 UJ	0.0046 UJ	0.0047 UJ	0.0048 U	0.005 U
Trichloroethene	79-01-6	0.47	10	21	200	400	0.47	0.0024 U	0.002 U	0.0023 U	0.0023 U	0.0024 U	0.0021 U	0.0023 U	0.0023 U	0.0024 U	0.0025 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC	0.012 U	0.01 U	0.012 U	0.011 U	0.012 U	0.011 U	0.012 U	0.012 U	0.012 U	0.013 U
Vinyl Chloride	75-01-4	0.02	0.21	0.9	13	27	0.02	0.012 U	0.01 U	0.012 U	0.011 U	0.012 U	0.011 U	0.012 U	0.012 U	0.012 U	0.013 U

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
NA - Not Analyzed
R- Rejected. The data are unusable. The analyte may or may not be present.
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
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Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
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Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3A
Subsuface Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

								Location ID:	SB12-31	SB12-32	SB12-33	SB12-34	SB12-35	SB12-36	SB12-37	SB12-38	SB12-39	SB12-40
								Sample ID:	SB12-31 (4-6.6)	SB12-32 (1-3.9)	SB12-33 (1-4)	SB12-34 (1-4)	SB12-35 (1-3.8)	SB12-36 (1-4.1)	SB12-37 (2-4.4)	SB12-38 (0-3.8)	SB12-39 (1-4)	SB12-40 (1-3.9)
								Start Depth (ft bgs):	4	1	1	1	1	1	2	0	1	1
								End Depth (ft bgs):	6.6	3.9	4	4	3.8	4.1	4.4	3.8	4	3.9
								Sample Date:	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	11/1/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]											
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1000	0.68		0.0023 U	0.0022 U	**0.0025 J**	0.0024 U	**0.011**	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	35[CP]	NC	NC	NC	0.6[CP]		0.0011 U	0.0011 U	0.0012 U	0.0012 U	0.00095 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.27		**0.0026**	0.0022 U	0.0025 U	0.0024 U	**0.0073**	0.0024 U	0.0022 U	0.0023 U	**0.0026**	0.0021 U
1,1-Dichloroethene	75-35-4	0.33	100	100	500	1000	0.33		0.0046 U	0.0044 U	0.005 U	0.0049 U	0.0038 U	0.0049 U	0.0044 U	0.0046 U	**0.0043 J**	0.0043 U
1,1-Dichloropropene	563-58-6	NC	NC	NC	NC	NC	NC		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	NC	NC	NC	NC		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
1,2,3-Trichloropropane	96-18-4	NC	80[CP]	NC	NC	NC	0.34[CP]		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	3.4[CP]		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	380	3.6		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC		0.0023 UJ	0.0022 UJ	0.0025 UJ	0.0024 UJ	0.0019 UJ	0.0024 UJ	0.0022 UJ	0.0023 UJ	0.0022 UJ	0.0021 UJ
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC		0.0011 U	0.0011 U	0.0012 U	0.0012 U	0.00095 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.02		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
1,3,5- Trichlorobenzene	108-70-3	NC	NC	NC	NC	NC	NC		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	380	8.4		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
1,3-Dichloropropane	142-28-9	NC	NC	NC	NC	NC	0.3[CP]		0.0011 U	0.0011 U	0.0012 U	0.0012 U	0.00095 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1		R	R	R	R	R	R	R	R	R	R
2,2-Dichloropropane	594-20-7	NC	NC	NC	NC	NC	NC		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
2-Butanone	78-93-3	0.12	100	100	500	1000	0.12		0.046 U	0.044 U	0.05 U	0.049 U	0.038 U	0.049 U	0.044 U	0.046 U	0.043 U	0.043 U
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC		0.023 U	0.022 U	0.025 U	0.024 U	0.019 U	0.024 U	0.022 U	0.023 U	0.022 U	0.021 U
4-Isopropyltoluene	99-87-6	NC	NC	NC	NC	NC	10[CP]		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	NC	NC	1[CP]		0.023 U	0.022 U	0.025 U	0.024 U	0.019 U	0.024 U	0.022 U	0.023 U	0.022 U	0.021 U
Acetone	67-64-1	0.05	100	100	500	1000	0.05		**2.6 J**	**0.27 J**	0.12 UJ	**0.59 J**	**0.11 J**	0.12 UJ	**0.24 J**	0.12 UJ	0.11 UJ	0.11 UJ
Acrylonitrile	107-13-1	NC	NC	NC	NC	NC	NC		0.0068 UJ	0.0066 UJ	0.0075 UJ	0.0073 UJ	0.0057 UJ	0.0073 UJ	0.0067 UJ	0.0069 UJ	0.0065 UJ	0.0064 UJ
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.06		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
Bromobenzene	108-86-1	NC	NC	NC	NC	NC	NC		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
Bromochloromethane	74-97-5	NC	NC	NC	NC	NC	NC		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC		0.011 UJ	0.011 UJ	0.012 UJ	0.012 UJ	0.0095 UJ	0.012 UJ	0.011 UJ	0.012 UJ	0.011 UJ	0.011 UJ
Carbon disulfide	75-15-0	NC	100[CP]	NC	NC	NC	2.7[CP]		0.0068 U	0.0066 U	0.0075 U	0.0073 U	0.0057 U	0.0073 U	0.0067 U	0.0069 U	0.0065 U	0.0064 U
Carbon Tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.76		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
Chlorobenzene	108-90-7	1.1	100	100	500	1000	1.1		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
Chloroethane	75-00-3	NC	NC	NC	NC	NC	1.9[CP]		0.023 U	0.022 U	0.025 U	0.024 U	0.019 U	0.024 U	0.022 U	0.023 U	0.022 U	0.021 U
Chloroform	67-66-3	0.37	10	49	350	700	0.37		0.0046 U	0.0044 U	0.005 U	0.0049 U	0.0038 U	0.0049 U	0.0044 U	0.0046 U	0.0043 U	0.0043 U
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC		0.011 U	0.011 U	0.012 U	0.012 U	0.0095 U	0.012 U	0.011 U	0.012 U	0.011 U	0.011 U
cis-1,2-Dichloroethene	156-59-2	0.25	59	100	500	1000	0.25		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC		0.0011 U	0.0011 U	0.0012 U	0.0012 U	0.00095 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC		0.0011 U	0.0011 U	0.0012 U	0.0012 U	0.00095 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Dibromomethane	74-95-3	NC	NC	NC	NC	NC	NC		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC		0.023 U	0.022 U	0.025 U	0.024 U	0.019 U	0.024 U	0.022 U	0.023 U	0.022 U	0.021 U
Diisopropyl Ether	108-20-3	NC	NC	NC	NC	NC	NC		0.0011 U	0.0011 U	0.0012 U	0.0012 U	0.00095 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	100[CP]	NC	NC	NC	6[CP]		0.011 U	0.011 U	0.012 U	0.012 U	0.0095 U	0.012 U	0.011 U	0.012 U	0.011 U	0.011 U
Ethyl ether	60-29-7	NC	NC	NC	NC	NC	NC		**0.023 J**	0.022 U	0.025 U	0.024 U	0.019 U	0.024 U	0.022 U	0.023 U	0.022 U	0.021 U
Ethylbenzene	100-41-4	1	30	41	390	780	1		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC		0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U

Table 5-3A
Subsuface Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-31	SB12-32	SB12-33	SB12-34	SB12-35	SB12-36	SB12-37	SB12-38	SB12-39	SB12-40
							Sample ID:	SB12-31 (4-6.6)	SB12-32 (1-3.9)	SB12-33 (1-4)	SB12-34 (1-4)	SB12-35 (1-3.8)	SB12-36 (1-4.1)	SB12-37 (2-4.4)	SB12-38 (0-3.8)	SB12-39 (1-4)	SB12-40 (1-3.9)
							Start Depth (ft bgs):	4	1	1	1	1	1	2	0	1	1
							End Depth (ft bgs):	6.6	3.9	4	4	3.8	4.1	4.4	3.8	4	3.9
							Sample Date:	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	11/1/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]										
Isopropylbenzene	98-82-8	NC	100[CP]	NC	NC	NC	2.3[CP]	0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
m,p-Xylene	179601-23-1	NC	NC	NC	NC	NC	NC	0.0046 U	0.0044 U	0.005 U	0.0049 U	0.0038 U	0.0049 U	0.0044 U	0.0046 U	0.0043 U	0.0043 U
Methylene Chloride	75-09-2	0.05	51	100	500	1000	0.05	**0.047**	**0.022 J**	**0.025 J**	**0.024 J**	**0.019 J**	**0.024 J**	**0.022 J**	**0.023 J**	**0.022 J**	**0.021 J**
MTBE	1634-04-4	0.93	62	100	500	1000	0.93	0.0046 U	0.0044 U	0.005 U	0.0049 U	0.0038 U	0.0049 U	0.0044 U	0.0046 U	0.0043 U	0.0043 U
Naphthalene	91-20-3	12	100	100	500	1000	12	0.0046 U	0.0044 U	0.005 U	0.0049 U	0.0038 U	0.0049 U	0.0044 U	0.0046 U	0.0043 U	0.0043 U
n-Butylbenzene	104-51-8	12	100	100	500	1000	12	0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
n-Propylbenzene	103-65-1	3.9	100	100	500	1000	3.9	0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
o-Chlorotoluene	95-49-8	NC	NC	NC	NC	NC	NC	0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
o-Xylene	95-47-6	NC	NC	NC	NC	NC	NC	0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
p-Chlorotoluene	106-43-4	NC	NC	NC	NC	NC	NC	0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
sec-Butylbenzene	135-98-8	11	100	100	500	1000	11	0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC	0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
t-Butyl alcohol	75-65-0	NC	NC	NC	NC	NC	NC	0.046 UJ	0.044 UJ	0.05 UJ	0.049 UJ	0.038 UJ	0.049 UJ	0.044 UJ	0.046 UJ	0.043 UJ	0.043 UJ
Tert-Amyl Methyl Ether	994-05-8	NC	NC	NC	NC	NC	NC	0.0011 U	0.0011 U	0.0012 U	0.0012 U	0.00095 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Tert-Butyl Ethyl Ether	637-92-3	NC	NC	NC	NC	NC	NC	0.0011 U	0.0011 U	0.0012 U	0.0012 U	0.00095 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
Tert-Butylbenzene	98-06-6	5.9	100	100	500	1000	5.9	0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
Tetrachloroethene	127-18-4	1.3	5.5	19	150	300	1.3	0.0023 U	0.0022 U	0.0025 U	0.0024 U	**0.0042**	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
Tetrahydrofuran	109-99-9	NC	NC	NC	NC	NC	NC	0.011 UJ	0.011 UJ	0.012 UJ	0.012 UJ	0.0095 UJ	0.012 UJ	0.011 UJ	0.012 UJ	0.011 UJ	0.011 UJ
Toluene	108-88-3	0.7	100	100	500	1000	0.7	0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	100	500	1000	0.19	0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC	0.0011 U	0.0011 U	0.0012 U	0.0012 U	0.00095 U	0.0012 U	0.0011 U	0.0012 U	0.0011 U	0.0011 U
trans-1,4-Dichlorobutene	110-57-6	NC	NC	NC	NC	NC	NC	0.0046 U	0.0044 U	0.005 U	0.0049 U	0.0038 U	0.0049 U	0.0044 U	0.0046 U	0.0043 U	0.0043 U
Trichloroethene	79-01-6	0.47	10	21	200	400	0.47	0.0023 U	0.0022 U	0.0025 U	0.0024 U	0.0019 U	0.0024 U	0.0022 U	0.0023 U	0.0022 U	0.0021 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC	0.011 U	0.011 U	0.012 U	0.012 U	0.0095 U	0.012 U	0.011 U	0.012 U	0.011 U	0.011 U
Vinyl Chloride	75-01-4	0.02	0.21	0.9	13	27	0.02	0.011 U	0.011 U	0.012 U	0.012 U	0.0095 U	0.012 U	0.011 U	0.012 U	0.011 U	0.011 U

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
NA - Not Analyzed
R- Rejected. The data are unusable. The analyte may or may not be present.
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
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Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3A
Subsuface Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-41	SB12-42	SB12-42	SB12-44	SB12-45	SB12-46	SB12-47
							Sample ID:	SB12-41 (1-4)	SB12-42 (2-4)	SB12-FD03	SB12-44 (2-3.5FT)	SB12-45 (2-4FT)	SB12-46 (4-6FT)	SB12-47 (2-4FT)
							Start Depth (ft bgs):	1	2	2	2	2	4	2
							End Depth (ft bgs):	4	4	4	3.5	4	6	4
							Sample Date:	11/1/2012	11/8/2012	11/10/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]							
1,1,1-Trichloroethane	71-55-6	0.68	100	100	500	1000	0.68	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
1,1,2,2-Tetrachloroethane	79-34-5	NC	35[CP]	NC	NC	NC	0.6[CP]	0.0011 U	0.0014 U	0.00092 U	0.0013 U	0.0014 U	0.0012 U	0.0014 U
1,1,2-Trichloroethane	79-00-5	NC	NC	NC	NC	NC	NC	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
1,1-Dichloroethane	75-34-3	0.27	19	26	240	480	0.27	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
1,1-Dichloroethene	75-35-4	0.33	100	100	500	1000	0.33	0.0043 U	0.0057 U	0.0037 U	0.0051 U	0.0058 U	0.0046 U	0.0055 U
1,1-Dichloropropene	563-58-6	NC	NC	NC	NC	NC	NC	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
1,2,3-Trichlorobenzene	87-61-6	NC	NC	NC	NC	NC	NC	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
1,2,3-Trichloropropane	96-18-4	NC	80[CP]	NC	NC	NC	0.34[CP]	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	3.4[CP]	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
1,2,4-Trimethylbenzene	95-63-6	3.6	47	52	190	380	3.6	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
1,2-Dibromo-3-chloropropane	96-12-8	NC	NC	NC	NC	NC	NC	0.0022 UJ	0.0029 U	0.0018 U	0.0025 UJ	0.0029 UJ	0.0023 UJ	0.0027 UJ
1,2-Dibromoethane	106-93-4	NC	NC	NC	NC	NC	NC	0.0011 U	0.0014 U	0.00092 U	0.0013 U	0.0014 U	0.0012 U	0.0014 U
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
1,2-Dichloroethane	107-06-2	0.02	2.3	3.1	30	60	0.02	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
1,2-Dichloropropane	78-87-5	NC	NC	NC	NC	NC	NC	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
1,3,5- Trichlorobenzene	108-70-3	NC	NC	NC	NC	NC	NC	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
1,3,5-Trimethylbenzene	108-67-8	8.4	47	52	190	380	8.4	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
1,3-Dichloropropane	142-28-9	NC	NC	NC	NC	NC	0.3[CP]	0.0011 U	0.0014 U	0.00092 U	0.0013 U	0.0014 U	0.0012 U	0.0014 U
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	0.0022 U	0.0029 U	NA	0.0025 U	0.0029 U	0.0023 U	0.0027 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1	R	R	R	R	R	R	R
2,2-Dichloropropane	594-20-7	NC	NC	NC	NC	NC	NC	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
2-Butanone	78-93-3	0.12	100	100	500	1000	0.12	0.043 U	0.057 UJ	0.037 UJ	0.051 U	0.058 U	0.046 U	0.055 U
2-Hexanone	591-78-6	NC	NC	NC	NC	NC	NC	0.022 U	0.029 U	0.018 U	0.025 U	0.029 U	0.023 U	0.027 U
4-Isopropyltoluene	99-87-6	NC	NC	NC	NC	NC	10[CP]	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
4-Methyl-2-Pentanone	108-10-1	NC	NC	NC	NC	NC	1[CP]	0.022 U	0.029 U	0.018 U	0.025 U	0.029 U	0.023 U	0.027 U
Acetone	67-64-1	0.05	100	100	500	1000	0.05	0.11 UJ	**0.32 J**	**0.32 J**	0.051 UJ	0.058 UJ	**0.22 J**	**0.076 J**
Acrylonitrile	107-13-1	NC	NC	NC	NC	NC	NC	0.0065 UJ	0.0086 U	0.0055 U	0.0076 U	0.0086 U	0.0069 U	0.0082 U
Benzene	71-43-2	0.06	2.9	4.8	44	89	0.06	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
Bromobenzene	108-86-1	NC	NC	NC	NC	NC	NC	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
Bromochloromethane	74-97-5	NC	NC	NC	NC	NC	NC	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
Bromodichloromethane	75-27-4	NC	NC	NC	NC	NC	NC	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
Bromoform	75-25-2	NC	NC	NC	NC	NC	NC	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
Bromomethane	74-83-9	NC	NC	NC	NC	NC	NC	0.011 UJ	0.014 U	0.0092 U	0.013 U	0.014 U	0.012 U	0.014 U
Carbon disulfide	75-15-0	NC	100[CP]	NC	NC	NC	2.7[CP]	0.0065 U	0.0086 U	0.0055 U	0.0076 U	0.0086 U	0.0069 U	0.0082 U
Carbon Tetrachloride	56-23-5	0.76	1.4	2.4	22	44	0.76	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
Chlorobenzene	108-90-7	1.1	100	100	500	1000	1.1	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
Chloroethane	75-00-3	NC	NC	NC	NC	NC	1.9[CP]	0.022 U	0.029 U	0.018 U	0.025 U	0.029 U	0.023 U	0.027 U
Chloroform	67-66-3	0.37	10	49	350	700	0.37	0.0043 U	0.0057 U	0.0037 U	0.0051 U	0.0058 U	0.0046 U	0.0055 U
Chloromethane	74-87-3	NC	NC	NC	NC	NC	NC	0.011 U	0.014 U	0.0092 U	0.013 UJ	0.014 UJ	0.012 UJ	0.014 UJ
cis-1,2-Dichloroethene	156-59-2	0.25	59	100	500	1000	0.25	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
Cis-1,3-Dichloropropene	10061-01-5	NC	NC	NC	NC	NC	NC	0.0011 U	0.0014 U	0.00092 U	0.0013 U	0.0014 U	0.0012 U	0.0014 U
Dibromochloromethane	124-48-1	NC	NC	NC	NC	NC	NC	0.0011 U	0.0014 U	0.00092 U	0.0013 U	0.0014 U	0.0012 U	0.0014 U
Dibromomethane	74-95-3	NC	NC	NC	NC	NC	NC	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
Dichlorodifluoromethane	75-71-8	NC	NC	NC	NC	NC	NC	0.022 U	0.029 U	0.018 U	0.025 U	0.029 UJ	0.023 U	0.027 U
Diisopropyl Ether	108-20-3	NC	NC	NC	NC	NC	NC	0.0011 U	0.0014 U	0.00092 U	0.0013 U	0.0014 U	0.0012 U	0.0014 U
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	76-13-1	NC	100[CP]	NC	NC	NC	6[CP]	0.011 U	0.014 U	0.0092 U	0.013 U	0.014 U	0.012 U	0.014 U
Ethyl ether	60-29-7	NC	NC	NC	NC	NC	NC	0.022 U	0.029 U	0.018 U	0.025 U	0.029 U	0.023 U	0.027 U
Ethylbenzene	100-41-4	1	30	41	390	780	1	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U

Table 5-3A
Subsuface Soil Analytical Data - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-41	SB12-42	SB12-42	SB12-44	SB12-45	SB12-46	SB12-47
							Sample ID:	SB12-41 (1-4)	SB12-42 (2-4)	SB12-FD03	SB12-44 (2-3.5FT)	SB12-45 (2-4FT)	SB12-46 (4-6FT)	SB12-47 (2-4FT)
							Start Depth (ft bgs):	1	2	2	2	2	4	2
							End Depth (ft bgs):	4	4	4	3.5	4	6	4
							Sample Date:	11/1/2012	11/8/2012	11/10/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]							
Isopropylbenzene	98-82-8	NC	100[CP]	NC	NC	NC	2.3[CP]	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
m,p-Xylene	179601-23-1	NC	NC	NC	NC	NC	NC	0.0043 U	0.0057 U	0.0037 U	0.0051 U	0.0058 U	0.0046 U	0.0055 U
Methylene Chloride	75-09-2	0.05	51	100	500	1000	0.05	**0.022 J**	**0.03**	**0.021**	**0.025 J**	0.029 U	**0.029**	**0.027 J**
MTBE	1634-04-4	0.93	62	100	500	1000	0.93	0.0043 U	0.0057 U	0.0037 U	0.0051 U	0.0058 U	0.0046 U	0.0055 U
Naphthalene	91-20-3	12	100	100	500	1000	12	0.0043 U	0.0057 U	0.0037 U	0.0051 U	0.0058 U	0.0046 U	0.0055 U
n-Butylbenzene	104-51-8	12	100	100	500	1000	12	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
n-Propylbenzene	103-65-1	3.9	100	100	500	1000	3.9	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
o-Chlorotoluene	95-49-8	NC	NC	NC	NC	NC	NC	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
o-Xylene	95-47-6	NC	NC	NC	NC	NC	NC	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
p-Chlorotoluene	106-43-4	NC	NC	NC	NC	NC	NC	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
sec-Butylbenzene	135-98-8	11	100	100	500	1000	11	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
Styrene	100-42-5	NC	NC	NC	NC	NC	NC	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
t-Butyl alcohol	75-65-0	NC	NC	NC	NC	NC	NC	0.043 UJ	0.057 UJ	0.037 UJ	0.051 UJ	0.058 UJ	0.046 UJ	0.055 UJ
Tert-Amyl Methyl Ether	994-05-8	NC	NC	NC	NC	NC	NC	0.0011 U	0.0014 U	0.00092 U	0.0013 U	0.0014 U	0.0012 U	0.0014 U
Tert-Butyl Ethyl Ether	637-92-3	NC	NC	NC	NC	NC	NC	0.0011 U	0.0029 UJ	0.0018 UJ	0.0013 U	0.0014 U	0.0012 U	0.0014 U
Tert-Butylbenzene	98-06-6	5.9	100	100	500	1000	5.9	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
Tetrachloroethene	127-18-4	1.3	5.5	19	150	300	1.3	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
Tetrahydrofuran	109-99-9	NC	NC	NC	NC	NC	NC	0.011 UJ	0.014 UJ	0.0092 UJ	0.013 U	0.014 U	0.012 U	0.014 U
Toluene	108-88-3	0.7	100	100	500	1000	0.7	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
trans-1,2-Dichloroethene	156-60-5	0.19	100	100	500	1000	0.19	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
trans-1,3-Dichloropropene	10061-02-6	NC	NC	NC	NC	NC	NC	0.0011 U	0.0014 UJ	0.00092 UJ	0.0013 U	0.0014 U	0.0012 U	0.0014 U
trans-1,4-Dichlorobutene	110-57-6	NC	NC	NC	NC	NC	NC	0.0043 U	0.0057 U	0.0037 U	0.0051 U	0.0058 U	0.0046 U	0.0055 U
Trichloroethene	79-01-6	0.47	10	21	200	400	0.47	0.0022 U	0.0029 U	0.0018 U	0.0025 U	0.0029 U	0.0023 U	0.0027 U
Trichlorofluoromethane	75-69-4	NC	NC	NC	NC	NC	NC	0.011 U	0.014 U	0.0092 U	0.013 U	0.014 U	0.012 U	0.014 U
Vinyl Chloride	75-01-4	0.02	0.21	0.9	13	27	0.02	0.011 U	0.014 U	0.0092 U	0.013 U	0.014 UJ	0.012 U	0.014 U

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
NA - Not Analyzed
R- Rejected. The data are unusable. The analyte may or may not be present.
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3B
Subsurface Soil Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

								Location ID:	SB12-01	SB12-02	SB12-03	SB12-04	SB12-05	SB12-06	SB12-07	SB12-08	SB12-09	SB12-10	SB12-10	SB12-11
								Sample ID:	SB12-01(4-6)	SB12-02(8-12)	SB12-03(0-4)	SB12-04(4-6)	SB12-05(0.5-3.3)	SB12-06(0-3.3)	SB12-07(0-3.9)	SB12-08(0-4)	SB12-09(0-4)	SB12-10(2-4)	SB12-FD01	SB12-11(3-4.7)
								Start Depth (ft bgs):	4	8	0	4	0.5	0	0	0	0	2	2	3
								End Depth (ft bgs):	6	12	4	6	3.3	3.3	3.9	4	4	4	4	4.7
								Sample Date:	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/30/2012	10/30/2012	10/30/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]												
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	122-66-7	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	NC	NC	NC	NC	NC	NC	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	0.39 U	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
2,4,5-Trichlorophenol	95-95-4	NC	100[CP]	NC	NC	NC	0.1[CP]	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
2,4-Dichlorophenol	120-83-2	NC	100[CP]	NC	NC	NC	0.4[CP]	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
2,4-Dimethylphenol	105-67-9	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
2,4-Dinitrophenol	51-28-5	NC	100[CP]	NC	NC	NC	0.2[CP]	1.7 U	2.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U	1.6 U	1.7 U
2,4-Dinitrotoluene	121-14-2	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
2,6-Dinitrotoluene	606-20-2	NC	1.03[CP]	NC	NC	NC	1[CP]	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
2-Chloronaphthalene	91-58-7	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
2-Chlorophenol	95-57-8	NC	100[CP]	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
2-Methylnaphthalene	91-57-6	NC	0.41[CP]	NC	NC	NC	36.4[CP]	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	0.39 U	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
2-Methylphenol	95-48-7	0.33	100	100	500	1000	0.33	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
2-Nitroaniline	88-74-4	NC	NC	NC	NC	NC	0.4[CP]	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
2-Nitrophenol	88-75-5	NC	NC	NC	NC	NC	0.3[CP]	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	NC	NC	NC	NC	0.44 UJ	0.63 UJ	0.42 UJ	0.41 UJ	0.41 UJ	0.41 UJ	0.39 UJ	0.41 UJ	0.4 UJ	0.43 UJ	0.42 UJ	0.44 UJ
3/4-Methyphenol (Total)	MEPH3MEPH4	0.33	34	100	500	1000	0.33	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
3-Nitroaniline	99-09-2	NC	NC	NC	NC	NC	0.5[CP]	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	NC	NC	NC	NC	1.7 U	2.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U	1.6 U	1.7 U
4-Chloroaniline	106-47-8	NC	100[CP]	NC	NC	NC	0.22[CP]	1.7 U	2.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U	1.6 U	1.7 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
4-Nitroaniline	100-01-6	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
4-Nitrophenol	100-02-7	NC	NC	NC	NC	NC	0.1[CP]	1.7 U	2.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U	1.6 U	1.7 U
Acenaphthene	83-32-9	20	100	100	500	1000	98	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	**0.66**	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
Acenaphthylene	208-96-8	100	100	100	500	1000	107	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	0.39 U	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
Acetophenone	98-86-2	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
Aniline	62-53-3	NC	48[CP]	100[CP]	500[CP]	1000[CP]	0.33[CP]	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
Anthracene	120-12-7	100	100	100	500	1000	1000	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	**2**	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
Benzidine	92-87-5	NC	NC	NC	NC	NC	NC	R	R	R	R	R	R	R	R	R	R	R	R
Benzo[a]anthracene	56-55-3	1	1	1	5.6	11	1	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	**6.6**	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
Benzo[a]pyrene	50-32-8	1	1	1	1	1.1	22	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	**5.4**	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
Benzo[b]fluoranthene	205-99-2	1	1	1	5.6	11	1.7	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	**6.4**	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
Benzo[g,h,i]perylene	191-24-2	100	100	100	500	1000	1000	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	**3.9**	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
Benzo[k]fluoranthene	207-08-9	0.8	1	3.9	56	110	1.7	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	**2.4**	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
Benzoic Acid	65-85-0	NC	100[CP]	NC	NC	NC	2.7[CP]	2.6 U	3.7 U	2.5 U	2.4 U	2.4 U	2.4 U	2.3 U	2.4 U	2.3 U	2.5 U	2.5 U	2.6 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	50[CP]	NC	NC	NC	435[CP]	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
Butylbenzylphthalate	85-68-7	NC	100[CP]	NC	NC	NC	122[CP]	1.7 U	2.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U	1.6 U	1.7 U
Carbazole	86-74-8	NC	NC	NC	NC	NC	NC	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	**1.2**	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
Chrysene	218-01-9	1	1	3.9	56	110	1	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	**6.5**	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
Dibenzo[a,h]Anthracene	53-70-3	0.33	0.33	0.33	0.56	1.1	1000	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	**1.2**	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
Dibenzofuran	132-64-9	7	14	59	350	1000	210	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	**0.77 J**	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
Diethylphthalate	84-66-2	NC	100[CP]	NC	NC	NC	7.1[CP]	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
Dimethylphthalate	131-11-3	NC	100[CP]	NC	NC	NC	27[CP]	1.7 U	2.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U	1.6 U	1.7 U
Di-n-butylphthalate	84-74-2	NC	100[CP]	NC	NC	NC	8.1[CP]	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
Di-n-octylphthalate	117-84-0	NC	100[CP]	NC	NC	NC	120[CP]	1.7 U	2.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U	1.6 U	1.7 U
Fluoranthene	206-44-0	100	100	100	500	1000	1000	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	**13 D**	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
Fluorene	86-73-7	30	100	100	500	1000	386	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	**0.75**	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
Hexachlorobenzene	118-74-1	0.33	0.33	1.2	6	12	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	NC	NC	NC	NC	NC	NC	1.7 U	2.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.7 U	1.6 U	1.7 U
Hexachloroethane	67-72-1	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.5	0.5	0.5	5.6	11	8.2	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	**4.1**	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
Isophorone	78-59-1	NC	100[CP]	NC	NC	NC	4.4[CP]	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U

Table 5-3B
Subsuface Soil Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-01	SB12-02	SB12-03	SB12-04	SB12-05	SB12-06	SB12-07	SB12-08	SB12-09	SB12-10	SB12-10	SB12-11
							Sample ID:	SB12-01(4-6)	SB12-02(8-12)	SB12-03(0-4)	SB12-04(4-6)	SB12-05(0.5-3.3)	SB12-06(0-3.3)	SB12-07(0-3.9)	SB12-08(0-4)	SB12-09(0-4)	SB12-10(2-4)	SB12-FD01	SB12-11(3-4.7)
							Start Depth (ft bgs):	4	8	0	4	0.5	0	0	0	0	2	2	3
							End Depth (ft bgs):	6	12	4	6	3.3	3.3	3.9	4	4	4	4	4.7
							Sample Date:	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/30/2012	10/30/2012	10/30/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]												
Naphthalene	91-20-3	12	100	100	500	1000	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	NC	3.7[CP]	15[CP]	69[CP]	140[CP]	0.17[CP]	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
N-Nitrosodimethylamine	62-75-9	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
Pentachloronitrobenzene	82-68-8	NC	NC	NC	NC	NC	NC	0.87 UJ	1.3 UJ	0.84 UJ	0.81 UJ	0.81 UJ	0.83 UJ	0.77 UJ	0.83 UJ	0.8 UJ	0.86 UJ	0.85 UJ	0.88 UJ
Pentachlorophenol	87-86-5	0.8	2.4	6.7	6.7	55	0.8	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
Phenanthrene	85-01-8	100	100	100	500	1000	1000	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	**6.4**	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
Phenol	108-95-2	0.33	100	100	500	1000	0.33	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
Pyrene	129-00-0	100	100	100	500	1000	1000	0.44 U	0.63 U	0.42 U	0.41 U	0.41 U	0.41 U	**9**	0.41 U	0.4 U	0.43 U	0.42 U	0.44 U
Pyridine	110-86-1	NC	NC	NC	NC	NC	NC	0.87 U	1.3 U	0.84 U	0.81 U	0.81 U	0.83 U	0.77 U	0.83 U	0.8 U	0.86 U	0.85 U	0.88 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1	R	R	R	R	R	R	R	R	R	R	R	R

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
NA - Not Analyzed
R- Rejected. The data are unusable. The analyte may or may not be present.
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3B
Subsuface Soil Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

Location ID:								SB12-12	SB12-13	SB12-14	SB12-15	SB12-16	SB12-17	SB12-18	SB12-19	SB12-22	SB12-23	SB12-24	SB12-25
Sample ID:								SB12-12(0-4)	SB12-13(2-4)	SB12-14(0-4)	SB12-15(0-4)	SB12-16(0-4)	SB12-17(0-4)	SB12-18(2-4)	SB12-19(2-4)	SB12-22(0-3)	SB12-23(4-6)	SB12-24(0-3)	SB12-25 (1-3)
Start Depth (ft bgs):								0	2	0	0	0	0	2	2	0	4	0	1
End Depth (ft bgs):								4	4	4	4	4	4	4	4	3	6	3	3
Sample Date:								10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/31/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]												
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 UJ
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	122-66-7	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 UJ
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	NC	NC	NC	NC	NC	NC	0.36 U	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	0.22 U	0.41 U	0.22 U	0.22 U
2,4,5-Trichlorophenol	95-95-4	NC	100[CP]	NC	NC	NC	0.1[CP]	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
2,4-Dichlorophenol	120-83-2	NC	100[CP]	NC	NC	NC	0.4[CP]	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
2,4-Dimethylphenol	105-67-9	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
2,4-Dinitrophenol	51-28-5	NC	100[CP]	NC	NC	NC	0.2[CP]	1.4 U	1.6 U	1.6 U	1.7 U	0.71 U	1.6 U	1.6 U	1.6 U	0.86 U	1.6 U	0.84 U	0.87 U
2,4-Dinitrotoluene	121-14-2	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
2,6-Dinitrotoluene	606-20-2	NC	1.03[CP]	NC	NC	NC	1[CP]	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
2-Chloronaphthalene	91-58-7	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
2-Chlorophenol	95-57-8	NC	100[CP]	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
2-Methylnaphthalene	91-57-6	NC	0.41[CP]	NC	NC	NC	36.4[CP]	0.36 U	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	0.22 U	0.41 U	0.22 U	0.22 U
2-Methylphenol	95-48-7	0.33	100	100	500	1000	0.33	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
2-Nitroaniline	88-74-4	NC	NC	NC	NC	NC	0.4[CP]	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
2-Nitrophenol	88-75-5	NC	NC	NC	NC	NC	0.3[CP]	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	NC	NC	NC	NC	0.36 UJ	0.41 UJ	0.41 UJ	0.44 UJ	0.18 UJ	0.42 UJ	0.42 UJ	0.42 UJ	0.22 UJ	0.41 UJ	0.22 UJ	0.22 UJ
3/4-Methyphenol (Total)	MEPH3MEPH4	0.33	34	100	500	1000	0.33	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
3-Nitroaniline	99-09-2	NC	NC	NC	NC	NC	0.5[CP]	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	NC	NC	NC	NC	1.4 U	1.6 U	1.6 U	1.7 U	0.71 U	1.6 U	1.6 U	1.6 U	0.86 U	1.6 U	0.84 U	0.87 U
4-Chloroaniline	106-47-8	NC	100[CP]	NC	NC	NC	0.22[CP]	1.4 U	1.6 U	1.6 U	1.7 U	0.71 U	1.6 U	1.6 U	1.6 U	0.86 U	1.6 U	0.84 U	0.87 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
4-Nitroaniline	100-01-6	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
4-Nitrophenol	100-02-7	NC	NC	NC	NC	NC	0.1[CP]	1.4 U	1.6 U	1.6 U	1.7 U	0.71 U	1.6 U	1.6 U	1.6 U	0.86 U	1.6 U	0.84 U	0.87 U
Acenaphthene	83-32-9	20	100	100	500	1000	98	0.36 U	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	0.22 U	0.41 U	0.22 U	0.22 U
Acenaphthylene	208-96-8	100	100	100	500	1000	107	0.36 U	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	**0.22 J**	0.41 U	0.22 U	0.22 U
Acetophenone	98-86-2	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
Aniline	62-53-3	NC	48[CP]	100[CP]	500[CP]	1000[CP]	0.33[CP]	0.72 U	0.83 U	0.82 U	0.88 UJ	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
Anthracene	120-12-7	100	100	100	500	1000	1000	**0.36 J**	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	**0.25**	0.41 U	0.22 U	0.22 U
Benzidine	92-87-5	NC	NC	NC	NC	NC	NC	R	R	R	R	R	R	R	R	R	R	R	R
Benzo[a]anthracene	56-55-3	1	1	1	5.6	11	1	**1.4**	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	**1.3**	0.41 U	**0.22 J**	0.22 U
Benzo[a]pyrene	50-32-8	1	1	1	1	1.1	22	**1.5**	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	**1.3**	0.41 U	**0.22 J**	0.22 U
Benzo[b]fluoranthene	205-99-2	1	1	1	5.6	11	1.7	**2.3**	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	**1.6**	0.41 U	**0.23**	0.22 U
Benzo[g,h,i]perylene	191-24-2	100	100	100	500	1000	1000	**1.4**	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	**0.72**	0.41 U	**0.22 J**	0.22 U
Benzo[k]fluoranthene	207-08-9	0.8	1	3.9	56	110	1.7	**0.81**	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	**0.58**	0.41 U	0.22 U	0.22 U
Benzoic Acid	65-85-0	NC	100[CP]	NC	NC	NC	2.7[CP]	2.1 U	2.4 U	2.4 U	2.6 U	1.1 U	2.5 U	2.5 U	2.5 U	1.3 U	2.4 U	1.3 U	1.3 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	50[CP]	NC	NC	NC	435[CP]	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
Butylbenzylphthalate	85-68-7	NC	100[CP]	NC	NC	NC	122[CP]	1.4 U	1.6 U	1.6 U	1.7 U	0.71 U	1.6 U	1.6 U	1.6 U	0.86 U	1.6 U	0.84 U	0.87 UJ
Carbazole	86-74-8	NC	NC	NC	NC	NC	NC	**0.36 J**	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	0.22 U	0.41 U	0.22 U	0.22 U
Chrysene	218-01-9	1	1	3.9	56	110	1	**1.8**	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	**1.3**	0.41 U	**0.22 J**	0.22 U
Dibenzo[a,h]Anthracene	53-70-3	0.33	0.33	0.33	0.56	1.1	1000	**0.36 J**	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	**0.22**	0.41 U	0.22 U	0.22 U
Dibenzofuran	132-64-9	7	14	59	350	1000	210	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
Diethylphthalate	84-66-2	NC	100[CP]	NC	NC	NC	7.1[CP]	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
Dimethylphthalate	131-11-3	NC	100[CP]	NC	NC	NC	27[CP]	1.4 U	1.6 U	1.6 U	1.7 U	0.71 U	1.6 U	1.6 U	1.6 U	0.86 U	1.6 U	0.84 U	0.87 U
Di-n-butylphthalate	84-74-2	NC	100[CP]	NC	NC	NC	8.1[CP]	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
Di-n-octylphthalate	117-84-0	NC	100[CP]	NC	NC	NC	120[CP]	1.4 U	1.6 U	1.6 U	1.7 U	0.71 UJ	1.6 UJ	1.6 UJ	1.6 UJ	0.86 U	1.6 U	0.84 U	0.87 U
Fluoranthene	206-44-0	100	100	100	500	1000	1000	**4**	0.41 U	**0.41 J**	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	**1.9**	0.41 U	**0.38**	0.22 U
Fluorene	86-73-7	30	100	100	500	1000	386	0.36 U	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	0.22 U	0.41 U	0.22 U	0.22 U
Hexachlorobenzene	118-74-1	0.33	0.33	1.2	6	12	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	NC	NC	NC	NC	NC	NC	1.4 U	1.6 U	1.6 U	1.7 U	0.71 U	1.6 U	1.6 U	1.6 U	0.86 U	1.6 U	0.84 U	0.87 U
Hexachloroethane	67-72-1	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.5	0.5	0.5	5.6	11	8.2	**1.5**	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	**0.88**	0.41 U	**0.22 J**	0.22 U
Isophorone	78-59-1	NC	100[CP]	NC	NC	NC	4.4[CP]	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U

Table 5-3B
Subsuface Soil Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-12	SB12-13	SB12-14	SB12-15	SB12-16	SB12-17	SB12-18	SB12-19	SB12-22	SB12-23	SB12-24	SB12-25
							Sample ID:	SB12-12(0-4)	SB12-13(2-4)	SB12-14(0-4)	SB12-15(0-4)	SB12-16(0-4)	SB12-17(0-4)	SB12-18(2-4)	SB12-19(2-4)	SB12-22(0-3)	SB12-23(4-6)	SB12-24(0-3)	SB12-25 (1-3)
							Start Depth (ft bgs):	0	2	0	0	0	0	2	2	0	4	0	1
							End Depth (ft bgs):	4	4	4	4	4	4	4	4	3	6	3	3
							Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/31/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]												
Naphthalene	91-20-3	12	100	100	500	1000	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	NC	3.7[CP]	15[CP]	69[CP]	140[CP]	0.17[CP]	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
N-Nitrosodimethylamine	62-75-9	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 UJ
Pentachloronitrobenzene	82-68-8	NC	NC	NC	NC	NC	NC	0.72 UJ	0.83 UJ	0.82 UJ	0.88 UJ	0.37 UJ	0.84 UJ	0.84 UJ	0.85 UJ	0.44 UJ	0.82 UJ	0.43 UJ	0.45 UJ
Pentachlorophenol	87-86-5	0.8	2.4	6.7	6.7	55	0.8	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
Phenanthrene	85-01-8	100	100	100	500	1000	1000	**1.1**	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	**0.77**	0.41 U	**0.22 J**	0.22 U
Phenol	108-95-2	0.33	100	100	500	1000	0.33	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
Pyrene	129-00-0	100	100	100	500	1000	1000	**2.5**	0.41 U	0.41 U	0.44 U	0.18 U	0.42 U	0.42 U	0.42 U	**2.2**	0.41 U	**0.38**	0.22 UJ
Pyridine	110-86-1	NC	NC	NC	NC	NC	NC	0.72 U	0.83 U	0.82 U	0.88 U	0.37 U	0.84 U	0.84 U	0.85 U	0.44 U	0.82 U	0.43 U	0.45 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1	R	R	R	R	R	R	R	R	R	R	R	R

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
NA - Not Analyzed
R- Rejected. The data are unusable. The analyte may or may not be present.
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3B
Subsurface Soil Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]	Location ID:	SB12-26	SB12-27	SB12-28	SB12-29	SB12-30	SB12-30	SB12-31	SB12-32	SB12-33	SB12-34	SB12-35	SB12-36
								Sample ID:	SB12-26 (1-4)	SB12-27 (1-4)	SB12-28 (1-4)	SB12-29 (1-3.7)	SB12-30 (1-3.9)	SB12-FD02	SB12-31 (4-6.6)	SB12-32 (1-3.9)	SB12-33 (1-4)	SB12-34 (1-4)	SB12-35 (1-3.8)	SB12-36 (1-4.1)
								Start Depth (ft bgs):	1	1	1	1	1	1	4	1	1	1	1	1
								End Depth (ft bgs):	4	4	4	3.7	3.9	3.9	6.6	3.9	4	4	3.8	4.1
								Sample Date:	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	NC	NC	NC	NC		0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ	0.43 UJ	0.41 U	0.42 UJ	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	122-66-7	NC	NC	NC	NC	NC	NC		0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ	0.43 UJ	0.41 U	0.42 UJ	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	NC	NC	NC	NC	NC	NC		0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.21 U	0.19 U	0.22 U
2,4,5-Trichlorophenol	95-95-4	NC	100[CP]	NC	NC	NC	0.1[CP]		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	NC	NC	NC	NC		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
2,4-Dichlorophenol	120-83-2	NC	100[CP]	NC	NC	NC	0.4[CP]		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
2,4-Dimethylphenol	105-67-9	NC	NC	NC	NC	NC	NC		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
2,4-Dinitrophenol	51-28-5	NC	100[CP]	NC	NC	NC	0.2[CP]		0.82 U	0.82 U	0.81 U	0.81 U	0.84 U	0.8 U	0.82 U	0.81 U	0.86 U	0.82 U	0.73 U	0.85 U
2,4-Dinitrotoluene	121-14-2	NC	NC	NC	NC	NC	NC		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
2,6-Dinitrotoluene	606-20-2	NC	1.03[CP]	NC	NC	NC	1[CP]		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
2-Chloronaphthalene	91-58-7	NC	NC	NC	NC	NC	NC		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
2-Chlorophenol	95-57-8	NC	100[CP]	NC	NC	NC	NC		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
2-Methylnaphthalene	91-57-6	NC	0.41[CP]	NC	NC	NC	36.4[CP]		0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.21 U	0.19 U	0.22 U
2-Methylphenol	95-48-7	0.33	100	100	500	1000	0.33		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
2-Nitroaniline	88-74-4	NC	NC	NC	NC	NC	0.4[CP]		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
2-Nitrophenol	88-75-5	NC	NC	NC	NC	NC	0.3[CP]		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	NC	NC	NC	NC		0.21 UJ	0.21 UJ	0.21 UJ	0.21 UJ	0.22 UJ	0.2 UJ	0.21 UJ	0.21 UJ	0.22 UJ	0.21 UJ	0.19 UJ	0.22 UJ
3/4-Methyphenol (Total)	MEPH3MEPH4	0.33	34	100	500	1000	0.33		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
3-Nitroaniline	99-09-2	NC	NC	NC	NC	NC	0.5[CP]		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	NC	NC	NC	NC		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	NC	NC	NC	NC		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	NC	NC	NC	NC		0.82 U	0.82 U	0.81 U	0.81 U	0.84 U	0.8 U	0.82 U	0.81 U	0.86 U	0.82 U	0.73 U	0.85 U
4-Chloroaniline	106-47-8	NC	100[CP]	NC	NC	NC	0.22[CP]		0.82 U	0.82 U	0.81 U	0.81 U	0.84 U	0.8 U	0.82 U	0.81 U	0.86 U	0.82 U	0.73 U	0.85 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	NC	NC	NC	NC		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
4-Nitroaniline	100-01-6	NC	NC	NC	NC	NC	NC		0.42 U	0.42 U	0.42 U	0.42 UJ	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
4-Nitrophenol	100-02-7	NC	NC	NC	NC	NC	0.1[CP]		0.82 U	0.82 U	0.81 U	0.81 U	0.84 U	0.8 U	0.82 U	0.81 U	0.86 U	0.82 U	0.73 U	0.85 U
Acenaphthene	83-32-9	20	100	100	500	1000	98		0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.21 U	0.19 U	0.22 U
Acenaphthylene	208-96-8	100	100	100	500	1000	107		0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.21 U	0.19 U	0.22 U
Acetophenone	98-86-2	NC	NC	NC	NC	NC	NC		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
Aniline	62-53-3	NC	48[CP]	100[CP]	500[CP]	1000[CP]	0.33[CP]		0.42 U	0.42 U	0.42 U	0.42 UJ	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
Anthracene	120-12-7	100	100	100	500	1000	1000		0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.21 U	0.19 U	0.22 U
Benzidine	92-87-5	NC	NC	NC	NC	NC	NC		R	R	R	R	R	R	R	R	R	R	R	R
Benzo[a]anthracene	56-55-3	1	1	1	5.6	11	1		0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.21 U	0.19 U	0.22 U
Benzo[a]pyrene	50-32-8	1	1	1	1	1.1	22		0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.21 U	0.19 U	0.22 U
Benzo[b]fluoranthene	205-99-2	1	1	1	5.6	11	1.7		0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.21 U	0.19 U	0.22 U
Benzo[g,h,i]perylene	191-24-2	100	100	100	500	1000	1000		0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.21 U	0.19 U	0.22 U
Benzo[k]fluoranthene	207-08-9	0.8	1	3.9	56	110	1.7		0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.21 U	0.19 U	0.22 U
Benzoic Acid	65-85-0	NC	100[CP]	NC	NC	NC	2.7[CP]		1.2 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	1.2 U	1.3 U	1.2 U	1.1 U	1.3 U
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	NC	NC	NC	NC		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	NC	NC	NC	NC		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	NC	NC	NC	NC		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	50[CP]	NC	NC	NC	435[CP]		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 J	0.44 U
Butylbenzylphthalate	85-68-7	NC	100[CP]	NC	NC	NC	122[CP]		0.82 UJ	0.82 UJ	0.81 UJ	0.81 UJ	0.84 UJ	0.8 U	0.82 UJ	0.81 U	0.86 U	0.82 U	0.73 U	0.85 U
Carbazole	86-74-8	NC	NC	NC	NC	NC	NC		0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 UJ	0.21 U	0.21 UJ	0.22 UJ	0.21 U	0.19 UJ	0.22 UJ
Chrysene	218-01-9	1	1	3.9	56	110	1		0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.21 U	0.19 U	0.22 U
Dibenzo[a,h]Anthracene	53-70-3	0.33	0.33	0.33	0.56	1.1	1000		0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.21 U	0.19 U	0.22 U
Dibenzofuran	132-64-9	7	14	59	350	1000	210		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
Diethylphthalate	84-66-2	NC	100[CP]	NC	NC	NC	7.1[CP]		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
Dimethylphthalate	131-11-3	NC	100[CP]	NC	NC	NC	27[CP]		0.82 U	0.82 U	0.81 U	0.81 U	0.84 U	0.8 U	0.82 U	0.81 U	0.86 U	0.82 U	0.73 U	0.85 U
Di-n-butylphthalate	84-74-2	NC	100[CP]	NC	NC	NC	8.1[CP]		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
Di-n-octylphthalate	117-84-0	NC	100[CP]	NC	NC	NC	120[CP]		0.82 U	0.82 U	0.81 U	0.81 U	0.84 U	0.8 U	0.82 U	0.81 U	0.86 U	0.82 U	0.73 U	0.85 U
Fluoranthene	206-44-0	100	100	100	500	1000	1000		0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 UJ	0.21 U	0.21 UJ	0.22 UJ	0.21 U	0.19 UJ	0.22 UJ
Fluorene	86-73-7	30	100	100	500	1000	386		0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.21 U	0.19 U	0.22 U
Hexachlorobenzene	118-74-1	0.33	0.33	1.2	6	12	3.2		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	NC	NC	NC	NC	NC	NC		0.82 U	0.82 U	0.81 U	0.81 U	0.84 U	0.8 U	0.82 U	0.81 U	0.86 U	0.82 U	0.73 U	0.85 U
Hexachloroethane	67-72-1	NC	NC	NC	NC	NC	NC		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.5	0.5	0.5	5.6	11	8.2		0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.21 U	0.19 U	0.22 U
Isophorone	78-59-1	NC	100[CP]	NC	NC	NC	4.4[CP]		0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U

Table 5-3B
Subsuface Soil Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-26	SB12-27	SB12-28	SB12-29	SB12-30	SB12-30	SB12-31	SB12-32	SB12-33	SB12-34	SB12-35	SB12-36
							Sample ID:	SB12-26 (1-4)	SB12-27 (1-4)	SB12-28 (1-4)	SB12-29 (1-3.7)	SB12-30 (1-3.9)	SB12-FD02	SB12-31 (4-6.6)	SB12-32 (1-3.9)	SB12-33 (1-4)	SB12-34 (1-4)	SB12-35 (1-3.8)	SB12-36 (1-4.1)
							Start Depth (ft bgs):	1	1	1	1	1	1	4	1	1	1	1	1
							End Depth (ft bgs):	4	4	4	3.7	3.9	3.9	6.6	3.9	4	4	3.8	4.1
							Sample Date:	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]												
Naphthalene	91-20-3	12	100	100	500	1000	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	NC	3.7[CP]	15[CP]	69[CP]	140[CP]	0.17[CP]	0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
N-Nitrosodimethylamine	62-75-9	NC	NC	NC	NC	NC	NC	0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 UJ	0.37 U	0.44 U
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	NC	NC	NC	NC	0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	NC	NC	NC	NC	0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ	0.43 UJ	0.41 U	0.42 UJ	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
Pentachloronitrobenzene	82-68-8	NC	NC	NC	NC	NC	NC	0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ	0.43 UJ	0.41 UJ	0.42 UJ	0.42 UJ	0.44 UJ	0.42 UJ	0.37 UJ	0.44 UJ
Pentachlorophenol	87-86-5	0.8	2.4	6.7	6.7	55	0.8	0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
Phenanthrene	85-01-8	100	100	100	500	1000	1000	0.21 U	0.21 U	0.21 U	0.21 U	0.22 U	0.2 U	0.21 U	0.21 U	0.22 U	0.21 U	0.19 U	0.22 U
Phenol	108-95-2	0.33	100	100	500	1000	0.33	0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
Pyrene	129-00-0	100	100	100	500	1000	1000	0.21 UJ	0.21 UJ	0.21 UJ	0.21 UJ	0.22 UJ	0.2 U	0.21 UJ	0.21 U	0.22 U	0.21 U	0.19 U	0.22 U
Pyridine	110-86-1	NC	NC	NC	NC	NC	NC	0.42 U	0.42 U	0.42 U	0.42 U	0.43 U	0.41 U	0.42 U	0.42 U	0.44 U	0.42 U	0.37 U	0.44 U
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1	R	R	R	R	R	R	R	R	R	R	R	R

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
NA - Not Analyzed
R- Rejected. The data are unusable. The analyte may or may not be present.
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3B
Subsuface Soil Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-37	SB12-38	SB12-39	SB12-40	SB12-41	SB12-42	SB12-42	SB12-44	SB12-45	SB12-46	SB12-47
							Sample ID:	SB12-37 (2-4.4)	SB12-38 (0-3.8)	SB12-39 (1-4)	SB12-40 (1-3.9)	SB12-41 (1-4)	SB12-42 (2-4)	SB12-FD03	SB12-44 (2-3.5FT)	SB12-45 (2-4FT)	SB12-46 (4-6FT)	SB12-47 (2-4FT)
							Start Depth (ft bgs):	2	0	1	1	1	2	2	2	2	4	2
							End Depth (ft bgs):	4.4	3.8	4	3.9	4	4	4	3.5	4	6	4
							Sample Date:	10/31/2012	10/31/2012	10/31/2012	11/1/2012	11/1/2012	11/8/2012	11/10/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]											
1,2,4,5-Tetrachlorobenzene	95-94-3	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
1,2,4-Trichlorobenzene	120-82-1	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	1.1	100	100	500	1000	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	122-66-7	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
1,3-Dichlorobenzene	541-73-1	2.4	17	49	280	560	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	1.8	9.8	13	130	250	1.8	NA	NA	NA	NA	NA	NA	0.69 U	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	NC	NC	NC	NC	NC	NC	0.21 U	0.21 U	0.36 U	0.21 U	0.2 U	0.49 U	0.34 U	0.2 U	0.22 U	0.2 U	0.21 U
2,4,5-Trichlorophenol	95-95-4	NC	100[CP]	NC	NC	NC	0.1[CP]	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
2,4,6-Trichlorophenol	88-06-2	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
2,4-Dichlorophenol	120-83-2	NC	100[CP]	NC	NC	NC	0.4[CP]	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
2,4-Dimethylphenol	105-67-9	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
2,4-Dinitrophenol	51-28-5	NC	100[CP]	NC	NC	NC	0.2[CP]	0.83 U	0.82 U	1.4 U	0.8 U	0.79 U	1.9 U	1.3 U	0.79 U	0.87 U	0.79 U	0.82 U
2,4-Dinitrotoluene	121-14-2	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
2,6-Dinitrotoluene	606-20-2	NC	1.03[CP]	NC	NC	NC	1[CP]	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
2-Chloronaphthalene	91-58-7	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
2-Chlorophenol	95-57-8	NC	100[CP]	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
2-Methylnaphthalene	91-57-6	NC	0.41[CP]	NC	NC	NC	36.4[CP]	0.21 U	0.21 U	0.36 U	0.21 U	0.2 U	0.49 U	0.34 U	0.2 U	0.22 U	0.2 U	0.21 U
2-Methylphenol	95-48-7	0.33	100	100	500	1000	0.33	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
2-Nitroaniline	88-74-4	NC	NC	NC	NC	NC	0.4[CP]	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
2-Nitrophenol	88-75-5	NC	NC	NC	NC	NC	0.3[CP]	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
3,3-Dichlorobenzidine	91-94-1	NC	NC	NC	NC	NC	NC	0.21 UJ	0.21 UJ	0.36 UJ	0.21 UJ	0.2 UJ	0.49 UJ	0.34 UJ	0.2 UJ	0.22 UJ	0.2 UJ	0.21 UJ
3/4-Methyphenol (Total)	MEPH3MEPH4	0.33	34	100	500	1000	0.33	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 UJ	0.45 UJ	0.4 UJ	0.42 UJ
3-Nitroaniline	99-09-2	NC	NC	NC	NC	NC	0.5[CP]	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
4,6-Dinitro-2-methylphenol	534-52-1	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
4-Bromophenyl-phenylether	101-55-3	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
4-Chloro-3-methylphenol	59-50-7	NC	NC	NC	NC	NC	NC	0.83 U	0.82 U	1.4 U	0.8 U	0.79 U	1.9 U	1.3 U	0.79 U	0.87 U	0.79 U	0.82 U
4-Chloroaniline	106-47-8	NC	100[CP]	NC	NC	NC	0.22[CP]	0.83 U	0.82 U	1.4 U	0.8 U	0.79 U	1.9 U	1.3 U	0.79 U	0.87 U	0.79 U	0.82 U
4-Chlorophenyl-phenylether	7005-72-3	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
4-Nitroaniline	100-01-6	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
4-Nitrophenol	100-02-7	NC	NC	NC	NC	NC	0.1[CP]	0.83 U	0.82 U	1.4 U	0.8 U	0.79 U	1.9 U	1.3 U	0.79 U	0.87 U	0.79 U	0.82 U
Acenaphthene	83-32-9	20	100	100	500	1000	98	0.21 U	0.21 U	0.36 U	0.21 U	0.2 U	0.49 U	0.34 U	0.2 U	0.22 U	0.2 U	0.21 U
Acenaphthylene	208-96-8	100	100	100	500	1000	107	0.21 U	0.21 U	0.36 U	0.21 U	0.2 U	0.49 U	0.34 U	0.2 U	0.22 U	0.2 U	0.21 U
Acetophenone	98-86-2	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
Aniline	62-53-3	NC	48[CP]	100[CP]	500[CP]	1000[CP]	0.33[CP]	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 UJ	0.4 U	0.42 U
Anthracene	120-12-7	100	100	100	500	1000	1000	0.21 U	0.21 U	0.36 U	0.21 U	0.2 U	0.49 UJ	0.34 UJ	0.2 U	0.22 U	0.2 U	0.21 U
Benzidine	92-87-5	NC	NC	NC	NC	NC	NC	R	R	R	R	R	R	R	R	R	R	R
Benzo[a]anthracene	56-55-3	1	1	1	5.6	11	1	0.21 U	0.21 U	0.36 U	0.21 U	0.2 U	0.49 U	0.34 U	0.2 U	**0.22 J**	0.2 U	0.21 U
Benzo[a]pyrene	50-32-8	1	1	1	1	1.1	22	0.21 U	0.21 U	0.36 U	0.21 U	0.2 U	0.49 U	0.34 U	0.2 U	**0.22 J**	0.2 U	0.21 U
Benzo[b]fluoranthene	205-99-2	1	1	1	5.6	11	1.7	0.21 U	0.21 U	0.36 U	0.21 U	0.2 U	0.49 U	0.34 U	0.2 U	**0.23**	0.2 U	0.21 U
Benzo[g,h,i]perylene	191-24-2	100	100	100	500	1000	1000	0.21 U	0.21 U	0.36 U	0.21 U	0.2 U	0.49 U	0.34 U	0.2 U	**0.22 J**	0.2 U	0.21 U
Benzo[k]fluoranthene	207-08-9	0.8	1	3.9	56	110	1.7	0.21 U	0.21 U	0.36 U	0.21 U	0.2 U	0.49 U	0.34 U	0.2 U	0.22 U	0.2 U	0.21 U
Benzoic Acid	65-85-0	NC	100[CP]	NC	NC	NC	2.7[CP]	1.3 U	1.2 U	2.1 U	1.2 U	1.2 U	2.9 UJ	2 UJ	R	R	R	R
Bis(2-Chloroethoxy)methane	111-91-1	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
Bis(2-Chloroethyl)Ether	111-44-4	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
Bis(2-Chloroisopropyl)ether	108-60-1	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
Bis(2-Ethylhexyl)phthalate	117-81-7	NC	50[CP]	NC	NC	NC	435[CP]	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	**0.45 J**	0.4 U	0.42 U
Butylbenzylphthalate	85-68-7	NC	100[CP]	NC	NC	NC	122[CP]	0.83 U	0.82 U	1.4 U	0.8 U	0.79 U	1.9 U	1.3 U	0.79 U	0.87 U	0.79 U	0.82 U
Carbazole	86-74-8	NC	NC	NC	NC	NC	NC	0.21 UJ	0.21 UJ	0.36 UJ	0.21 UJ	0.2 UJ	0.49 U	0.34 U	0.2 U	0.22 U	0.2 U	0.21 U
Chrysene	218-01-9	1	1	3.9	56	110	1	0.21 U	0.21 U	0.36 U	0.21 U	0.2 U	0.49 U	0.34 U	0.2 U	**0.22 J**	0.2 U	0.21 U
Dibenzo[a,h]Anthracene	53-70-3	0.33	0.33	0.33	0.56	1.1	1000	0.21 U	0.21 U	0.36 U	0.21 U	0.2 U	0.49 U	0.34 U	0.2 U	0.22 U	0.2 U	0.21 U
Dibenzofuran	132-64-9	7	14	59	350	1000	210	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
Diethylphthalate	84-66-2	NC	100[CP]	NC	NC	NC	7.1[CP]	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
Dimethylphthalate	131-11-3	NC	100[CP]	NC	NC	NC	27[CP]	0.83 U	0.82 U	1.4 U	0.8 U	0.79 U	1.9 U	1.3 U	0.79 U	0.87 U	0.79 U	0.82 U
Di-n-butylphthalate	84-74-2	NC	100[CP]	NC	NC	NC	8.1[CP]	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 UJ	0.69 UJ	0.41 U	0.45 U	0.4 U	0.42 U
Di-n-octylphthalate	117-84-0	NC	100[CP]	NC	NC	NC	120[CP]	0.83 U	0.82 U	1.4 U	0.8 U	0.79 U	1.9 U	1.3 U	0.79 U	0.87 U	0.79 U	0.82 U
Fluoranthene	206-44-0	100	100	100	500	1000	1000	0.21 UJ	0.21 UJ	0.36 UJ	0.21 UJ	0.2 UJ	0.49 U	0.34 U	0.2 U	**0.22 J**	0.2 U	0.21 U
Fluorene	86-73-7	30	100	100	500	1000	386	0.21 U	0.21 U	0.36 U	0.21 U	0.2 U	0.49 U	0.34 U	0.2 U	0.22 U	0.2 U	0.21 U
Hexachlorobenzene	118-74-1	0.33	0.33	1.2	6	12	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorobutadiene	87-68-3	NC	NC	NC	NC	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	NC	NC	NC	NC	NC	NC	0.83 U	0.82 U	1.4 U	0.8 U	0.79 U	1.9 UJ	1.3 UJ	NA	NA	NA	NA
Hexachloroethane	67-72-1	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
Indeno[1,2,3-cd]pyrene	193-39-5	0.5	0.5	0.5	5.6	11	8.2	0.21 U	0.21 U	0.36 U	0.21 U	0.2 U	0.49 U	0.34 U	0.2 U	**0.22 J**	0.2 U	0.21 U
Isophorone	78-59-1	NC	100[CP]	NC	NC	NC	4.4[CP]	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U

Table 5-3B
Subsuface Soil Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

								Location ID:	SB12-37	SB12-38	SB12-39	SB12-40	SB12-41	SB12-42	SB12-42	SB12-44	SB12-45	SB12-46	SB12-47
								Sample ID:	SB12-37 (2-4.4)	SB12-38 (0-3.8)	SB12-39 (1-4)	SB12-40 (1-3.9)	SB12-41 (1-4)	SB12-42 (2-4)	SB12-FD03	SB12-44 (2-3.5FT)	SB12-45 (2-4FT)	SB12-46 (4-6FT)	SB12-47 (2-4FT)
								Start Depth (ft bgs):	2	0	1	1	1	2	2	2	2	4	2
								End Depth (ft bgs):	4.4	3.8	4	3.9	4	4	4	3.5	4	6	4
								Sample Date:	10/31/2012	10/31/2012	10/31/2012	11/1/2012	11/1/2012	11/8/2012	11/10/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]												
Naphthalene	91-20-3	12	100	100	500	1000	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	NC	3.7[CP]	15[CP]	69[CP]	140[CP]	0.17[CP]	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
N-Nitrosodimethylamine	62-75-9	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 UJ	0.45 UJ	0.4 UJ	0.42 UJ
N-Nitroso-Di-N-Propylamine	621-64-7	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
N-Nitrosodiphenylamine	86-30-6	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
Pentachloronitrobenzene	82-68-8	NC	NC	NC	NC	NC	NC	0.43 UJ	0.42 UJ	0.72 UJ	0.41 UJ	0.41 UJ	0.98 UJ	0.69 UJ	0.41 UJ	0.45 UJ	0.4 UJ	0.42 UJ
Pentachlorophenol	87-86-5	0.8	2.4	6.7	6.7	55	0.8	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
Phenanthrene	85-01-8	100	100	100	500	1000	1000	0.21 U	0.21 U	0.36 U	0.21 U	0.2 U	0.49 U	0.34 U	0.2 U	0.22 U	0.2 U	0.21 U
Phenol	108-95-2	0.33	100	100	500	1000	0.33	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 U	0.45 U	0.4 U	0.42 U
Pyrene	129-00-0	100	100	100	500	1000	1000	0.21 U	0.21 U	0.36 U	0.21 U	0.2 U	0.49 U	0.34 U	0.2 U	**0.26**	0.2 U	0.21 U
Pyridine	110-86-1	NC	NC	NC	NC	NC	NC	0.43 U	0.42 U	0.72 U	0.41 U	0.41 U	0.98 U	0.69 U	0.41 UJ	0.45 UJ	0.4 UJ	0.42 UJ
1,4-Dioxane	123-91-1	0.1	9.8	13	130	250	0.1	R	R	R	R	R	R	R	R	R	R	R

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
NA - Not Analyzed
R- Rejected. The data are unusable. The analyte may or may not be present.
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3C
Subsuface Soil Analytical Data - Inorganics
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]	Location ID:	SB12-01	SB12-02	SB12-03	SB12-04	SB12-05	SB12-06	SB12-07	SB12-08	SB12-09	SB12-10
								Sample ID:	SB12-01(4-6)	SB12-02(8-12)	SB12-03(0-4)	SB12-04(4-6)	SB12-05(0.5-3.3)	SB12-06(0-3.3)	SB12-07(0-3.9)	SB12-08(0-4)	SB12-09(0-4)	SB12-10(2-4)
								Start Depth (ft bgs):	4	8	0	4	0.5	0	0	0	0	2
								End Depth (ft bgs):	6	12	4	6	3.3	3.3	3.9	4	4	4
								Sample Date:	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/30/2012
Aluminum	7429-90-5	NC	NC	NC	NC	NC	NC		**35000**	**30000**	**19000**	**16000**	**7000**	**31000**	**12000**	**13000**	**20000**	**19000**
Antimony	7440-36-0	NC	NC	NC	NC	NC	NC		3.2 UJ	4.5 UJ	3.1 UJ	2.8 UJ	2.8 UJ	2.9 UJ	2.8 UJ	2.9 UJ	2.9 UJ	3.1 UJ
Arsenic	7440-38-2	13	16	16	16	16	16		3.2 U	4.5 U	3.1 U	2.8 U	2.8 J	2.9 U	2.8 U	2.9 U	2.9 U	3.1 U
Barium	7440-39-3	350	350	400	400	10000	820		**270**	**140**	**110**	**130**	**49**	**150**	**84**	**79**	**120**	**200**
Beryllium	7440-41-7	7.2	14	72	590	2700	47		**0.32 J**	**1.1**	**0.31 J**	**0.28 J**	0.28 U	**0.86**	0.28 U	**0.29 J**	**0.76**	0.31 U
Cadmium	7440-43-9	2.5	2.5	4.3	9.3	60	7.5		**0.32 J**	**0.45 J**	**0.31 J**	**0.29**	**0.28 J**	**0.46**	**0.28 J**	**0.29 J**	**0.42**	**0.31 J**
Calcium	7440-70-2	NC	NC	NC	NC	NC	NC		**6000**	**16000**	**2100**	**12000**	**28000 D**	**7900**	**32000**	**6700**	**4900**	**4500 J**
Chromium	7440-47-3	30	36	180	1500	6800	NC		**37**	**34**	**21**	**20**	**9.5**	**22**	**14**	**14**	**19**	**28**
Cobalt	7440-48-4	NC	30[CP]	NC	NC	NC	NC		**11**	**9.8**	**9.9**	**9.4**	**4.3**	**6.1**	**6.2**	**6.5**	**12**	**15**
Copper	7440-50-8	50	270	270	270	10000	1720		**16 J**	**11 J**	**14 J**	**16 J**	**7 J**	**10 J**	**13 J**	**11 J**	**9.9 J**	**23 J**
Iron	7439-89-6	NC	2000[CP]	NC	NC	NC	NC		**36000**	**32000**	**23000**	**21000**	**12000**	**33000**	**16000**	**16000**	**25000**	**28000**
Lead	7439-92-1	63	400	400	1000	3900	450		**8.3**	**13**	**21**	**10**	**4**	**12**	**5.7**	**10**	**12**	**7.6**
Magnesium	7439-95-4	NC	NC	NC	NC	NC	NC		**6500**	**10000**	**4500**	**9500**	**6500**	**12000**	**9800**	**3500**	**7300**	**7200**
Manganese	7439-96-5	1600	2000	2000	10000	10000	2000		**420 J**	**1300 J**	**460 J**	**730 J**	**410 J**	**540 J**	**250 J**	**360 J**	**690 J**	**860 J**
Mercury	7439-97-6	0.18	0.81	0.81	2.8	5.7	0.73		**0.032 J**	**0.048**	**0.044**	**0.03 J**	**0.029 J**	**0.04**	**0.029**	**0.039**	**0.029 J**	**0.031 J**
Nickel	7440-02-0	30	140	310	310	10000	130		**23**	**17**	**14**	**16**	**6.8**	**18**	**9.7**	**10**	**15**	**24**
Potassium	7440-09-07	NC	NC	NC	NC	NC	NC		**3100**	**2500**	**1800**	**1800**	**870**	**1800**	**1500**	**1700**	**2200**	**4400**
Selenium	7782-49-2	3.9	36	180	1500	6800	4		3.2 U	4.5 U	3.1 U	2.8 U	2.8 U	2.9 U	2.8 U	2.9 U	2.9 U	3.1 U
Silver	7440-22-4	2	36	180	1500	6800	8.3		0.64 U	0.9 U	0.61 U	0.56 U	0.56 U	0.58 U	0.57 U	0.59 U	0.58 U	0.63 U
Sodium	7440-23-5	NC	NC	NC	NC	NC	NC		**280**	**220**	**120 J**	**140**	**110 J**	**150**	**150**	**120 J**	**220**	**280 J**
Thallium	7440-28-0	NC	NC	NC	NC	NC	NC		3.2 U	4.5 U	3.1 U	2.8 U	2.8 U	2.9 U	2.8 U	2.9 U	2.9 U	3.1 U
Vanadium	7440-62-2	NC	100[CP]	NC	NC	NC	NC		**49**	**32**	**36**	**31**	**17**	**28**	**22**	**23**	**28**	**41**
Zinc	7440-66-6	109	2200	10000	10000	10000	2480		**77 J**	**65 J**	**62 J**	**46 J**	**21 J**	**47 J**	**58 J**	**44 J**	**37 J**	**58 J**
Cyanide (Amenable)	57-12-5	27	27	27	27	10000	40		**0.52 J**	0.79 U	0.51 U	0.43 U	0.59 U	**0.39 J**	**0.53 J**	**0.56 J**	**0.52 J**	**0.43 J**

Notes:
All units in milligrams per kilogram (mg/kg)
D - Sample diluted for analysis
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds CP-51 Supplemental Residential SCO
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3C
Subsuface Soil Analytical Data - Inorganics
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]	Location ID:	SB12-10	SB12-11	SB12-12	SB12-13	SB12-14	SB12-15	SB12-16	SB12-17	SB12-18	SB12-19
								Sample ID:	SB12-FD01	SB12-11(3-4.7)	SB12-12(0-4)	SB12-13(2-4)	SB12-14(0-4)	SB12-15(0-4)	SB12-16(0-4)	SB12-17(0-4)	SB12-18(2-4)	SB12-19(2-4)
								Start Depth (ft bgs):	2	3	0	2	0	0	0	0	2	2
								End Depth (ft bgs):	4	4.7	4	4	4	4	4	4	4	4
								Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012
Aluminum	7429-90-5	NC	NC	NC	NC	NC	NC		**23000**	**28000**	**2900**	**16000**	**18000**	**17000**	**4900**	**23000**	**19000**	**18000**
Antimony	7440-36-0	NC	NC	NC	NC	NC	NC		3 UJ	3.2 UJ	2.5 UJ	3 UJ	3 UJ	3.1 UJ	2.6 UJ	3.1 UJ	3 UJ	2.9 UJ
Arsenic	7440-38-2	13	16	16	16	16	16		3 U	3.2 U	**20**	3 U	3 U	3.1 U	**10**	3.1 U	3 U	2.9 U
Barium	7440-39-3	350	350	400	400	10000	820		**140**	**240**	**45**	**160**	**130**	**100**	**29**	**200**	**150**	**190**
Beryllium	7440-41-7	7.2	14	72	590	2700	47		**0.3 J**	**0.32 J**	**0.25 J**	0.3 U	**0.3 J**	**0.31 J**	0.26 U	**0.31 J**	**0.3 J**	0.29 U
Cadmium	7440-43-9	2.5	2.5	4.3	9.3	60	7.5		**0.38**	**0.32 J**	**0.25 J**	**0.3 J**	**0.3**	**0.61**	**0.26 J**	**0.31 J**	**0.3 J**	**0.29 J**
Calcium	7440-70-2	NC	NC	NC	NC	NC	NC		**24000 J**	**4800**	**290000 D**	**4200**	**28000**	**22000**	**160000 D**	**4200**	**4200**	**5400**
Chromium	7440-47-3	30	36	180	1500	6800	NC		**23**	**32**	**5.2**	**21**	**21**	**18**	**5.3**	**27**	**22**	**23**
Cobalt	7440-48-4	NC	30[CP]	NC	NC	NC	NC		**11**	**15**	**2.5 J**	**10**	**10**	**7.3**	**2.6 J**	**14**	**12**	**12**
Copper	7440-50-8	50	270	270	270	10000	1720		**21 J**	**25 J**	**5.2 J**	**17 J**	**15 J**	**39 J**	**3.5 J**	**22 J**	**17 J**	**19 J**
Iron	7439-89-6	NC	2000[CP]	NC	NC	NC	NC		**26000**	**32000**	**4500**	**22000**	**23000**	**20000**	**6400**	**29000**	**25000**	**27000**
Lead	7439-92-1	63	400	400	1000	3900	450		**12**	**8.6**	**3.5**	**6.1**	**10**	**17**	**3.5**	**7.7**	**7**	**6.9**
Magnesium	7439-95-4	NC	NC	NC	NC	NC	NC		**5500**	**7200**	**5300**	**5500**	**5700**	**4800**	**6600**	**6300**	**5700**	**6800**
Manganese	7439-96-5	1600	2000	2000	10000	10000	2000		**410 J**	**580 J**	**280 J**	**520 J**	**570 J**	**590 J**	**250 J**	**570 J**	**650 J**	**550 J**
Mercury	7439-97-6	0.18	0.81	0.81	2.8	5.7	0.73		**0.037**	**0.032 J**	**0.026 J**	**0.03 J**	**0.033**	**0.041**	**0.027 J**	**0.031 J**	**0.03 J**	**0.031 J**
Nickel	7440-02-0	30	140	310	310	10000	130		**16**	**24**	**4**	**17**	**16**	**12**	**3.2**	**21**	**18**	**20**
Potassium	7440-09-07	NC	NC	NC	NC	NC	NC		**2100**	**3200**	**1400**	**2300**	**2100**	**1100**	**620**	**2300**	**2300**	**2800**
Selenium	7782-49-2	3.9	36	180	1500	6800	4		3 U	3.2 U	2.5 U	3 U	3 U	3.1 U	2.6 U	3.1 U	3 U	2.9 U
Silver	7440-22-4	2	36	180	1500	6800	8.3		0.61 U	0.65 U	0.5 U	0.6 U	0.6 U	0.61 U	0.52 U	0.62 U	0.61 U	0.58 U
Sodium	7440-23-5	NC	NC	NC	NC	NC	NC		**130 J**	**150**	**110**	**160**	**150**	**120 J**	**100 J**	**120 J**	**150**	**300**
Thallium	7440-28-0	NC	NC	NC	NC	NC	NC		3 U	3.2 U	2.5 U	3 U	3 U	3.1 U	**2.6 J**	3.1 U	3 U	2.9 U
Vanadium	7440-62-2	NC	100[CP]	NC	NC	NC	NC		**39**	**47**	**3.2**	**31**	**32**	**31**	**8.5**	**42**	**34**	**37**
Zinc	7440-66-6	109	2200	10000	10000	10000	2480		**64 J**	**66 J**	**49 J**	**50 J**	**49 J**	**120 J**	**18 J**	**57 J**	**52 J**	**57 J**
Cyanide (Amenable)	57-12-5	27	27	27	27	10000	40		**0.46 J**	**0.48 J**	**0.99**	**0.61**	**0.48 J**	**0.52 J**	**0.4 J**	**0.61 J**	**0.49 J**	0.61 U

Notes:
All units in milligrams per kilogram (mg/kg)
D - Sample diluted for analysis
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds CP-51 Supplemental Residential SCO
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
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Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
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[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3C
Subsuface Soil Analytical Data - Inorganics
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]	Location ID:	SB12-22	SB12-23	SB12-24	SB12-25	SB12-26	SB12-27	SB12-28	SB12-29	SB12-30	SB12-30
								Sample ID:	SB12-22(0-3)	SB12-23(4-6)	SB12-24(0-3)	SB12-25 (1-3)	SB12-26 (1-4)	SB12-27 (1-4)	SB12-28 (1-4)	SB12-29 (1-3.7)	SB12-30 (1-3.9)	SB12-FD02
								Start Depth (ft bgs):	0	4	0	1	1	1	1	1	1	12
								End Depth (ft bgs):	3	6	3	3	4	4	4	3.7	3.9	30
								Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012
Aluminum	7429-90-5	NC	NC	NC	NC	NC	NC		**16000**	**12000**	**17000**	**33000**	**8600**	**17000**	**19000**	**20000**	**19000**	**14000**
Antimony	7440-36-0	NC	NC	NC	NC	NC	NC		3.1 UJ	3 UJ	3.2 UJ	3.6 UJ	2.9 UJ	3 UJ	2.9 UJ	3.3 UJ	3.1 UJ	2.9 UJ
Arsenic	7440-38-2	13	16	16	16	16	16		**3.1 J**	3 U	3.2 U	3.6 U	**9.7**	3 U	2.9 U	3.3 U	3.1 U	2.9 U
Barium	7440-39-3	350	350	400	400	10000	820		**180**	**59**	**110**	**220**	**52**	**130**	**120**	**92**	**220**	**160**
Beryllium	7440-41-7	7.2	14	72	590	2700	47		**0.87**	**0.3 J**	**0.32 J**	**0.36 J**	**0.29 J**	**0.3 J**	**0.29**	**0.36**	0.31 U	0.29 U
Cadmium	7440-43-9	2.5	2.5	4.3	9.3	60	7.5		**1.1**	**0.3**	**0.64**	**0.36 J**	**0.32**	**0.43**	**0.37**	**0.33 J**	**0.42**	**0.32**
Calcium	7440-70-2	NC	NC	NC	NC	NC	NC		**15000**	**3300**	**5000**	**3200**	**140000 D**	**3400**	**10000**	**2800**	**6000**	**6500**
Chromium	7440-47-3	30	36	180	1500	6800	NC		**20**	**13**	**19**	**32**	**10**	**20**	**21**	**20**	**24**	**18**
Cobalt	7440-48-4	NC	30[CP]	NC	NC	NC	NC		**7.8**	**5.6**	**8.4**	**14**	**5.4**	**10**	**15**	**8.6**	**17**	**11**
Copper	7440-50-8	50	270	270	270	10000	1720		**53 J**	**6.2 J**	**23 J**	**20**	**5.3**	**9.6**	**11**	**4.8**	**19**	**14**
Iron	7439-89-6	NC	2000[CP]	NC	NC	NC	NC		**20000**	**14000**	**20000**	**33000**	**14000**	**23000**	**26000**	**26000**	**26000**	**23000 B**
Lead	7439-92-1	63	400	400	1000	3900	450		**190**	**7.6**	**29**	**16**	**5.3**	**16**	**13**	**7.4**	**16 J**	**8.2 J**
Magnesium	7439-95-4	NC	NC	NC	NC	NC	NC		**4300**	**2600**	**3900**	**7200**	**7300**	**3900**	**4400**	**3700**	**6800**	**6000**
Manganese	7439-96-5	1600	2000	2000	10000	10000	2000		**680 J**	**350 J**	**650 J**	**580 J**	**700 J**	**630 J**	**1900 J**	**530 J**	**960 J**	**610 J**
Mercury	7439-97-6	0.18	0.81	0.81	2.8	5.7	0.73		**0.29**	**0.04**	**0.08**	**0.033 J**	**0.031 J**	**0.033**	**0.031 J**	**0.035**	**0.032 J**	**0.03 J**
Nickel	7440-02-0	30	140	310	310	10000	130		**16**	**8.9**	**13**	**21**	**6.5**	**12**	**13**	**12**	**25 J**	**14 J**
Potassium	7440-09-07	NC	NC	NC	NC	NC	NC		**2400**	**1100**	**1700**	**4100**	**870**	**1300**	**1400**	**1500**	**2500**	**1600**
Selenium	7782-49-2	3.9	36	180	1500	6800	4		3.1 U	3 U	3.2 U	3.6 U	2.9 U	3 U	2.9 U	3.3 U	3.1 U	2.9 U
Silver	7440-22-4	2	36	180	1500	6800	8.3		0.63 U	0.59 U	0.64 U	0.72 U	0.58 U	0.59 U	0.58 U	0.65 U	0.63 U	0.58 U
Sodium	7440-23-5	NC	NC	NC	NC	NC	NC		**140**	120 U	**130 J**	**150**	**120**	**120 J**	**120 J**	**130 J**	**280**	**260**
Thallium	7440-28-0	NC	NC	NC	NC	NC	NC		3.1 U	3 U	3.2 U	3.6 UJ	2.9 U	3 U	2.9 U	3.3 UJ	3.1 U	2.9 U
Vanadium	7440-62-2	NC	100[CP]	NC	NC	NC	NC		**23**	**19**	**29**	**52**	**19**	**39**	**43**	**41**	**39**	**32**
Zinc	7440-66-6	109	2200	10000	10000	10000	2480		**390 J**	**33 J**	**93 J**	**68**	**37**	**66**	**63**	**57**	**60**	**76**
Cyanide (Amenable)	57-12-5	27	27	27	27	10000	40		0.55 U	0.38 U	**0.5 J**	0.65 U	0.6 U	0.43 U	0.47 U	0.44 U	0.48 U	0.56 U

Notes:
All units in milligrams per kilogram (mg/kg)
D - Sample diluted for analysis
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds CP-51 Supplemental Residential SCO
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
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[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3C
Subsuface Soil Analytical Data - Inorganics
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

Location ID:								SB12-31	SB12-32	SB12-33	SB12-34	SB12-35	SB12-36	SB12-37	SB12-38	SB12-39	SB12-40
Sample ID:								SB12-31 (4-6.6)	SB12-32 (1-3.9)	SB12-33 (1-4)	SB12-34 (1-4)	SB12-35 (1-3.8)	SB12-36 (1-4.1)	SB12-37 (2-4.4)	SB12-38 (0-3.8)	SB12-39 (1-4)	SB12-40 (1-3.9)
Start Depth (ft bgs):								4	1	1	1	1	1	2	0	1	1
End Depth (ft bgs):								6.6	3.9	4	4	3.8	4.1	4.4	3.8	4	3.9
Sample Date:								10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	11/1/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]										
Aluminum	7429-90-5	NC	NC	NC	NC	NC	NC	**14000**	**18000**	**24000**	**18000**	**3800**	**30000**	**27000**	**9500**	**3000**	**15000**
Antimony	7440-36-0	NC	NC	NC	NC	NC	NC	3 UJ	3.1 UJ	3 UJ	2.9 UJ	2.7 UJ	3.2 UJ	3 UJ	3.1 UJ	2.6 UJ	2.9 UJ
Arsenic	7440-38-2	13	16	16	16	16	16	**7.6**	3.1 U	3 U	2.9 U	**12**	3.2 U	3 U	**10**	**15**	2.9 U
Barium	7440-39-3	350	350	400	400	10000	820	**78**	**91**	**200**	**150**	**23**	**180**	**230**	**63**	**18**	**170**
Beryllium	7440-41-7	7.2	14	72	590	2700	47	**0.3 J**	**0.31 J**	**0.3 J**	**0.29 J**	**0.27 J**	**0.32 J**	**0.32**	**0.31 J**	**0.26 J**	0.29 U
Cadmium	7440-43-9	2.5	2.5	4.3	9.3	60	7.5	**0.32**	**0.31**	**0.35**	**0.33**	**0.27 J**	**0.35**	**0.35**	**0.39**	**0.26 J**	**0.29 J**
Calcium	7440-70-2	NC	NC	NC	NC	NC	NC	**130000 D**	**2300**	**3900**	**3600**	**150000 D**	**5000**	**4300**	**130000 D**	**190000 D**	**3900**
Chromium	7440-47-3	30	36	180	1500	6800	NC	**15**	**17**	**27**	**22**	**5.6**	**31**	**30**	**11**	**4.3**	**19**
Cobalt	7440-48-4	NC	30[CP]	NC	NC	NC	NC	**7.1**	**11**	**15**	**12**	**2.7 J**	**19**	**18**	**5.7**	**2.6 J**	**18**
Copper	7440-50-8	50	270	270	270	10000	1720	**8.6**	**7.5**	**20**	**14**	**3.4**	**23**	**27**	**7.4**	**2.5**	**13**
Iron	7439-89-6	NC	2000[CP]	NC	NC	NC	NC	**17000**	**19000**	**28000**	**22000**	**7000**	**31000**	**30000**	**13000**	**5500**	**20000 B**
Lead	7439-92-1	63	400	400	1000	3900	450	**9.7**	**9.6**	**7.9**	**7.8**	**2.2**	**9.4**	**8.7**	**5.2**	**1.6**	**5.7**
Magnesium	7439-95-4	NC	NC	NC	NC	NC	NC	**5500**	**3600**	**6000**	**5100**	**11000**	**6200**	**7200**	**10000**	**13000**	**5000**
Manganese	7439-96-5	1600	2000	2000	10000	10000	2000	**360 J**	**750 J**	**570 J**	**700 J**	**340 J**	**450 J**	**670 J**	**380 J**	**390 J**	**610 J**
Mercury	7439-97-6	0.18	0.81	0.81	2.8	5.7	0.73	**0.031**	**0.045**	**0.032 J**	**0.03 J**	**0.027 J**	**0.033**	**0.031 J**	**0.031 J**	**0.026 J**	**0.047**
Nickel	7440-02-0	30	140	310	310	10000	130	**12**	**12**	**20**	**19**	**4.4**	**22**	**25**	**8.7**	**4.4**	**18**
Potassium	7440-09-07	NC	NC	NC	NC	NC	NC	**1600**	**1100**	**2200**	**1700**	**1100**	**2500**	**2900**	**1200**	**880**	**2300**
Selenium	7782-49-2	3.9	36	180	1500	6800	4	3 U	3.1 U	3 U	2.9 U	2.7 U	3.2 U	3 U	3.1 U	2.6 U	2.9 U
Silver	7440-22-4	2	36	180	1500	6800	8.3	0.59 U	0.61 U	0.6 U	0.59 U	0.54 U	0.64 U	0.59 U	0.62 U	0.52 U	0.57 U
Sodium	7440-23-5	NC	NC	NC	NC	NC	NC	**150**	**120 J**	**170**	**120**	**110**	**130 J**	**130**	**130**	**150**	**170**
Thallium	7440-28-0	NC	NC	NC	NC	NC	NC	3 U	3.1 U	3 U	2.9 U	**2.7 J**	3.2 U	3 U	3.1 U	**2.9**	2.9 U
Vanadium	7440-62-2	NC	100[CP]	NC	NC	NC	NC	**21**	**34**	**41**	**33**	**7.8**	**46**	**45**	**18**	**14**	**28**
Zinc	7440-66-6	109	2200	10000	10000	10000	2480	**43**	**52**	**61**	**47**	**29**	**59**	**71**	**39**	**19**	**53**
Cyanide (Amenable)	57-12-5	27	27	27	27	10000	40	**1.5**	0.45 U	0.61 U	0.33 U	0.49 U	0.6 U	**2**	**1.1**	**0.38 J**	0.6 U

Notes:
All units in milligrams per kilogram (mg/kg)
D - Sample diluted for analysis
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds CP-51 Supplemental Residential SCO
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3C
Subsuface Soil Analytical Data - Inorganics
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-41	SB12-42	SB12-42	SB12-44	SB12-45	SB12-46	SB12-47
							Sample ID:	SB12-41 (1-4)	SB12-42 (2-4)	SB12-FD03	SB12-44 (2-3.5FT)	SB12-45 (2-4FT)	SB12-46 (4-6FT)	SB12-47 (2-4FT)
							Start Depth (ft bgs):	1	2	2	2	2	4	2
							End Depth (ft bgs):	4	4	4	3.5	4	6	4
							Sample Date:	11/1/2012	11/8/2012	11/10/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]							
Aluminum	7429-90-5	NC	NC	NC	NC	NC	NC	**7100**	**28000**	**22000**	**19000**	**24000**	**12000**	**19000**
Antimony	7440-36-0	NC	NC	NC	NC	NC	NC	2.9 UJ	3.5 UJ	2.4 UJ	2.8 UJ	3.2 UJ	3 UJ	3.1 UJ
Arsenic	7440-38-2	13	16	16	16	16	16	**3.2**	3.5 U	2.4 U	2.8 U	3.2 U	3 U	3.1 U
Barium	7440-39-3	350	350	400	400	10000	820	**61**	**280**	**200**	**150**	**120**	**78**	**190**
Beryllium	7440-41-7	7.2	14	72	590	2700	47	**0.29 J**	**0.35 J**	**0.33**	0.28 U	**1.1**	0.3 U	0.31 U
Cadmium	7440-43-9	2.5	2.5	4.3	9.3	60	7.5	**0.29 J**	**0.61**	**0.41**	**0.31**	**0.47**	**0.3 J**	**0.31**
Calcium	7440-70-2	NC	NC	NC	NC	NC	NC	**59000 D**	**7600 J**	**5000 J**	**3400 J**	**8400 J**	**3200 J**	**6600 J**
Chromium	7440-47-3	30	36	180	1500	6800	NC	**10**	**32**	**23**	**23**	**26**	**24**	**30**
Cobalt	7440-48-4	NC	30[CP]	NC	NC	NC	NC	**3.7**	**15**	**11**	**8.8**	**9.4**	**11**	**15**
Copper	7440-50-8	50	270	270	270	10000	1720	**7.5**	**28 J**	**16 J**	**15**	**13**	**9.3**	**24**
Iron	7439-89-6	NC	2000[CP]	NC	NC	NC	NC	**11000 B**	**31000**	**25000**	**26000 D**	**29000 D**	**20000**	**34000 D**
Lead	7439-92-1	63	400	400	1000	3900	450	**3.7**	**7.7**	**6.1**	**6.3**	**11**	**4.8**	**7.9**
Magnesium	7439-95-4	NC	NC	NC	NC	NC	NC	**8900**	**6300**	**4500**	**4400**	**8300**	**8800**	**9200**
Manganese	7439-96-5	1600	2000	2000	10000	10000	2000	**360 J**	**310**	**230**	**420**	**580**	**660**	**700**
Mercury	7439-97-6	0.18	0.81	0.81	2.8	5.7	0.73	**0.03 J**	**0.23**	**0.093**	**0.029 J**	**0.054**	**0.029 J**	**0.03 J**
Nickel	7440-02-0	30	140	310	310	10000	130	**7.3**	**24**	**17**	**16**	**22**	**16**	**25**
Potassium	7440-09-07	NC	NC	NC	NC	NC	NC	**850**	**2300**	**1800**	**1900**	**3200**	**1800**	**3600**
Selenium	7782-49-2	3.9	36	180	1500	6800	4	2.9 U	3.5 U	2.4 U	2.8 U	3.2 U	3 U	3.1 U
Silver	7440-22-4	2	36	180	1500	6800	8.3	0.57 U	0.7 U	0.48 U	**0.57 J**	0.63 U	0.6 U	0.63 U
Sodium	7440-23-5	NC	NC	NC	NC	NC	NC	**110 J**	**150**	**97**	**120**	**430**	**210**	**420**
Thallium	7440-28-0	NC	NC	NC	NC	NC	NC	2.9 U	3.5 U	2.4 U	2.8 U	3.2 U	3 U	3.1 U
Vanadium	7440-62-2	NC	100[CP]	NC	NC	NC	NC	**17**	**45**	**36**	**34**	**26**	**32**	**46**
Zinc	7440-66-6	109	2200	10000	10000	10000	2480	**17**	**64**	**49**	**45**	**59**	**31**	**63**
Cyanide (Amenable)	57-12-5	27	27	27	27	10000	40	0.56 U	0.49 U	0.44 U	0.51 U	0.46 U	0.5 U	0.52 U

Notes:
All units in milligrams per kilogram (mg/kg)
D - Sample diluted for analysis
ft bgs - feet below ground surface
J - Estimated value
NC - No criteria established
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds CP-51 Supplemental Residential SCO
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3D
Subsuface Soil Analytical Data - Polychlorinated Biphenyls
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

								Location ID:	SB12-01	SB12-02	SB12-03	SB12-04	SB12-05	SB12-06	SB12-07	SB12-08	SB12-09	SB12-10
								Sample ID:	SB12-01(4-6)	SB12-02(8-12)	SB12-03(0-4)	SB12-04(4-6)	SB12-05(0.5-3.3)	SB12-06(0-3.3)	SB12-07(0-3.9)	SB12-08(0-4)	SB12-09(0-4)	SB12-10(2-4)
								Start Depth (ft bgs):	4	8	0	4	0.5	0	0	0	0	2
								End Depth (ft bgs):	6	12	4	6	3.3	3.3	3.9	4	4	4
								Sample Date:	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/30/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]											
Aroclor 1268	11100-14-4	0.1	1	1	1	25	3.2		0.025 U	0.037 U	0.025 U	0.023 U	0.024 U	0.024 U	0.023 U	0.024 U	0.023 U	0.025 U
Aroclor-1016	12674-11-2	0.1	1	1	1	25	3.2		0.025 U	0.037 U	0.025 U	0.023 U	0.024 U	0.024 U	0.023 U	0.024 U	0.023 U	0.025 U
Aroclor-1221	11104-28-2	0.1	1	1	1	25	3.2		0.025 U	0.037 U	0.025 U	0.023 U	0.024 U	0.024 U	0.023 U	0.024 U	0.023 U	0.025 U
Aroclor-1232	11141-16-5	0.1	1	1	1	25	3.2		0.025 U	0.037 U	0.025 U	0.023 U	0.024 U	0.024 U	0.023 U	0.024 U	0.023 U	0.025 U
Aroclor-1242	53469-21-9	0.1	1	1	1	25	3.2		0.025 U	0.037 U	0.025 U	0.023 U	0.024 U	0.024 U	0.023 U	0.024 U	0.023 U	0.025 U
Aroclor-1248	12672-29-6	0.1	1	1	1	25	3.2		0.025 U	0.037 U	0.025 U	0.023 U	0.024 U	0.024 U	0.023 U	0.024 U	0.023 U	0.025 U
Aroclor-1254	11097-69-1	0.1	1	1	1	25	3.2		0.025 U	0.037 U	0.025 U	0.023 U	0.024 U	0.024 U	0.023 U	0.024 U	0.023 U	0.025 U
Aroclor-1260	11096-82-5	0.1	1	1	1	25	3.2		0.025 U	0.037 U	0.025 U	0.023 U	0.024 U	0.024 U	0.023 U	0.024 U	0.023 U	0.025 U
Aroclor-1262	37324-23-5	0.1	1	1	1	25	3.2		0.025 U	0.037 U	0.025 U	0.023 U	0.024 U	0.024 U	0.023 U	0.024 U	0.023 U	0.025 U
Total PCBs	NA	0.1	1	1	1	25	3.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
NA - Not Analyzed
ND - Not Detected
U - Not detected at the detection limit shown,

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3D
Subsuface Soil Analytical Data - Polychlorinated Biphenyls
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-10	SB12-11	SB12-12	SB12-13	SB12-14	SB12-15	SB12-16	SB12-17	SB12-18	SB12-19
							Sample ID:	SB12-FD01	SB12-11(3-4.7)	SB12-12(0-4)	SB12-13(2-4)	SB12-14(0-4)	SB12-15(0-4)	SB12-16(0-4)	SB12-17(0-4)	SB12-18(2-4)	SB12-19(2-4)
							Start Depth (ft bgs):	2	3	0	2	0	0	0	0	2	2
							End Depth (ft bgs):	4	4.7	4	4	4	4	4	4	4	4
							Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]										
Aroclor 1268	11100-14-4	0.1	1	1	1	25	3.2	0.025 U	0.026 U	0.021 U	0.024 U	0.024 U	0.025 U	0.021 U	0.025 U	0.024 U	0.025 U
Aroclor-1016	12674-11-2	0.1	1	1	1	25	3.2	0.025 U	0.026 U	0.021 U	0.024 U	0.024 U	0.025 U	0.021 U	0.025 U	0.024 U	0.025 U
Aroclor-1221	11104-28-2	0.1	1	1	1	25	3.2	0.025 U	0.026 U	0.021 U	0.024 U	0.024 U	0.025 U	0.021 U	0.025 U	0.024 U	0.025 U
Aroclor-1232	11141-16-5	0.1	1	1	1	25	3.2	0.025 U	0.026 U	0.021 U	0.024 U	0.024 U	0.025 U	0.021 U	0.025 U	0.024 U	0.025 U
Aroclor-1242	53469-21-9	0.1	1	1	1	25	3.2	0.025 U	0.026 U	0.021 U	0.024 U	0.024 U	0.025 U	0.021 U	0.025 U	0.024 U	0.025 U
Aroclor-1248	12672-29-6	0.1	1	1	1	25	3.2	0.025 U	0.026 U	0.021 U	0.024 U	0.024 U	0.025 U	0.021 U	0.025 U	0.024 U	0.025 U
Aroclor-1254	11097-69-1	0.1	1	1	1	25	3.2	0.025 U	0.026 U	0.021 U	0.024 U	0.024 U	0.025 U	0.021 U	0.025 U	0.024 U	0.025 U
Aroclor-1260	11096-82-5	0.1	1	1	1	25	3.2	0.025 U	0.026 U	0.021 U	0.024 U	0.024 U	0.025 U	0.021 U	0.025 U	0.024 U	0.025 U
Aroclor-1262	37324-23-5	0.1	1	1	1	25	3.2	0.025 U	0.026 U	0.021 U	0.024 U	0.024 U	0.025 U	0.021 U	0.025 U	0.024 U	0.025 U
Total PCBs	NA	0.1	1	1	1	25	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
NA - Not Analyzed
ND - Not Detected
U - Not detected at the detection limit shown,

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3D
Subsuface Soil Analytical Data - Polychlorinated Biphenyls
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

								Location ID:	SB12-22	SB12-23	SB12-24	SB12-25	SB12-26	SB12-27	SB12-28	SB12-29	SB12-30	SB12-30
								Sample ID:	SB12-22(0-3)	SB12-23(4-6)	SB12-24(0-3)	SB12-25 (1-3)	SB12-26 (1-4)	SB12-27 (1-4)	SB12-28 (1-4)	SB12-29 (1-3.7)	SB12-30 (1-3.9)	SB12-FD02
								Start Depth (ft bgs):	0	4	0	1	1	1	1	1	1	12
								End Depth (ft bgs):	3	6	3	3	4	4	4	3.7	3.9	30
								Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]										
Aroclor 1268	11100-14-4	0.1	1	1	1	25	3.2		0.026 U	0.024 U	0.025 U	0.026 U	0.025 U	0.025 U	0.024 U	0.025 U	0.025 U	0.024 U
Aroclor-1016	12674-11-2	0.1	1	1	1	25	3.2		0.026 U	0.024 U	0.025 U	0.026 U	0.025 U	0.025 U	0.024 U	0.025 U	0.025 U	0.024 U
Aroclor-1221	11104-28-2	0.1	1	1	1	25	3.2		0.026 U	0.024 U	0.025 U	0.026 U	0.025 U	0.025 U	0.024 U	0.025 U	0.025 U	0.024 U
Aroclor-1232	11141-16-5	0.1	1	1	1	25	3.2		0.026 U	0.024 U	0.025 U	0.026 U	0.025 U	0.025 U	0.024 U	0.025 U	0.025 U	0.024 U
Aroclor-1242	53469-21-9	0.1	1	1	1	25	3.2		0.026 U	0.024 U	0.025 U	0.026 U	0.025 U	0.025 U	0.024 U	0.025 U	0.025 U	0.024 U
Aroclor-1248	12672-29-6	0.1	1	1	1	25	3.2		0.026 U	0.024 U	0.025 U	0.026 U	0.025 U	0.025 U	0.024 U	0.025 U	0.025 U	0.024 U
Aroclor-1254	11097-69-1	0.1	1	1	1	25	3.2		0.026 U	0.024 U	0.025 U	0.026 U	0.025 U	0.025 U	0.024 U	0.025 U	0.025 U	0.024 U
Aroclor-1260	11096-82-5	0.1	1	1	1	25	3.2		0.026 U	0.024 U	0.025 U	0.026 U	0.025 U	0.025 U	0.024 U	0.025 U	0.025 U	0.024 U
Aroclor-1262	37324-23-5	0.1	1	1	1	25	3.2		0.026 U	0.024 U	0.025 U	0.026 U	0.025 U	0.025 U	0.024 U	0.025 U	0.025 U	0.024 U
Total PCBs	NA	0.1	1	1	1	25	3.2		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
NA - Not Analyzed
ND - Not Detected
U - Not detected at the detection limit shown,

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3D
Subsuface Soil Analytical Data - Polychlorinated Biphenyls
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

								Location ID:	SB12-31	SB12-32	SB12-33	SB12-34	SB12-35	SB12-36	SB12-37	SB12-38	SB12-39	SB12-40
								Sample ID:	SB12-31 (4-6.6)	SB12-32 (1-3.9)	SB12-33 (1-4)	SB12-34 (1-4)	SB12-35 (1-3.8)	SB12-36 (1-4.1)	SB12-37 (2-4.4)	SB12-38 (0-3.8)	SB12-39 (1-4)	SB12-40 (1-3.9)
								Start Depth (ft bgs):	4	1	1	1	1	1	2	0	1	1
								End Depth (ft bgs):	6.6	3.9	4	4	3.8	4.1	4.4	3.8	4	3.9
								Sample Date:	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	11/1/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]											
Aroclor 1268	11100-14-4	0.1	1	1	1	25	3.2		0.025 U	0.024 U	0.026 U	0.024 U	0.022 U	0.026 U	0.025 U	0.025 U	0.021 U	0.024 U
Aroclor-1016	12674-11-2	0.1	1	1	1	25	3.2		0.025 U	0.024 U	0.026 U	0.024 U	0.022 U	0.026 U	0.025 U	0.025 U	0.021 U	0.024 U
Aroclor-1221	11104-28-2	0.1	1	1	1	25	3.2		0.025 U	0.024 U	0.026 U	0.024 U	0.022 U	0.026 U	0.025 U	0.025 U	0.021 U	0.024 U
Aroclor-1232	11141-16-5	0.1	1	1	1	25	3.2		0.025 U	0.024 U	0.026 U	0.024 U	0.022 U	0.026 U	0.025 U	0.025 U	0.021 U	0.024 U
Aroclor-1242	53469-21-9	0.1	1	1	1	25	3.2		0.025 U	0.024 U	0.026 U	0.024 U	0.022 U	0.026 U	0.025 U	0.025 U	0.021 U	0.024 U
Aroclor-1248	12672-29-6	0.1	1	1	1	25	3.2		0.025 U	0.024 U	0.026 U	0.024 U	0.022 U	0.026 U	0.025 U	0.025 U	0.021 U	0.024 U
Aroclor-1254	11097-69-1	0.1	1	1	1	25	3.2		0.025 U	0.024 U	0.026 U	0.024 U	0.022 U	0.026 U	0.025 U	0.025 U	0.021 U	0.024 U
Aroclor-1260	11096-82-5	0.1	1	1	1	25	3.2		0.025 U	**0.098**	0.026 U	0.024 U	0.022 U	0.026 U	0.025 U	0.025 U	0.021 U	0.024 U
Aroclor-1262	37324-23-5	0.1	1	1	1	25	3.2		0.025 U	0.024 U	0.026 U	0.024 U	0.022 U	0.026 U	0.025 U	0.025 U	0.021 U	0.024 U
Total PCBs	NA	0.1	1	1	1	25	3.2		ND	0.098	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
NA - Not Analyzed
ND - Not Detected
U - Not detected at the detection limit shown,

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3D
Subsuface Soil Analytical Data - Polychlorinated Biphenyls
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

								Location ID:	SB12-41	SB12-42	SB12-42	SB12-44	SB12-45	SB12-46	SB12-47
								Sample ID:	SB12-41 (1-4)	SB12-42 (2-4)	SB12-FD03	SB12-44 (2-3.5FT)	SB12-45 (2-4FT)	SB12-46 (4-6FT)	SB12-47 (2-4FT)
								Start Depth (ft bgs):	1	2	2	2	2	4	2
								End Depth (ft bgs):	4	4	4	3.5	4	6	4
								Sample Date:	11/1/2012	11/8/2012	11/10/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]							
Aroclor 1268	11100-14-4	0.1	1	1	1	25	3.2		0.024 U	0.028 U	0.02 U	0.023 U	0.026 U	0.023 U	0.025 U
Aroclor-1016	12674-11-2	0.1	1	1	1	25	3.2		0.024 U	0.028 U	0.02 U	0.023 U	0.026 U	0.023 U	0.025 U
Aroclor-1221	11104-28-2	0.1	1	1	1	25	3.2		0.024 U	0.028 U	0.02 U	0.023 U	0.026 U	0.023 U	0.025 U
Aroclor-1232	11141-16-5	0.1	1	1	1	25	3.2		0.024 U	0.028 U	0.02 U	0.023 U	0.026 U	0.023 U	0.025 U
Aroclor-1242	53469-21-9	0.1	1	1	1	25	3.2		0.024 U	0.028 U	0.02 U	0.023 U	0.026 U	0.023 U	0.025 U
Aroclor-1248	12672-29-6	0.1	1	1	1	25	3.2		0.024 U	0.028 U	0.02 U	0.023 U	0.026 U	0.023 U	0.025 U
Aroclor-1254	11097-69-1	0.1	1	1	1	25	3.2		0.024 U	0.028 U	0.02 U	0.023 U	0.026 U	0.023 U	0.025 U
Aroclor-1260	11096-82-5	0.1	1	1	1	25	3.2		0.024 U	0.028 U	0.02 U	0.023 U	0.026 U	0.023 U	0.025 U
Aroclor-1262	37324-23-5	0.1	1	1	1	25	3.2		0.024 U	0.028 U	0.02 U	0.023 U	0.026 U	0.023 U	0.025 U
Total PCBs	NA	0.1	1	1	1	25	3.2		ND	ND	ND	ND	ND	ND	ND

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
NA - Not Analyzed
ND - Not Detected
U - Not detected at the detection limit shown,

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3E
Subsuface Soil Analytical Data - Pesticides
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]	Location ID:	SB12-01	SB12-02	SB12-03	SB12-04	SB12-05	SB12-06	SB12-07	SB12-08	SB12-09	SB12-10
								Sample ID:	SB12-01(4-6)	SB12-02(8-12)	SB12-03(0-4)	SB12-04(4-6)	SB12-05(0.5-3.3)	SB12-06(0-3.3)	SB12-07(0-3.9)	SB12-08(0-4)	SB12-09(0-4)	SB12-10(2-4)
								Start Depth (ft bgs):	4	8	0	4	0.5	0	0	0	0	2
								End Depth (ft bgs):	6	12	4	6	3.3	3.3	3.9	4	4	4
								Sample Date:	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/29/2012	10/30/2012
4-4-DDD	72-54-8	0.0033	2.6	13	92	180	14		0.0013 U	0.0018 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U
4-4-DDE	72-55-9	0.0033	1.8	8.9	62	120	17		0.0013 U	0.0018 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0011 U	0.0012 U	0.0012 U	0.0012 U
4-4-DDT	50-29-3	0.0033	1.7	7.9	47	94	136		0.0013 UJ	0.0018 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0011 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ
a-BHC	319-84-6	0.02	0.097	0.48	3.4	6.8	0.02		0.0063 U	0.0092 U	0.0062 U	0.0058 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.0058 U	0.0062 U
Alachlor	15972-60-8	NC	NC	NC	NC	NC	NC		0.025 U	0.037 U	0.025 U	0.023 U	0.024 U	0.024 U	0.023 U	0.024 U	0.023 U	0.025 U
Aldrin	309-00-2	0.005	0.019	0.097	0.68	1.4	0.19		0.0025 U	0.0037 U	0.0025 U	0.0023 U	0.0024 U	0.0024 U	0.0023 U	0.0024 U	0.0023 U	0.0025 U
b-BHC	319-85-7	0.036	0.072	0.36	3	14	0.09		0.0063 U	0.0092 U	0.0062 U	0.0058 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.0058 U	0.0062 U
Chlordane	57-74-9	NC	NC	NC	NC	NC	NC		0.025 U	0.037 U	0.025 U	0.023 U	0.024 U	0.024 U	0.023 U	0.024 U	0.023 U	0.025 U
d-BHC	319-86-8	0.04	100	100	500	1000	0.25		0.0063 U	0.0092 U	0.0062 U	0.0058 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.0058 U	0.0062 U
Dieldrin	60-57-1	0.005	0.039	0.2	1.4	2.8	0.1		0.0025 U	0.0037 U	0.0025 U	0.0023 U	0.0024 U	0.0024 U	0.0023 U	0.0024 U	0.0023 U	0.0025 U
Endosulfan I	959-98-8	2.4	4.8	24	200	920	102		0.0063 U	0.0092 U	0.0062 U	0.0058 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.0058 U	0.0062 U
Endosulfan II	33213-65-9	2.4	4.8	24	200	920	102		0.01 U	0.015 U	0.0099 U	0.0093 U	0.0096 U	0.0098 U	0.009 U	0.0095 U	0.0092 U	0.0099 U
Endosulfan Sulfate	1031-07-8	2.4	4.8	24	200	920	1000		0.01 U	0.015 U	0.0099 U	0.0093 U	0.0096 U	0.0098 U	0.009 U	0.0095 U	0.0092 U	0.0099 U
Endrin	72-20-8	0.014	2.2	11	89	410	0.06		0.01 UJ	0.015 UJ	0.0099 UJ	0.0093 UJ	0.0096 UJ	0.0098 UJ	0.009 UJ	0.0095 UJ	0.0092 UJ	0.0099 UJ
Endrin Aldehyde	7421-93-4	NC	NC	NC	NC	NC	NC		0.01 U	0.015 U	0.0099 U	0.0093 U	0.0096 U	0.0098 U	0.009 U	0.0095 U	0.0092 U	0.0099 U
Endrin Ketone	53494-70-5	NC	NC	NC	NC	NC	NC		0.01 U	0.015 U	0.0099 U	0.0093 U	0.0096 U	0.0098 U	0.009 U	0.0095 U	0.0092 U	0.0099 U
Heptachlor	76-44-8	0.042	0.42	2.1	15	29	0.38		0.0063 U	0.0092 U	0.0062 U	0.0058 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.0058 U	0.0062 U
Heptachlor Epoxide	1024-57-3	NC	NC	NC	NC	NC	NC		0.0063 U	0.0092 U	0.0062 U	0.0058 U	0.006 U	0.0061 U	0.0056 U	0.006 U	0.0058 U	0.0062 U
Hexachlorobenzene	118-74-1	0.33	0.33	1.2	6	12	3.2		0.0075 U	0.011 U	0.0074 U	0.007 U	0.0072 U	0.0073 U	0.0068 U	0.0071 U	0.0069 U	0.0074 U
Lindane	58-89-9	0.1	0.28	1.3	9.2	23	0.1		0.0025 U	0.0037 U	0.0025 U	0.0023 U	0.0024 U	0.0024 U	0.0023 U	0.0024 U	0.0023 U	0.0025 U
Methoxychlor	72-43-5	NC	100[CP]	NC	NC	NC	900[CP]		0.063 U	0.092 U	0.062 U	0.058 U	0.06 U	0.061 U	0.056 U	0.06 U	0.058 U	0.062 U
Toxaphene	8001-35-2	NC	NC	NC	NC	NC	NC		0.13 U	0.18 U	0.12 U	0.12 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.12 U

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3E
Subsuface Soil Analytical Data - Pesticides
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-10	SB12-11	SB12-12	SB12-13	SB12-14	SB12-15	SB12-16	SB12-17	SB12-18	SB12-19
							Sample ID:	SB12-FD01	SB12-11(3-4.7)	SB12-12(0-4)	SB12-13(2-4)	SB12-14(0-4)	SB12-15(0-4)	SB12-16(0-4)	SB12-17(0-4)	SB12-18(2-4)	SB12-19(2-4)
							Start Depth (ft bgs):	2	3	0	2	0	0	0	0	2	2
							End Depth (ft bgs):	4	4.7	4	4	4	4	4	4	4	4
							Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012	10/30/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]										
4-4-DDD	72-54-8	0.0033	2.6	13	92	180	14	0.0012 U	0.0013 U	0.001 U	0.0012 U	0.0012 U	0.0013 U	0.001 U	0.0012 U	0.0012 U	0.0013 U
4-4-DDE	72-55-9	0.0033	1.8	8.9	62	120	17	0.0012 U	0.0013 U	0.001 U	0.0012 U	0.0012 U	0.0013 U	0.001 U	0.0012 U	0.0012 U	0.0013 U
4-4-DDT	50-29-3	0.0033	1.7	7.9	47	94	136	0.0012 UJ	0.0013 UJ	0.001 UJ	0.0012 UJ	0.0012 UJ	0.0013 UJ	0.001 UJ	0.0012 UJ	0.0012 UJ	0.0013 UJ
a-BHC	319-84-6	0.02	0.097	0.48	3.4	6.8	0.02	0.0062 U	0.0065 U	0.0052 U	0.006 U	0.0059 U	0.0063 U	0.0052 U	0.0062 U	0.0061 U	0.0063 U
Alachlor	15972-60-8	NC	NC	NC	NC	NC	NC	0.025 U	0.026 U	0.021 U	0.024 U	0.024 U	0.025 U	0.021 U	0.025 U	0.024 U	0.025 U
Aldrin	309-00-2	0.005	0.019	0.097	0.68	1.4	0.19	0.0025 U	0.0026 U	0.0021 U	0.0024 U	0.0024 U	0.0025 U	0.0021 U	0.0025 U	0.0024 U	0.0025 U
b-BHC	319-85-7	0.036	0.072	0.36	3	14	0.09	0.0062 U	0.0065 U	0.0052 U	0.006 U	0.0059 U	0.0063 U	0.0052 U	0.0062 U	0.0061 U	0.0063 U
Chlordane	57-74-9	NC	NC	NC	NC	NC	NC	0.025 U	0.026 U	0.021 U	0.024 U	0.024 U	0.025 U	0.021 U	0.025 U	0.024 U	0.025 U
d-BHC	319-86-8	0.04	100	100	500	1000	0.25	0.0062 U	0.0065 U	0.0052 U	0.006 U	0.0059 U	0.0063 U	0.0052 U	0.0062 U	0.0061 U	0.0063 U
Dieldrin	60-57-1	0.005	0.039	0.2	1.4	2.8	0.1	0.0025 U	0.0026 U	0.0021 U	0.0024 U	0.0024 U	0.0025 U	0.0021 U	0.0025 U	0.0024 U	0.0025 U
Endosulfan I	959-98-8	2.4	4.8	24	200	920	102	0.0062 U	0.0065 U	0.0052 U	0.006 U	0.0059 U	0.0063 U	0.0052 U	0.0062 U	0.0061 U	0.0063 U
Endosulfan II	33213-65-9	2.4	4.8	24	200	920	102	0.0099 U	0.01 U	0.0083 U	0.0096 U	0.0095 U	0.01 U	0.0084 U	0.01 U	0.0098 U	0.01 U
Endosulfan Sulfate	1031-07-8	2.4	4.8	24	200	920	1000	0.0099 U	0.01 U	0.0083 U	0.0096 U	0.0095 U	0.01 U	0.0084 U	0.01 U	0.0098 U	0.01 U
Endrin	72-20-8	0.014	2.2	11	89	410	0.06	0.0099 UJ	0.01 UJ	0.0083 UJ	0.0096 UJ	0.0095 UJ	0.01 UJ	0.0084 UJ	0.01 UJ	0.0098 UJ	0.01 UJ
Endrin Aldehyde	7421-93-4	NC	NC	NC	NC	NC	NC	0.0099 U	0.01 U	0.0083 U	0.0096 U	0.0095 U	0.01 U	0.0084 U	0.01 U	0.0098 U	0.01 U
Endrin Ketone	53494-70-5	NC	NC	NC	NC	NC	NC	0.0099 U	0.01 U	0.0083 U	0.0096 U	0.0095 U	0.01 U	0.0084 U	0.01 U	0.0098 U	0.01 U
Heptachlor	76-44-8	0.042	0.42	2.1	15	29	0.38	0.0062 U	0.0065 U	0.0052 U	0.006 U	0.0059 U	0.0063 U	0.0052 U	0.0062 U	0.0061 U	0.0063 U
Heptachlor Epoxide	1024-57-3	NC	NC	NC	NC	NC	NC	0.0062 U	0.0065 U	0.0052 U	0.006 U	0.0059 U	0.0063 U	0.0052 U	0.0062 U	0.0061 U	0.0063 U
Hexachlorobenzene	118-74-1	0.33	0.33	1.2	6	12	3.2	0.0075 U	0.0078 U	0.0063 U	0.0072 U	0.0071 U	0.0076 U	0.0063 U	0.0075 U	0.0073 U	0.0075 U
Lindane	58-89-9	0.1	0.28	1.3	9.2	23	0.1	0.0025 U	0.0026 U	0.0021 U	0.0024 U	0.0024 U	0.0025 U	0.0021 U	0.0025 U	0.0024 U	0.0025 U
Methoxychlor	72-43-5	NC	100[CP]	NC	NC	NC	900[CP]	0.062 U	0.065 U	0.052 U	0.06 U	0.059 U	0.063 U	0.052 U	0.062 U	0.061 U	0.063 U
Toxaphene	8001-35-2	NC	NC	NC	NC	NC	NC	0.12 U	0.13 U	0.1 U	0.12 U	0.12 U	0.13 U	0.1 U	0.12 U	0.12 U	0.13 U

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3E
Subsuface Soil Analytical Data - Pesticides
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]	Location ID:	SB12-22	SB12-23	SB12-24	SB12-25	SB12-26	SB12-27	SB12-28	SB12-29	SB12-30	SB12-30
								Sample ID:	SB12-22(0-3)	SB12-23(4-6)	SB12-24(0-3)	SB12-25 (1-3)	SB12-26 (1-4)	SB12-27 (1-4)	SB12-28 (1-4)	SB12-29 (1-3.7)	SB12-30 (1-3.9)	SB12-FD02
								Start Depth (ft bgs):	0	4	0	1	1	1	1	1	1	12
								End Depth (ft bgs):	3	6	3	3	4	4	4	3.7	3.9	30
								Sample Date:	10/30/2012	10/30/2012	10/30/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012
4-4-DDD	72-54-8	0.0033	2.6	13	92	180	14		0.0013 U	0.0012 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U
4-4-DDE	72-55-9	0.0033	1.8	8.9	62	120	17		0.0013 U	0.0012 U	0.0013 U	0.0013 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0013 U	0.0012 U
4-4-DDT	50-29-3	0.0033	1.7	7.9	47	94	136		**0.0037 NJ**	0.0012 UJ	0.0013 UJ	0.0013 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0012 UJ	0.0013 UJ	0.0012 UJ
a-BHC	319-84-6	0.02	0.097	0.48	3.4	6.8	0.02		0.0064 U	0.006 U	0.0063 U	0.0066 U	0.0062 U	0.0062 U	0.0061 U	0.0062 U	0.0063 U	0.006 U
Alachlor	15972-60-8	NC	NC	NC	NC	NC	NC		0.026 U	0.024 U	0.025 U	0.026 U	0.025 U	0.025 U	0.024 U	0.025 U	0.025 U	0.024 U
Aldrin	309-00-2	0.005	0.019	0.097	0.68	1.4	0.19		0.0026 U	0.0024 U	0.0025 U	0.0026 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U
b-BHC	319-85-7	0.036	0.072	0.36	3	14	0.09		0.0064 U	0.006 U	0.0063 U	0.0066 U	0.0062 U	0.0062 U	0.0061 U	0.0062 U	0.0063 U	0.006 U
Chlordane	57-74-9	NC	NC	NC	NC	NC	NC		0.026 U	0.024 U	0.025 U	0.026 U	0.025 U	0.025 U	0.024 U	0.025 U	0.025 U	0.024 U
d-BHC	319-86-8	0.04	100	100	500	1000	0.25		0.0064 U	0.006 U	0.0063 U	0.0066 U	0.0062 U	0.0062 U	0.0061 U	0.0062 U	0.0063 U	0.006 U
Dieldrin	60-57-1	0.005	0.039	0.2	1.4	2.8	0.1		0.0026 U	0.0024 U	0.0025 U	0.0026 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U
Endosulfan I	959-98-8	2.4	4.8	24	200	920	102		0.0064 U	0.006 U	0.0063 U	0.0066 U	0.0062 U	0.0062 U	0.0061 U	0.0062 U	0.0063 U	0.006 U
Endosulfan II	33213-65-9	2.4	4.8	24	200	920	102		0.01 U	0.0097 U	0.01 U	0.011 U	0.01 U	0.0099 U	0.0098 U	0.0099 U	0.01 U	0.0096 U
Endosulfan Sulfate	1031-07-8	2.4	4.8	24	200	920	1000		0.01 U	0.0097 U	0.01 U	0.011 U	0.01 U	0.0099 U	0.0098 U	0.0099 U	0.01 U	0.0096 U
Endrin	72-20-8	0.014	2.2	11	89	410	0.06		0.01 UJ	0.0097 UJ	0.01 UJ	0.011 UJ	0.01 UJ	0.0099 UJ	0.0098 UJ	0.0099 UJ	0.01 UJ	0.0096 UJ
Endrin Aldehyde	7421-93-4	NC	NC	NC	NC	NC	NC		0.01 U	0.0097 U	0.01 U	0.011 U	0.01 U	0.0099 U	0.0098 U	0.0099 U	0.01 U	0.0096 U
Endrin Ketone	53494-70-5	NC	NC	NC	NC	NC	NC		0.01 U	0.0097 U	0.01 U	0.011 U	0.01 U	0.0099 U	0.0098 U	0.0099 U	0.01 U	0.0096 U
Heptachlor	76-44-8	0.042	0.42	2.1	15	29	0.38		0.0064 U	0.006 U	0.0063 U	0.0066 U	0.0062 U	0.0062 U	0.0061 U	0.0062 U	0.0063 U	0.006 U
Heptachlor Epoxide	1024-57-3	NC	NC	NC	NC	NC	NC		0.0064 U	0.006 U	0.0063 U	0.0066 U	0.0062 U	0.0062 U	0.0061 U	0.0062 U	0.0063 U	0.006 U
Hexachlorobenzene	118-74-1	0.33	0.33	1.2	6	12	3.2		0.0077 U	0.0073 U	0.0075 U	0.0079 U	0.0075 U	0.0074 U	0.0073 U	0.0074 U	0.0076 U	0.0072 U
Lindane	58-89-9	0.1	0.28	1.3	9.2	23	0.1		0.0026 U	0.0024 U	0.0025 U	0.0026 U	0.0025 U	0.0025 U	0.0024 U	0.0025 U	0.0025 U	0.0024 U
Methoxychlor	72-43-5	NC	100[CP]	NC	NC	NC	900[CP]		0.064 U	0.06 U	0.063 U	0.066 U	0.062 U	0.062 U	0.061 U	0.062 U	0.063 U	0.06 U
Toxaphene	8001-35-2	NC	NC	NC	NC	NC	NC		0.13 U	0.12 U	0.13 U	0.13 U	0.12 U	0.12 U	0.12 U	0.12 U	0.13 U	0.12 U

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3E
Subsuface Soil Analytical Data - Pesticides
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-31	SB12-32	SB12-33	SB12-34	SB12-35	SB12-36	SB12-37	SB12-38	SB12-39	SB12-40
							Sample ID:	SB12-31 (4-6.6)	SB12-32 (1-3.9)	SB12-33 (1-4)	SB12-34 (1-4)	SB12-35 (1-3.8)	SB12-36 (1-4.1)	SB12-37 (2-4.4)	SB12-38 (0-3.8)	SB12-39 (1-4)	SB12-40 (1-3.9)
							Start Depth (ft bgs):	4	1	1	1	1	1	2	0	1	1
							End Depth (ft bgs):	6.6	3.9	4	4	3.8	4.1	4.4	3.8	4	3.9
							Sample Date:	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	10/31/2012	11/1/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]										
4-4-DDD	72-54-8	0.0033	2.6	13	92	180	14	0.0013 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U
4-4-DDE	72-55-9	0.0033	1.8	8.9	62	120	17	0.0013 U	0.0012 U	0.0013 U	0.0012 U	0.0011 U	0.0013 U	0.0013 U	0.0012 U	0.0011 U	0.0012 U
4-4-DDT	50-29-3	0.0033	1.7	7.9	47	94	136	0.0013 UJ	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0011 UJ	0.0013 UJ	0.0013 UJ	0.0012 UJ	0.0011 UJ	0.0012 UJ
a-BHC	319-84-6	0.02	0.097	0.48	3.4	6.8	0.02	0.0063 U	0.0062 U	0.0065 U	0.0062 U	0.0055 U	0.0065 U	0.0063 U	0.0062 U	0.0053 U	0.0061 U
Alachlor	15972-60-8	NC	NC	NC	NC	NC	NC	0.025 U	0.025 U	0.026 U	0.025 U	0.022 U	0.026 U	0.025 U	0.025 U	0.021 U	0.024 U
Aldrin	309-00-2	0.005	0.019	0.097	0.68	1.4	0.19	0.0025 U	0.0025 U	0.0026 U	0.0025 U	0.0022 U	0.0026 U	0.0025 U	0.0025 U	0.0021 U	0.0024 U
b-BHC	319-85-7	0.036	0.072	0.36	3	14	0.09	0.0063 U	0.0062 U	0.0065 U	0.0062 U	0.0055 U	0.0065 U	0.0063 U	0.0062 U	0.0053 U	0.0061 U
Chlordane	57-74-9	NC	NC	NC	NC	NC	NC	0.025 U	0.025 U	0.026 U	0.025 U	0.022 U	0.026 U	0.025 U	0.025 U	0.021 U	0.024 U
d-BHC	319-86-8	0.04	100	100	500	1000	0.25	0.0063 U	0.0062 U	0.0065 U	0.0062 U	0.0055 U	0.0065 U	0.0063 U	0.0062 U	0.0053 U	0.0061 U
Dieldrin	60-57-1	0.005	0.039	0.2	1.4	2.8	0.1	0.0025 U	0.0025 U	0.0026 U	0.0025 U	0.0022 U	0.0026 U	0.0025 U	0.0025 U	0.0021 U	0.0024 U
Endosulfan I	959-98-8	2.4	4.8	24	200	920	102	0.0063 U	0.0062 U	0.0065 U	0.0062 U	0.0055 U	0.0065 U	0.0063 U	0.0062 U	0.0053 U	0.0061 U
Endosulfan II	33213-65-9	2.4	4.8	24	200	920	102	0.01 U	0.0099 U	0.01 U	0.01 U	0.0088 U	0.01 U	0.01 U	0.01 U	0.0085 U	0.0098 U
Endosulfan Sulfate	1031-07-8	2.4	4.8	24	200	920	1000	0.01 U	0.0099 U	0.01 U	0.01 U	0.0088 U	0.01 U	0.01 U	0.01 U	0.0085 U	0.0098 U
Endrin	72-20-8	0.014	2.2	11	89	410	0.06	0.01 UJ	0.0099 UJ	0.01 UJ	0.01 UJ	0.0088 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.0085 UJ	0.0098 UJ
Endrin Aldehyde	7421-93-4	NC	NC	NC	NC	NC	NC	0.01 U	0.0099 U	0.01 U	0.01 U	0.0088 U	0.01 U	0.01 U	0.01 U	0.0085 U	0.0098 U
Endrin Ketone	53494-70-5	NC	NC	NC	NC	NC	NC	0.01 U	0.0099 U	0.01 U	0.01 U	0.0088 U	0.01 U	0.01 U	0.01 U	0.0085 U	0.0098 U
Heptachlor	76-44-8	0.042	0.42	2.1	15	29	0.38	0.0063 U	0.0062 U	0.0065 U	0.0062 U	0.0055 U	0.0065 U	0.0063 U	0.0062 U	0.0053 U	0.0061 U
Heptachlor Epoxide	1024-57-3	NC	NC	NC	NC	NC	NC	0.0063 U	0.0062 U	0.0065 U	0.0062 U	0.0055 U	0.0065 U	0.0063 U	0.0062 U	0.0053 U	0.0061 U
Hexachlorobenzene	118-74-1	0.33	0.33	1.2	6	12	3.2	0.0075 U	0.0074 U	0.0078 U	0.0075 U	0.0066 U	0.0077 U	0.0076 U	0.0075 U	0.0064 U	0.0073 U
Lindane	58-89-9	0.1	0.28	1.3	9.2	23	0.1	0.0025 U	0.0025 U	0.0026 U	0.0025 U	0.0022 U	0.0026 U	0.0025 U	0.0025 U	0.0021 U	0.0024 U
Methoxychlor	72-43-5	NC	100[CP]	NC	NC	NC	900[CP]	0.063 U	0.062 U	0.065 U	0.062 U	0.055 U	0.065 U	0.063 U	0.062 U	0.053 U	0.061 U
Toxaphene	8001-35-2	NC	NC	NC	NC	NC	NC	0.13 U	0.12 U	0.13 U	0.12 U	0.11 U	0.13 U	0.13 U	0.12 U	0.11 U	0.12 U

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
U - Not detected at the detection limit shown,
UJ - The analyte was not detected. The reported quanitation limit is an estimate

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Exceeds NYS Part 375 Unrestricted, Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-3E
Subsuface Soil Analytical Data - Pesticides
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

							Location ID:	SB12-41	SB12-42	SB12-42	SB12-44	SB12-45	SB12-46	SB12-47
							Sample ID:	SB12-41 (1-4)	SB12-42 (2-4)	SB12-FD03	SB12-44 (2-3.5FT)	SB12-45 (2-4FT)	SB12-46 (4-6FT)	SB12-47 (2-4FT)
							Start Depth (ft bgs):	1	2	2	2	2	4	2
							End Depth (ft bgs):	4	4	4	3.5	4	6	4
							Sample Date:	11/1/2012	11/8/2012	11/10/2012	11/14/2012	11/14/2012	11/14/2012	11/14/2012
Chemical Name	CAS No.	Part 375 Unrestricted[1]	Part 375 Residential[2]	Part 375 Restricted-Residential[3]	Part 375 Commercial[4]	Part 375 Industrial[5]	Part 375 GW Protection[6]							
4-4-DDD	72-54-8	0.0033	2.6	13	92	180	14	0.0012 U	0.0014 U	0.00099 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U
4-4-DDE	72-55-9	0.0033	1.8	8.9	62	120	17	0.0012 U	0.0014 U	0.00099 U	0.0012 U	0.0013 U	0.0012 U	0.0012 U
4-4-DDT	50-29-3	0.0033	1.7	7.9	47	94	136	0.0012 UJ	0.0014 UJ	0.00099 UJ	0.0012 UJ	0.0013 UJ	0.0012 UJ	0.0012 UJ
a-BHC	319-84-6	0.02	0.097	0.48	3.4	6.8	0.02	0.006 U	0.0071 U	0.005 U	0.0059 U	0.0065 U	0.0058 U	0.0062 U
Alachlor	15972-60-8	NC	NC	NC	NC	NC	NC	0.024 U	0.028 U	0.02 U	0.023 U	0.026 U	0.023 U	0.025 U
Aldrin	309-00-2	0.005	0.019	0.097	0.68	1.4	0.19	0.0024 U	0.0028 U	0.002 U	0.0023 U	0.0026 U	0.0023 U	0.0025 U
b-BHC	319-85-7	0.036	0.072	0.36	3	14	0.09	0.006 U	0.0071 U	0.005 U	0.0059 U	0.0065 U	0.0058 U	0.0062 U
Chlordane	57-74-9	NC	NC	NC	NC	NC	NC	0.024 U	0.028 U	0.02 U	0.023 U	0.026 U	0.023 U	0.025 U
d-BHC	319-86-8	0.04	100	100	500	1000	0.25	0.006 U	0.0071 U	0.005 U	0.0059 U	0.0065 U	0.0058 U	0.0062 U
Dieldrin	60-57-1	0.005	0.039	0.2	1.4	2.8	0.1	0.0024 U	0.0028 U	0.002 U	0.0023 U	0.0026 U	0.0023 U	0.0025 U
Endosulfan I	959-98-8	2.4	4.8	24	200	920	102	0.006 U	0.0071 U	0.005 U	0.0059 U	0.0065 U	0.0058 U	0.0062 U
Endosulfan II	33213-65-9	2.4	4.8	24	200	920	102	0.0095 U	0.011 U	0.0079 U	0.0094 U	0.01 U	0.0093 U	0.0099 U
Endosulfan Sulfate	1031-07-8	2.4	4.8	24	200	920	1000	0.0095 U	0.011 U	0.0079 U	0.0094 U	0.01 U	0.0093 U	0.0099 U
Endrin	72-20-8	0.014	2.2	11	89	410	0.06	0.0095 UJ	0.011 UJ	0.0079 UJ	0.0094 UJ	0.01 UJ	0.0093 UJ	0.0099 UJ
Endrin Aldehyde	7421-93-4	NC	NC	NC	NC	NC	NC	0.0095 U	0.011 U	0.0079 U	0.0094 U	0.01 U	0.0093 U	0.0099 U
Endrin Ketone	53494-70-5	NC	NC	NC	NC	NC	NC	0.0095 U	0.011 U	0.0079 U	0.0094 U	0.01 U	0.0093 U	0.0099 U
Heptachlor	76-44-8	0.042	0.42	2.1	15	29	0.38	0.006 U	0.0071 U	0.005 U	0.0059 U	0.0065 U	0.0058 U	0.0062 U
Heptachlor Epoxide	1024-57-3	NC	NC	NC	NC	NC	NC	0.006 U	0.0071 U	0.005 U	0.0059 U	0.0065 U	0.0058 U	0.0062 U
Hexachlorobenzene	118-74-1	0.33	0.33	1.2	6	12	3.2	0.0072 U	0.0085 U	0.006 U	0.007 U	0.0078 U	0.007 U	0.0074 U
Lindane	58-89-9	0.1	0.28	1.3	9.2	23	0.1	0.0024 U	0.0028 U	0.002 U	0.0023 U	0.0026 U	0.0023 U	0.0025 U
Methoxychlor	72-43-5	NC	100[CP]	NC	NC	NC	900[CP]	0.06 U	0.071 U	0.05 U	0.059 U	0.065 U	0.058 U	0.062 U
Toxaphene	8001-35-2	NC	NC	NC	NC	NC	NC	0.12 U	0.14 U	0.099 U	0.12 U	0.13 U	0.12 U	0.12 U

Notes:
All units in milligrams per kilogram (mg/kg)
ft bgs - feet below ground surface
NC - No criteria established
NJ - The detection is tentative in identification and estimated in value
U - Not detected at the detection limit shown,
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	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
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	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
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[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006
[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Resdiential, December 14, 2006
[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006
[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006
[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006
[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006
[CP]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

Table 5-4A
Overburden Groundwater Analytical Data - Volatile Organic Compounds Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	TW12-03
			Sample ID:	TW12-03
			Sample Date:	12/6/2012
			Water-Bearing Zone:	Overburden
			Location:	On-Site
	CAS No.	Unit	NYS GW CLASS GA[1]	
1,1,1,2-tetrachloroethane	630-20-6	ug/l	5	1 U
1,1,1-trichloroethane	71-55-6	ug/l	5	**170**
1,1,2,2-tetrachloroethane	79-34-5	ug/l	5	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	5	**1 J**
1,1,2-trichloroethane	79-00-5	ug/l	1	1 U
1,1-dichloroethane	75-34-3	ug/l	5	**6.4**
1,1-dichloroethene	75-35-4	ug/l	5	**5.8**
1,1-dichloropropene	563-58-6	ug/l	5	2 U
1,2,3-trichlorobenzene	87-61-6	ug/l	5	5 U
1,2,3-trichloropropane	96-18-4	ug/l	0.04	2 U
1,2,4-trichlorobenzene	120-82-1	ug/l	5	5 U
1,2,4-trimethylbenzene	95-63-6	ug/l	5	1 U
1,2-dibromo-3-chloropropane	96-12-8	ug/l	0.04	5 UJ
1,2-dibromoethane (ethylene dibromide)	106-93-4	ug/l	0.0006	0.5 U
1,2-dichlorobenzene	95-50-1	ug/l	3	1 U
1,2-dichloroethane	107-06-2	ug/l	0.6	**1 J**
1,2-dichloropropane	78-87-5	ug/l	1	1 U
1,3,5- trichlorobenzene	108-70-3	ug/l	5	1 U
1,3,5-trimethylbenzene	108-67-8	ug/l	5	1 U
1,3-dichlorobenzene	541-73-1	ug/l	3	1 U
1,3-dichloropropane	142-28-9	ug/l	5	0.5 U
1,4-dichlorobenzene	106-46-7	ug/l	3	1 U
1,4-dioxane (p-dioxane)	123-91-1	ug/l	NC	R
2,2-dichloropropane	594-20-7	ug/l	5	1 U
2-hexanone	591-78-6	ug/l	50	10 U
4-isopropyltoluene	99-87-6	ug/l	5	1 U
Acetone	67-64-1	ug/l	50	**50 J**
Acrylonitrile	107-13-1	ug/l	5	5 U
Benzene	71-43-2	ug/l	1	1 U
Bromobenzene	108-86-1	ug/l	5	1 U
Bromochloromethane	74-97-5	ug/l	5	1 U
Bromodichloromethane	75-27-4	ug/l	50	0.5 U
Bromoform	75-25-2	ug/l	50	1 U
Bromomethane	74-83-9	ug/l	5	2 U
Carbon disulfide	75-15-0	ug/l	60	2 U
Carbon tetrachloride	56-23-5	ug/l	5	5 U
Chlorobenzene	108-90-7	ug/l	5	1 U
Chloroethane	75-00-3	ug/l	5	2 U
Chloroform	67-66-3	ug/l	7	2 U
Chloromethane	74-87-3	ug/l	5	**2 J**
Cis-1,2-dichloroethylene	156-59-2	ug/l	5	1 U
Cis-1,3-dichloropropene	10061-01-5	ug/l	0.4	0.5 U
Cyclohexane	110-82-7	ug/l	NC	NA
Dibromochloromethane	124-48-1	ug/l	50	0.5 U
Dibromomethane	74-95-3	ug/l	5	1 U
Dichlorodifluoromethane	75-71-8	ug/l	5	2 U
Diisopropyl ether	108-20-3	ug/l	NC	0.5 U
Ethyl ether	60-29-7	ug/l	NC	2 U
Ethylbenzene	100-41-4	ug/l	5	1 U
Hexachlorobutadiene	87-68-3	ug/l	0.5	0.5 U
Isopropylbenzene (cumene)	98-82-8	ug/l	5	1 U
M and p xylenes	179601-23-1	ug/l	NC	2 U
Methyl acetate	79-20-9	ug/l	NC	NA
Methyl ethyl ketone (2-butanone)	78-93-3	ug/l	50	20 U
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	ug/l	NC	10 U
Methylcyclohexane	108-87-2	ug/l	NC	NA
Methylene chloride	75-09-2	ug/l	5	5 U
Naphthalene	91-20-3	ug/l	10	5 U
N-butylbenzene	104-51-8	ug/l	5	1 U
N-propylbenzene	103-65-1	ug/l	5	1 U
O-chlorotoluene	95-49-8	ug/l	5	1 U
O-xylene (1,2-dimethylbenzene)	95-47-6	ug/l	5	1 U
P-chlorotoluene	106-43-4	ug/l	5	1 U
Sec-butylbenzene	135-98-8	ug/l	5	1 U
Styrene	100-42-5	ug/l	5	1 U
T-butyl alcohol	75-65-0	ug/l	NC	20 U
Tert-amyl methyl ether	994-05-8	ug/l	NC	0.5 U
Tert-butyl ethyl ether	637-92-3	ug/l	NC	0.5 U

Table 5-4A
Overburden Groundwater Analytical Data - Volatile Organic Compounds Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	TW12-03
			Sample ID:	TW12-03
			Sample Date:	12/6/2012
			Water-Bearing Zone:	Overburden
			Location:	On-Site
	CAS No.	Unit	NYS GW CLASS GA[1]	
Tert-butyl methyl ether	1634-04-4	ug/l	10	1 U
Tert-butylbenzene	98-06-6	ug/l	5	1 U
Tetrachloroethylene(pce)	127-18-4	ug/l	5	**1 J**
Tetrahydrofuran	109-99-9	ug/l	50	10 U
Toluene	108-88-3	ug/l	5	1 U
Trans-1,2-dichloroethene	156-60-5	ug/l	5	1 U
Trans-1,3-dichloropropene	10061-02-6	ug/l	0.4	0.5 U
Trans-1,4-dichlorobutene	110-57-6	ug/l	5	2 U
Trichloroethylene (tce)	79-01-6	ug/l	5	1 U
Trichlorofluoromethane	75-69-4	ug/l	5	2 U
Vinyl chloride	75-01-4	ug/l	2	2 U
Xylenes (total)	1330-20-7	ug/l	5	NA

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]

Bold - indicates compound detected

NC - No criteria exists, NA - Not Analyzed

U - Not Detected at the Detection Limit showne

J - Estimated value

R - Rejected during validation

Table 5-4B
Overburden Groundwater Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	TW12-03
			Sample ID:	TW12-03
			Sample Date:	12/6/2012
Chemical Name	CAS No.	Unit	NYS GW CLASS GA[1]	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	5	10 U
1,2-Diphenylhydrazine	122-66-7	ug/l	0	10 U
1-Methylnaphthalene	90-12-0	ug/l	NC	5 U
2,4,5-Trichlorophenol	95-95-4	ug/l	1	10 U
2,4,6-Trichlorophenol	88-06-2	ug/l	NC	10 U
2,4-Dichlorophenol	120-83-2	ug/l	5	10 U
2,4-Dimethylphenol	105-67-9	ug/l	50	10 U
2,4-Dinitrophenol	51-28-5	ug/l	10	10 U
2,4-Dinitrotoluene	121-14-2	ug/l	5	10 U
2,6-Dinitrotoluene	606-20-2	ug/l	5	10 U
2-Chloronaphthalene	91-58-7	ug/l	10	10 U
2-Chlorophenol	95-57-8	ug/l	1	10 U
2-Methylnaphthalene	91-57-6	ug/l	NC	1 U
2-Methylphenol	95-48-7	ug/l	1	10 U
2-Nitroaniline	88-74-4	ug/l	5	10 U
2-Nitrophenol	88-75-5	ug/l	1	10 U
3/4-Methyphenol (Total)	MEPH3MEPH4	ug/l	NC	10 U
3,3-Dichlorobenzidine	91-94-1	ug/l	5	10 UJ
3-Nitroaniline	99-09-2	ug/l	5	10 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	1	10 U
4-Bromophenyl-phenylether	101-55-3	ug/l	NC	10 U
4-Chloro-3-methylphenol	59-50-7	ug/l	1	10 U
4-Chloroaniline	106-47-8	ug/l	5	10 U
4-Chlorophenyl-phenylether	7005-72-3	ug/l	NC	10 U
4-Nitroaniline	100-01-6	ug/l	5	10 U
4-Nitrophenol	100-02-7	ug/l	1	10 UJ
Acenaphthene	83-32-9	ug/l	NC	0.3 U
Acenaphthylene	208-96-8	ug/l	NC	0.3 U
Acetophenone	98-86-2	ug/l	NC	10 U
Aniline	62-53-3	ug/l	5	5 U
Anthracene	120-12-7	ug/l	50	0.2 U
Benzo[a]anthracene	56-55-3	ug/l	0.002	0.05 U
Benzo[a]pyrene	50-32-8	ug/l	0	0.1 U
Benzo[b]fluoranthene	205-99-2	ug/l	0.002	0.05 U
Benzo[g,h,i]perylene	191-24-2	ug/l	NC	0.5 U
Benzo[k]fluoranthene	207-08-9	ug/l	0.002	0.2 U
Benzidine	92-87-5	ug/l	5	R
Benzoic Acid	65-85-0	ug/l	NC	10 U
Bis(2-Chloroethoxy)methane	111-91-1	ug/l	5	10 U
Bis(2-Chloroethyl)Ether	111-44-4	ug/l	1	10 U
Bis(2-chloroisopropyl)ether	39638-32-9	ug/l	NC	10 U
Bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	5	10 U
Butylbenzylphthalate	85-68-7	ug/l	50	10 U
Carbazole	86-74-8	ug/l	NC	10 U
Chrysene	218-01-9	ug/l	0.002	0.2 U
Dibenzo[a,h]Anthracene	53-70-3	ug/l	NC	0.2 U
Dibenzofuran	132-64-9	ug/l	NC	5 U
Diethylphthalate	84-66-2	ug/l	50	10 U
Dimethylphthalate	131-11-3	ug/l	50	10 U
Di-n-butylphthalate	84-74-2	ug/l	50	10 U
Di-n-octylphthalate	117-84-0	ug/l	50	10 U
Fluoranthene	206-44-0	ug/l	50	0.5 U
Fluorene	86-73-7	ug/l	50	1 U
Hexachlorocyclopentadiene	77-47-4	ug/l	5	10 U
Hexachloroethane	67-72-1	ug/l	5	10 U
Indeno[1,2,3-cd]pyrene	193-39-5	ug/l	0.002	0.2 U
Isophorone	78-59-1	ug/l	50	10 U
Nitrobenzene	98-95-3	ug/l	0.4	10 U
N-Nitrosodimethylamine	62-75-9	ug/l	NC	5 U
N-Nitroso-Di-N-Propylamine	621-64-7	ug/l	NC	10 U
N-Nitrosodiphenylamine	86-30-6	ug/l	50	10 U
Pentachloronitrobenzene	82-68-8	ug/l	0	10 UJ
Pentachlorophenol	87-86-5	ug/l	NC	10 U
Phenanthrene	85-01-8	ug/l	50	0.05 U
Phenol	108-95-2	ug/l	NC	10 U
Pyrene	129-00-0	ug/l	50	1 U
Pyridine	110-86-1	ug/l	50	5 U
1,4-Dioxane	123-91-1	ug/l	0.35*	NA

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]

* - Guidance value

Bold - indicates compound detected

NC - No criteria exists, NA - Not Analyzed

U - Not Detected at the Detection Limit shown, J - Estimated value

R - Rejected during validation

Table 5-4C
Overburden Groundwater Analytical Data - Inorganics
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	TW12-03
			Sample ID:	TW12-03
			Sample Date:	12/6/2012
Chemical Name	CAS No.	Unit	NYS GW CLASS GA[1]	
Aluminum	7429-90-5	mg/l	NC	**0.054**
Antimony	7440-36-0	mg/l	0.003	0.05 U
Arsenic	7440-38-2	mg/l	0.025	0.01 U
Barium	7440-39-3	mg/l	1	**0.05 J**
Beryllium	7440-41-7	mg/l	0.003	0.004 U
Cadmium	7440-43-9	mg/l	0.005	0.004 U
Calcium	7440-70-2	mg/l	NC	**55**
Chromium	7440-47-3	mg/l	0.05	0.01 U
Cobalt	7440-48-4	mg/l	NC	0.05 U
Copper	7440-50-8	mg/l	0.2	0.01 U
Iron	7439-89-6	mg/l	0.3	**0.05 J**
Lead	7439-92-1	mg/l	0.025	0.01 U
Magnesium	7439-95-4	mg/l	35	**3.3**
Manganese	7439-96-5	mg/l	0.3	**0.01 J**
Mercury	7439-97-6	mg/l	0.0007	0.0001 U
Mercury	7439-97-6	ng/l	700	NA
Molybdenum	7439-98-7	ug/l	NC	NA
Nickel	7440-02-0	mg/l	0.1	0.01 U
Potassium	7440-09-7	mg/l	NC	**2 J**
Selenium	7782-49-2	mg/l	0.01	0.05 U
Silver	7440-22-4	mg/l	0.05	0.005 U
Sodium	7440-23-5	mg/l	20	**4.6**
Thallium	7440-28-0	mg/l	0.0005	0.05 U
Vanadium	7440-62-2	mg/l	NC	0.01 U
Zinc	7440-66-6	mg/l	2	**0.02 J**
Cyanide (Amenable)	57-12-5	mg/l	0.2	0.01 U

Notes:
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]
Bold - indicates compound detected
NC - No criteria exists, NA - Not Analyzed
U - Not Detected at the Detection Limit shown, J - Estimated value

Table 5-4D
Overburden Groundwater Analytical Data - Polychlorinated Biphenyls
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	TW12-03
			Sample ID:	TW12-03
			Sample Date:	12/6/2012
Chemical Name	CAS No.	Unit	NYS GW CLASS GA[1]	
Aroclor 1268	11100-14-4	ug/l	0.09	< 0.02 U
Aroclor-1016	12674-11-2	ug/l	0.09	< 0.02 U
Aroclor-1221	11104-28-2	ug/l	0.09	< 0.02 U
Aroclor-1232	11141-16-5	ug/l	0.09	< 0.02 U
Aroclor-1242	53469-21-9	ug/l	0.09	< 0.02 U
Aroclor-1248	12672-29-6	ug/l	0.09	< 0.02 U
Aroclor-1254	11097-69-1	ug/l	0.09	< 0.02 U
Aroclor-1260	11096-82-5	ug/l	0.09	< 0.02 U
Aroclor-1262	37324-23-5	ug/l	0.09	< 0.02 U
Total PCBs	NA	ug/l	0.09	ND

Notes:
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Bold - indicates compound detected
NC - No criteria exists, NA - Not Analyzed
U - Not Detected at the Detection Limit shown

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Table 5-4E
Overburden Groundwater Analytical Data - Pesticides
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	TW12-03
			Sample ID:	TW12-03
			Sample Date:	12/6/2012
Chemical Name	CAS No.	Unit	NYS GW CLASS GA[1]	
4-4-DDD	72-54-8	ug/l	0.3	0.004 U
4-4-DDE	72-55-9	ug/l	0.2	0.004 U
4-4-DDT	50-29-3	ug/l	0.2	0.004 UJ
a-BHC	319-84-6	ug/l	0.01	0.005 U
Alachlor	15972-60-8	ug/l	0.5	0.02 U
Aldrin	309-00-2	ug/l	0	0.005 U
b-BHC	319-85-7	ug/l	0.04	0.005 U
Chlordane	57-74-9	ug/l	0.05	0.02 U
d-BHC	319-86-8	ug/l	0.04	0.005 U
Dieldrin	60-57-1	ug/l	0.004	0.0002 U
Endosulfan I	959-98-8	ug/l	NC	0.005 U
Endosulfan II	33213-65-9	ug/l	NC	0.008 U
Endosulfan Sulfate	1031-07-8	ug/l	NC	0.008 U
Endrin	72-20-8	ug/l	0	0.008 UJ
Endrin Aldehyde	7421-93-4	ug/l	5	0.008 U
Endrin Ketone	53494-70-5	ug/l	5	0.008 U
Heptachlor	76-44-8	ug/l	0.04	0.005 U
Heptachlor Epoxide	1024-57-3	ug/l	0.03	0.005 U
Hexachlorobenzene	118-74-1	ug/l	0.04	0.005 U
Lindane	58-89-9	ug/l	0.05	0.003 U
Methoxychlor	72-43-5	ug/l	35	0.05 U
Toxaphene	8001-35-2	ug/l	0.06	0.051 U

Notes:
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Bold - indicates compound detected
NC - No criteria exists, NA - Not Analyzed
U - Not Detected at the Detection Limit shown, J - Estimated value

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Table 5-5
Summary Statistics for Constituents Detected in Shallow Bedrock Groundwater
Former Bomax Manufacturing
Site No. 623009
Watertown, New York

Detected Constituent	Detected Concentration Range	Geomean Detected Concentration	Frequency of Detections	Frequency of Detections Above TOGS 1.1.1 Class GA Standards/Guidance
VOCs (ug/L)				
1,1,1-Trichloroethane	0.98 J - 1600	53.1	59 / 105	50 / 105
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	1 J - 290	13.4	29 / 105	20 / 105
1,1,2-Trichloroethane	ND - 1 J	1 J	1 / 105	0 / 105
1,1-Dichloroethane	0.383 J - 1400	46.6	54 / 105	45 / 105
1,1-Dichloroethene	0.217 J - 42	4.6	34 / 105	17 / 105
1,2-Dibromo-3-chloropropane	ND - 5 J	5 J	1 / 105	0 / 105
1,2-Dichloroethane	ND - 1 J	1 J	4 / 105	4 / 105
Acetone	3.1 J - 50 J	14.7	24 / 105	0 / 105
Benzene	0.16 J - 1.1	0.59	10 / 105	2 / 105
Bromodichloromethane	ND - 0.76	0.76	1 / 105	0 / 105
Bromomethane	3.2 J - 5.05 J	4.02	2 / 105	1 / 105
Carbon disulfide	0.39 J - 2 J	0.88	5 / 105	0 / 105
Chloroethane	1.1 - 31 J	7.1	11 / 105	6 / 105
Chloroform	0.251 J - 3.2	1.06	14 / 105	0 / 105
Chloromethane	ND - 3.6 J	3.6 J	2 / 105	0 / 105
cis-1,2-Dichloroethene	1 J - 1.8	1.2	4 / 105	0 / 105
Dibromochloromethane	ND - 2.1 J	2.1 J	1 / 105	0 / 105
Ethylbenzene	0.122 J - 0.146 J	0.133	2 / 105	0 / 105
m,p-Xylene	0.332 J - 2 J	1.4	5 / 65	0 / 65
Methyl ethyl ketone	ND - 20 J	20.0	1 / 105	0 / 105
Methylcyclohexane	0.18 J - 0.27 J	0.22	2 / 54	0 / 54
o-Xylene	ND - 0.132 J	0.132 J	1 / 64	0 / 64
t-Butyl alcohol	ND - 20 J	20 J	1 / 50	0 / 50
Tetrachloroethene	0.169 J - 4.9 J	0.95	10 / 105	0 / 105
Toluene	0.125 J - 1.4	0.58	16 / 105	0 / 105
trans-1,2-Dichloroethene	ND - 1 J	1 J	1 / 105	0 / 105
Trichloroethene	0.704 J - 4	2.00	6 / 105	0 / 105
SVOCs (ug/L)				
Fluoranthene	ND - 0.5 J	0.5 J	2 / 10	0 / 10
Pyrene	ND - 1 J	1 J	1 / 10	0 / 10
1,4-Dioxane	0.13 J - 970	9.7	26 / 33	23 / 33
Inorganics (mg/L)				
Aluminum	0.051 - 9.8 J	0.44	7 / 10	0 / 10
Arsenic	0.012 - 0.15	0.042	2 / 10	1 / 10
Barium	0.05 J - 0.28	0.07	10 / 10	0 / 10
Beryllium	ND - 0.004 J	0.004 J	1 / 10	0 / 10
Calcium	31 - 2100	108	10 / 10	0 / 10
Chromium	0.01 J - 0.027	0.016	2 / 10	0 / 10
Cobalt	ND - 0.05 J	0.05 J	1 / 10	0 / 10
Copper	0.01 - 0.026	0.014	3 / 10	0 / 10
Cyanide (Amenable)	0.01 J - 0.091	0.03	2 / 11	0 / 11
Iron	0.05 J - 45	1.70	10 / 10	8 / 10
Lead	ND - 0.01 J	0.01 J	2 / 10	2 / 10
Magnesium	11 - 170	35.0	10 / 10	5 / 10
Manganese	0.01 J - 1.1	0.070	9 / 10	1 / 10
Nickel	0.01 J - 0.076	0.019	7 / 10	0 / 10
Potassium	2 J - 24	8.20	10 / 10	0 / 10
Silver	0.0067 J - 0.0077	0.0072	2 / 10	0 / 10
Sodium	10 - 630	83.2	10 / 10	9 / 10
Thallium	ND - 0.05 J	0.05 J	1 / 10	0 / 10
Zinc	0.02 J - 0.045	0.03	6 / 10	0 / 10
Per- and Polyfluoroalkyl Substances (ng/L)				
Perfluorobutanesulfonic acid (PFBS)	0.43 J - 1.2 J	0.72	2 / 3	0 / 3
Perfluorobutanoic acid (PFBA)	2.2 - 3.7	2.85	2 / 3	0 / 3
Perfluoroheptanoic acid (PFHpA)	ND - 1.2 J	1.2 J	1 / 3	0 / 3
Perfluorohexanoic acid (PFHxA)	0.79 J - 1.8	1.19	2 / 3	0 / 3
Perfluorononanoic acid (PFNA)	ND - 0.48 J	0.48 J	1 / 3	0 / 3
Perfluorooctanesulfonic acid (PFOS)	0.59 J - 4.8 J	2.07	3 / 3	2 / 3
Perfluorooctanoic acid (PFOA)	0.51 J - 3.3 J	1.50	3 / 3	0 / 3
Perfluoropentanoic acid (PFPeA)	ND - 3.6 J	3.6 J	1 / 3	0 / 3

Notes: ug/Kg - micrograms per kilogram
ug/L - micrograms per liter
J - estimated concentration

Table 5-5A
Shallow Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3
			Sample ID:	MW-1	MW-1-110513	MW-1-111315	MW-1_031419	MW-1-072519	MW-1-111721	MW-2	MW-2-110513	MW-2-111315	MW-2_031419	MW-2-072519	MW-2-111721	MW-3	MW-3-110513	MW-3-111315
			Sample Date:	12/6/2012	11/5/2013	11/13/2015	3/14/2019	7/25/2019	11/17/2021	12/6/2012	11/5/2013	11/13/2015	3/14/2019	7/25/2019	11/17/2021	12/6/2012	11/5/2013	11/13/2015
			Water-Bearing Zone:	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock
			Location:	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site
	CAS No.	Unit	NYS GW CLASS GA[1]															
1,1,1,2-tetrachloroethane	630-20-6	ug/l	5	1 U	1 U	1 U	NA	NA	NA	1 U	10 UD	4 U	NA	NA	NA	1 U	1 U	1 U
1,1,1-trichloroethane	71-55-6	ug/l	5	**1 J**	1 U	1 UJ	1.0 U	1.0 U	1.0 U	**41**	**76 D**	**14 J**	**230**	**78**	**42**	1 U	1 U	1 UJ
1,1,2,2-tetrachloroethane	79-34-5	ug/l	5	0.5 U	0.5 U	0.5 UJ	1.0 U	1.0 U	1.0 U	0.5 U	5 UD	2 UJ	10 U	10 U	5.0 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	5	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	**1 J**	10 UD	4 U	10 U	10 U	5.0 U	1 U	1 U	1 UJ
1,1,2-trichloroethane	79-00-5	ug/l	1	1 U	1 U	1 UJ	1.0 U	1.0 U	1.0 U	1 U	10 UD	4 UJ	10 U	10 U	5.0 U	1 U	1 U	1 U
1,1-dichloroethane	75-34-3	ug/l	5	**1 J**	1 U	1 U	1.0 U	1.0 U	1.0 U	**260**	**350 D**	**94**	**560**	**250**	**210 J**	1 U	1 U	1 UJ
1,1-dichloroethene	75-35-4	ug/l	5	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	**1 J**	10 UD	4 U	10 U	**3.6 J**	5.0 U	1 U	1 U	1 UJ
1,1-dichloropropene	563-58-6	ug/l	5	2 U	2 U	2 U	NA	NA	NA	2 U	20 UD	8 U	NA	NA	NA	2 U	2 U	2 UJ
1,2,3-trichlorobenzene	87-61-6	ug/l	5	5 U	5 U	5 U	NA	NA	NA	5 U	50 UD	20 U	NA	NA	NA	5 UJ	5 U	5 U
1,2,3-trichloropropane	96-18-4	ug/l	0.04	2 U	2 U	2 U	NA	NA	NA	2 U	20 UD	8 U	NA	NA	NA	2 U	2 U	2 U
1,2,4-trichlorobenzene	120-82-1	ug/l	5	5 U	1 U	1 U	1.0 U	1.0 U	1.0 U	5 U	10 UD	4 U	10 U	10 U	5.0 U	5 U	1 U	1 U
1,2,4-trimethylbenzene	95-63-6	ug/l	5	1 U	1 U	1 U	NA	NA	NA	1 U	10 UD	4 U	NA	NA	NA	1 U	1 U	1 U
1,2-dibromo-3-chloropropane	96-12-8	ug/l	0.04	5 UJ	5 U	5 U	1.0 U	1.0 U	1.0 U	5 UJ	50 UD	20 U	10 U	10 U	5.0 U	5 UJ	5 U	**5 J**
1,2-dibromoethane (ethylene dibromide)	106-93-4	ug/l	0.0006	0.5 U	0.5 U	0.5 UJ	1.0 U	1.0 U	1.0 U	0.5 U	5 UD	2 UJ	10 U	10 U	5.0 U	0.5 U	0.5 U	0.5 UJ
1,2-dichlorobenzene	95-50-1	ug/l	3	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	10 UD	4 U	10 U	10 U	5.0 U	1 U	1 U	1 UJ
1,2-dichloroethane	107-06-2	ug/l	0.6	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	**1 J**	10 UD	4 U	10 U	10 U	5.0 U	1 U	1 U	1 U
1,2-dichloropropane	78-87-5	ug/l	1	1 U	1 U	1 UJ	1.0 U	1.0 U	1.0 U	1 U	10 UD	4 UJ	10 U	10 U	5.0 UJ	1 U	1 U	1 U
1,3,5- trichlorobenzene	108-70-3	ug/l	5	1 U	1 U	1 U	NA	NA	NA	1 U	10 UD	4 U	NA	NA	NA	1 U	1 U	1 U
1,3,5-trimethylbenzene	108-67-8	ug/l	5	1 U	1 U	1 U	NA	NA	NA	1 U	10 UD	4 U	NA	NA	NA	1 U	1 U	1 U
1,3-dichlorobenzene	541-73-1	ug/l	3	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	10 UD	4 U	10 U	10 U	5.0 U	1 U	1 U	1 UJ
1,3-dichloropropane	142-28-9	ug/l	5	0.5 U	0.5 U	0.5 U	NA	NA	NA	0.5 U	5 UD	2 U	NA	NA	NA	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	106-46-7	ug/l	3	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	10 UD	4 U	10 U	10 U	5.0 U	1 U	1 U	1 U
2,2-dichloropropane	594-20-7	ug/l	5	1 U	1 U	1 UJ	NA	NA	NA	1 U	10 UD	4 UJ	NA	NA	NA	1 U	1 U	1 U
2-hexanone	591-78-6	ug/l	50	10 U	10 U	10 UJ	5.0 U	5.0 U	5.0 U	10 U	100 UD	40 UJ	50 U	50 U	25 U	10 U	10 U	10 UJ
4-isopropyltoluene	99-87-6	ug/l	5	1 U	1 U	1 U	NA	NA	NA	1 U	10 UD	4 U	NA	NA	NA	1 U	1 U	1 UJ
Acetone	67-64-1	ug/l	50	**50 J**	50 U	**8.55 J**	10 U	**7.5 J**	10 U	**50 J**	500 UD	200 UJ	100 U	100 U	50 U	**50 J**	**7.5 J**	50 U
Acrylonitrile	107-13-1	ug/l	5	5 U	5 U	5 U	NA	NA	NA	5 U	50 UD	20 U	NA	NA	NA	5 U	5 U	5 U
Benzene	71-43-2	ug/l	1	**1 J**	1 U	1 UJ	1.0 U	1.0 U	1.0 U	1 U	10 UD	4 UJ	10 U	10 U	5.0 U	1 U	1 U	1 U
Bromobenzene	108-86-1	ug/l	5	1 U	1 U	1 U	NA	NA	NA	1 U	10 UD	4 U	NA	NA	NA	1 U	1 U	1 U
Bromochloromethane	74-97-5	ug/l	5	1 U	1 U	1 UJ	NA	NA	NA	1 U	10 UD	4 UJ	NA	NA	NA	1 U	1 U	1 U
Bromodichloromethane	75-27-4	ug/l	50	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	1.0 U	0.5 U	5 UD	2 U	10 U	10 U	5.0 UJ	0.5 U	0.5 U	0.5 U
Bromoform	75-25-2	ug/l	50	1 U	1 U	1 U	1.0 U	1.0 U	1.0 UJ	1 U	10 UD	4 U	10 U	10 U	5.0 UJ	1 U	1 U	1 UJ
Bromomethane	74-83-9	ug/l	5	2 U	2 UJ	5 U	1.0 U	1.0 U	1.0 U	2 U	20 UJ	20 U	10 U	10 U	5.0 U	2 UJ	2 UJ	2 U
Carbon disulfide	75-15-0	ug/l	60	2 U	4 U	4 U	1.0 U	**0.82 J**	1.0 UJ	2 U	40 UD	16 U	10 U	10 U	5.0 UJ	2 U	4 U	4 U
Carbon tetrachloride	56-23-5	ug/l	5	5 U	5 U	5 UJ	1.0 U	1.0 U	1.0 U	5 U	50 UD	20 UJ	10 U	10 U	5.0 U	5 U	5 U	5 U
Chlorobenzene	108-90-7	ug/l	5	1 U	1 U	1 UJ	1.0 U	1.0 U	1.0 U	1 U	10 UD	4 UJ	10 U	10 U	5.0 U	1 U	1 U	1 UJ
Chloroethane	75-00-3	ug/l	5	2 U	2 U	2 U	1.0 U	1.0 U	1.0 U	**17**	20 UD	**4.37**	**8.9 J**	**12**	5.0 UT	2 U	2 U	2 U
Chloroform	67-66-3	ug/l	7	2 U	2 U	2 U	1.0 U	1.0 U	1.0 U	2 U	20 UD	8 U	10 U	10 U	5.0 U	2 U	2 U	2 U
Chloromethane	74-87-3	ug/l	5	2 U	2 UJ	2 U	1.0 U	1.0 U	1.0 U	2 U	20 UJ	8 U	10 U	10 U	5.0 U	2 U	2 UJ	2 U
Cis-1,2-dichloroethylene	156-59-2	ug/l	5	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	**1 J**	10 UD	4 U	10 U	10 U	5.0 U	1 U	1 U	1 U
Cis-1,3-dichloropropene	10061-01-5	ug/l	0.4	0.5 U	0.5 U	0.5 UJ	1.0 U	1.0 U	1.0 U	0.5 U	5 UD	2 UJ	10 U	10 U	5.0 U	0.5 U	0.5 U	0.5 UJ
Cyclohexane	110-82-7	ug/l	NC	NA	NA	NA	1.0 U	1.0 U	1.0 U	NA	NA	NA	10 U	10 U	5.0 U	NA	NA	NA
Dibromochloromethane	124-48-1	ug/l	50	0.5 U	0.5 U	0.5 UJ	1.0 U	1.0 U	1.0 UJ	0.5 U	5 UD	2 UJ	10 U	10 U	5.0 UJ	0.5 U	0.5 U	0.5 UJ
Dibromomethane	74-95-3	ug/l	5	1 U	1 U	1 U	NA	NA	NA	1 U	10 UD	4 U	NA	NA	NA	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	5	2 U	2 U	2 U	1.0 U	1.0 U	1.0 U	2 U	20 UD	8 U	10 U	10 U	5.0 U	2 U	2 U	2 U
Diisopropyl ether	108-20-3	ug/l	NC	0.5 U	0.5 U	0.5 U	NA	NA	NA	0.5 U	5 UD	2 U	NA	NA	NA	0.5 U	0.5 U	0.5 U
Ethyl ether	60-29-7	ug/l	NC	2 U	2 U	2 U	NA	NA	NA	2 U	20 UD	8 U	NA	NA	NA	2 U	2 U	2 U
Ethylbenzene	100-41-4	ug/l	5	1 U	1 U	1 UJ	1.0 U	1.0 U	1.0 U	1 U	10 UD	4 UJ	10 U	10 U	5.0 U	1 U	1 U	1 UJ
Hexachlorobutadiene	87-68-3	ug/l	0.5	0.5 U	0.5 U	0.5 U	NA	NA	NA	0.5 U	5 UD	2 U	NA	NA	NA	0.5 U	0.5 U	0.5 UJ
Isopropylbenzene (cumene)	98-82-8	ug/l	5	1 U	1 U	1 UJ	1.0 U	1.0 U	1.0 U	1 U	10 UD	4 UJ	10 U	10 U	5.0 U	1 U	1 U	1 UJ
M and p xylenes	179601-23-1	ug/l	NC	2 U	2 U	2 UJ	NA	2.0 U	NA	**2 J**	20 UD	8 UJ	NA	20 U	NA	2 U	2 U	2 UJ
Methyl acetate	79-20-9	ug/l	NC	NA	NA	NA	2.5 U	2.5 U	2.5 U	NA	NA	NA	25 U	25 U	13 U	NA	NA	NA
Methyl ethyl ketone (2-butanone)	78-93-3	ug/l	50	20 U	20 U	20 U	10 U	10 U	10 U	20 U	200 UD	80 U	100 U	100 U	50 U	20 U	20 U	20 U
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	ug/l	NC	10 U	10 U	10 UJ	5.0 U	5.0 U	5.0 U	10 U	100 UD	40 UJ	50 U	50 U	25 U	10 U	10 U	10 UJ
Methylcyclohexane	108-87-2	ug/l	NC	NA	NA	NA	1.0 U	1.0 U	1.0 U	NA	NA	NA	10 U	10 U	5.0 U	NA	NA	NA
Methylene chloride	75-09-2	ug/l	5	5 U	5 U	5 U	1.0 U	1.0 U	1.0 U	5 U	50 UD	20 U	10 U	10 U	5.0 U	5 U	5 U	5 U
Naphthalene	91-20-3	ug/l	10	5 U	2 U	2 U	NA	NA	NA	5 U	20 UD	8 U	NA	NA	NA	5 U	2 U	2 U
N-butylbenzene	104-51-8	ug/l	5	1 U	1 U	1 U	NA	NA	NA	1 U	10 UD	4 U	NA	NA	NA	1 U	1 U	1 U
N-propylbenzene	103-65-1	ug/l	5	1 U	1 U	1 U	NA	NA	NA	1 U	10 UD	4 U	NA	NA	NA	1 U	1 U	1 U
O-chlorotoluene	95-49-8	ug/l	5	1 U	1 U	1 U	NA	NA	NA	1 U	10 UD	4 U	NA	NA	NA	1 U	1 U	1 UJ
O-xylene (1,2-dimethylbenzene)	95-47-6	ug/l	5	1 U	1 U	1 UJ	NA	1.0 U	NA	1 U	10 UD	4 UJ	NA	10 U	NA	1 U	1 U	1 U
P-chlorotoluene	106-43-4	ug/l	5	1 U	1 U	1 U	NA	NA	NA	1 U	10 UD	4 U	NA	NA	NA	1 U	1 U	1 U
Sec-butylbenzene	135-98-8	ug/l	5	1 U	1 U	1 U	NA	NA	NA	1 U	10 UD	4 U	NA	NA	NA	1 U	1 U	1 U
Styrene	100-42-5	ug/l	5	1 U	1 U	1 UJ	1.0 U	1.0 U	1.0 U	1 U	10 UD	4 UJ	10 U	10 U	5.0 U	1 U	1 U	1 UJ
T-butyl alcohol	75-65-0	ug/l	NC	20 U	20 U	20 U	NA	NA	NA	**20 J**	200 UD	80 U	NA	NA	NA	20 U	20 U	20 U
Tert-amyl methyl ether	994-05-8	ug/l	NC	0.5 U	0.5 U	0.5 U	NA	NA	NA	0.5 U	5 UD	2 U	NA	NA	NA	0.5 U	0.5 U	0.5 U
Tert-butyl ethyl ether	637-92-3	ug/l	NC	0.5 U	0.5 U	0.5 U	NA	NA	NA	0.5 U	5 UD	2 U	NA	NA	NA	0.5 U	0.5 U	0.5 UJ
Tert-butyl methyl ether	1634-04-4	ug/l	10	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	1 U	10 UD	4 U	10 U	10 U	5.0 U	1 U	1 U	1 U

Table 5-5A
Shallow Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-3	MW-3	MW-3
			Sample ID:	MW-1	MW-1-110513	MW-1-111315	MW-1_031419	MW-1-072519	MW-1-111721	MW-2	MW-2-110513	MW-2-111315	MW-2_031419	MW-2-072519	MW-2-111721	MW-3	MW-3-110513	MW-3-111315
			Sample Date:	12/6/2012	11/5/2013	11/13/2015	3/14/2019	7/25/2019	11/17/2021	12/6/2012	11/5/2013	11/13/2015	3/14/2019	7/25/2019	11/17/2021	12/6/2012	11/5/2013	11/13/2015
			Water-Bearing Zone:	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock
			Location:	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site
	CAS No.	Unit	NYS GW CLASS GA[1]															
Tert-butylbenzene	98-06-6	ug/l	5	1 U	1 U	1 U	NA	NA	NA	1 U	10 UD	4 U	NA	NA	NA	1 U	1 U	1 U
Tetrachloroethylene(pce)	127-18-4	ug/l	5	1 U	1 U	1 UJ	1.0 U	1.0 U	1.0 U	1 U	10 UD	4 UJ	10 U	10 U	5.0 U	1 U	1 U	1 U
Tetrahydrofuran	109-99-9	ug/l	50	10 U	10 U	10 U	NA	NA	NA	10 U	100 UD	40 U	NA	NA	NA	10 U	10 U	10 U
Toluene	108-88-3	ug/l	5	**1 J**	1 U	1 UJ	1.0 U	1.0 U	1.0 U	**1 J**	10 UD	4 UJ	10 U	10 U	5.0 U	1 U	1 U	1 UJ
Trans-1,2-dichloroethene	156-60-5	ug/l	5	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U	**1 J**	10 UD	4 U	10 U	10 U	5.0 U	1 U	1 U	1 U
Trans-1,3-dichloropropene	10061-02-6	ug/l	0.4	0.5 U	0.5 U	0.5 UJ	1.0 U	1.0 U	1.0 U	0.5 U	5 UD	2 UJ	10 U	10 U	5.0 U	0.5 U	0.5 U	0.5 UJ
Trans-1,4-dichlorobutene	110-57-6	ug/l	5	2 U	2 U	2 U	NA	NA	NA	2 U	20 UD	8 U	NA	NA	NA	2 UJ	2 U	2 U
Trichloroethylene (tce)	79-01-6	ug/l	5	1 U	1 U	1 UJ	1.0 U	1.0 U	1.0 U	1 U	10 UD	4 UJ	10 U	10 U	5.0 U	1 U	1 U	1 U
Trichlorofluoromethane	75-69-4	ug/l	5	2 U	2 U	2 U	1.0 U	1.0 U	1.0 U	2 U	20 UD	8 U	10 U	10 U	5.0 U	2 U	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	2 U	2 U	2 U	1.0 U	1.0 UT	1.0 U	2 U	20 UD	8 U	10 U	10 U	5.0 U	2 U	2 U	2 U
Xylenes (total)	1330-20-7	ug/l	5	NA	NA	NA	2.0 U	NA	2.0 U	NA	NA	NA	20 U	NA	10 U	NA	NA	NA

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]

Bold - indicates compound detected

NC - No criteria exists, NA - Not Analyzed

U - Not Detected at the Detection Limit shown

J - Estimated value

R - Rejected during validation

UT - Not detected at the detection limit shown. Associated Matrix Spike sample exceeded control limits.

UD- Sample not detected at detection limit shown. Sample diluted resulting in higher detection limit.

NA - Sampled not analyzed for constituent.

Table 5-5A
Shallow Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW-3	MW12-01	MW12-01	MW12-01	MW12-01	MW12-01	MW12-02	MW12-02	MW12-02	MW12-02	MW12-02	MW12-02	MW12-02	MW12-02
			Sample ID:	MW-3-111721	MW12-01	MW12-01-110613	MW12-01-111115	MW12-01_031419	MW12-01-111721	MW12-02	MW12-FD-1	MW12-02-110513	FD-01-110513	MW12-02-111315	X-2-111315	MW12-02_031419	MW12-02-072319	X1-072319
			Sample Date:	11/17/2021	12/7/2012	11/6/2013	11/11/2015	3/14/2019	11/17/2021	12/6/2012	12/6/2012	11/5/2013	11/5/2013	11/13/2015	11/13/2015	3/14/2019	7/23/2019	7/23/2019
			Water-Bearing Zone:	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock
			Location:	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site
	CAS No.	Unit	NYS GW CLASS GA[1]															
1,1,1,2-tetrachloroethane	630-20-6	ug/l	5	NA	1 UJ	1 U	1 U	NA	NA	1 U	1 U	25 UD	25 UD	5 U	5 U	NA	NA	NA
1,1,1-trichloroethane	71-55-6	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	**960**	**960**	**510 D**	**620 D**	**550 J**	**480 J**	**410**	**490**	**500**
1,1,2,2-tetrachloroethane	79-34-5	ug/l	5	1.0 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	12 UD	12 UD	2.5 UJ	2.5 UJ	8.0 U	8.0 U	10 U
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	**72**	**73**	**48 D**	**60 D**	**44**	**30**	**42**	**25**	**27**
1,1,2-trichloroethane	79-00-5	ug/l	1	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	**1 J**	**1 J**	25 UD	25 UD	5 UJ	5 UJ	8.0 U	8.0 U	10 U
1,1-dichloroethane	75-34-3	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	**300**	**310**	**190 D**	**230 D**	**260**	**250**	**130**	**140**	**140**
1,1-dichloroethene	75-35-4	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	**34**	**34**	**14.8 J**	**17.5 J**	**19**	**15**	**11**	**17**	**19**
1,1-dichloropropene	563-58-6	ug/l	5	NA	2 U	2 U	2 U	NA	NA	2 U	2 U	50 UD	50 UD	10 U	10 U	NA	NA	NA
1,2,3-trichlorobenzene	87-61-6	ug/l	5	NA	5 UJ	5 U	5 U	NA	NA	5 U	5 U	120 UD	120 UD	25 U	25 U	NA	NA	NA
1,2,3-trichloropropane	96-18-4	ug/l	0.04	NA	2 U	2 U	2 U	NA	NA	2 U	2 U	50 UD	50 UD	10 U	10 U	NA	NA	NA
1,2,4-trichlorobenzene	120-82-1	ug/l	5	1.0 U	1 UJ	1 U	1 U	1.0 U	1.0 U	5 U	5 U	25 UD	25 UD	5 U	5 U	8.0 U	8.0 U	10 U
1,2,4-trimethylbenzene	95-63-6	ug/l	5	NA	1 U	1 U	1 U	NA	NA	1 U	1 U	25 UD	25 UD	5 U	5 U	NA	NA	NA
1,2-dibromo-3-chloropropane	96-12-8	ug/l	0.04	1.0 U	5 UJ	5 U	5 U	1.0 U	1.0 U	5 UJ	5 UJ	120 UD	120 UD	25 U	25 U	8.0 U	8.0 U	10 U
1,2-dibromoethane (ethylene dibromide)	106-93-4	ug/l	0.0006	1.0 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	12 UD	12 UD	2.5 UJ	2.5 UJ	8.0 U	8.0 U	10 U
1,2-dichlorobenzene	95-50-1	ug/l	3	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U	25 UD	25 UD	5 U	5 U	8.0 U	8.0 U	10 U
1,2-dichloroethane	107-06-2	ug/l	0.6	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	**1 J**	**1 J**	25 UD	25 UD	5 U	5 U	8.0 U	8.0 U	10 U
1,2-dichloropropane	78-87-5	ug/l	1	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U	25 UD	25 UD	5 UJ	5 UJ	8.0 U	8.0 U	10 U
1,3,5- trichlorobenzene	108-70-3	ug/l	5	NA	1 U	1 U	1 U	NA	NA	1 U	1 U	25 UD	25 UD	5 U	5 U	NA	NA	NA
1,3,5-trimethylbenzene	108-67-8	ug/l	5	NA	1 U	1 U	1 U	NA	NA	1 U	1 U	25 UD	25 UD	5 U	5 U	NA	NA	NA
1,3-dichlorobenzene	541-73-1	ug/l	3	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U	25 UD	25 UD	5 U	5 U	8.0 U	8.0 U	10 U
1,3-dichloropropane	142-28-9	ug/l	5	NA	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U	0.5 U	12 UD	12 UD	2.5 U	2.5 U	NA	NA	NA
1,4-dichlorobenzene	106-46-7	ug/l	3	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U	25 UD	25 UD	5 U	5 U	8.0 U	8.0 U	10 U
2,2-dichloropropane	594-20-7	ug/l	5	NA	1 U	1 U	1 U	NA	NA	1 U	1 U	25 UD	25 UD	5 UJ	5 UJ	NA	NA	NA
2-hexanone	591-78-6	ug/l	50	5.0 U	10 U	10 U	10 U	5.0 U	5.0 U	10 U	10 U	250 UD	250 UD	50 UJ	50 UJ	40 U	40 U	50 U
4-isopropyltoluene	99-87-6	ug/l	5	NA	1 U	1 U	1 U	NA	NA	1 U	1 U	25 UD	25 UD	5 U	5 U	NA	NA	NA
Acetone	67-64-1	ug/l	50	10 U	**50 J**	**5.2 J**	50 UJ	10 U	10 U	50 U	**50 J**	1200 UD	1200 UD	250 UJ	250 UJ	80 U	80 U	100 U
Acrylonitrile	107-13-1	ug/l	5	NA	5 U	5 U	5 U	NA	NA	5 U	5 U	120 UD	120 UD	25 U	25 U	NA	NA	NA
Benzene	71-43-2	ug/l	1	1.0 U	**1 J**	**0.16 J**	1 U	1.0 U	1.0 U	1 U	1 U	25 UD	25 UD	5 UJ	5 UJ	8.0 U	8.0 U	10 U
Bromobenzene	108-86-1	ug/l	5	NA	1 U	1 U	1 U	NA	NA	1 U	1 U	25 UD	25 UD	5 U	5 U	NA	NA	NA
Bromochloromethane	74-97-5	ug/l	5	NA	1 U	1 U	1 U	NA	NA	1 U	1 U	25 UD	25 UD	5 UJ	5 UJ	NA	NA	NA
Bromodichloromethane	75-27-4	ug/l	50	1.0 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	12 UD	12 UD	2.5 U	2.5 U	8.0 U	8.0 U	10 U
Bromoform	75-25-2	ug/l	50	1.0 UJ	1 U	1 U	1 U	1.0 U	1.0 UJ	1 U	1 U	25 UD	25 UD	5 U	5 U	8.0 U	8.0 U	10 U
Bromomethane	74-83-9	ug/l	5	1.0 U	2 U	2 UJ	5 U	1.0 U	1.0 U	2 U	2 U	50 UJ	50 UJ	25 U	25 U	8.0 U	8.0 U	10 U
Carbon disulfide	75-15-0	ug/l	60	1.0 UJ	**2 J**	4 U	4 U	1.0 U	1.0 UJ	2 U	2 U	100 UD	100 UD	20 U	20 U	8.0 U	8.0 U	10 U
Carbon tetrachloride	56-23-5	ug/l	5	1.0 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	120 UD	120 UD	25 UJ	25 UJ	8.0 U	8.0 U	10 U
Chlorobenzene	108-90-7	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U	25 UD	25 UD	5 UJ	5 UJ	8.0 U	8.0 U	10 U
Chloroethane	75-00-3	ug/l	5	**1.1**	2 U	2 U	2 U	1.0 U	1.0 U	2 U	**2 J**	50 UD	50 UD	10 U	10 U	8.0 U	8.0 U	10 U
Chloroform	67-66-3	ug/l	7	1.0 U	2 U	2 U	2 U	1.0 U	1.0 U	**2 J**	**2 J**	50 UD	50 UD	**1.72 J**	10 U	8.0 U	8.0 U	10 U
Chloromethane	74-87-3	ug/l	5	1.0 U	2 U	2 UJ	2 U	1.0 U	1.0 U	2 U	**2 J**	50 UJ	50 UJ	10 U	10 U	8.0 U	8.0 U	10 U
Cis-1,2-dichloroethylene	156-59-2	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	**1 J**	**1 J**	25 UD	25 UD	5 U	5 U	8.0 U	8.0 U	10 U
Cis-1,3-dichloropropene	10061-01-5	ug/l	0.4	1.0 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	12 UD	12 UD	2.5 UJ	2.5 UJ	8.0 U	8.0 U	10 U
Cyclohexane	110-82-7	ug/l	NC	1.0 U	NA	NA	NA	1.0 U	1.0 U	NA	NA	NA	NA	NA	NA	8.0 U	8.0 U	10 U
Dibromochloromethane	124-48-1	ug/l	50	1.0 UJ	0.5 U	0.5 U	0.5 U	1.0 U	1.0 UJ	0.5 U	0.5 U	12 UD	12 UD	2.5 UJ	2.5 UJ	8.0 U	8.0 U	10 U
Dibromomethane	74-95-3	ug/l	5	NA	1 U	1 U	1 U	NA	NA	1 U	1 U	25 UD	25 UD	5 U	5 U	NA	NA	NA
Dichlorodifluoromethane	75-71-8	ug/l	5	1.0 U	2 U	2 U	2 U	1.0 U	1.0 U	2 U	2 U	50 UD	50 UD	10 U	10 U	8.0 U	8.0 U	10 U
Diisopropyl ether	108-20-3	ug/l	NC	NA	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U	0.5 U	12 UD	12 UD	2.5 U	2.5 U	NA	NA	NA
Ethyl ether	60-29-7	ug/l	NC	NA	2 U	2 U	2 U	NA	NA	2 U	2 U	50 UD	50 UD	10 U	10 U	NA	NA	NA
Ethylbenzene	100-41-4	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U	25 UD	25 UD	5 UJ	5 UJ	8.0 U	8.0 U	10 U
Hexachlorobutadiene	87-68-3	ug/l	0.5	NA	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U	0.5 U	12 UD	12 UD	2.5 U	2.5 U	NA	NA	NA
Isopropylbenzene (cumene)	98-82-8	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U	25 UD	25 UD	5 UJ	5 UJ	8.0 U	8.0 U	10 U
M and p xylenes	179601-23-1	ug/l	NC	NA	**2 J**	2 U	2 U	NA	NA	2 U	2 U	50 UD	50 UD	10 UJ	10 UJ	NA	16 U	20 U
Methyl acetate	79-20-9	ug/l	NC	2.5 U	NA	NA	NA	2.5 U	2.5 U	NA	NA	NA	NA	NA	NA	20 U	20 U	25 U
Methyl ethyl ketone (2-butanone)	78-93-3	ug/l	50	10 U	**20 J**	20 U	20 U	10 U	10 U	20 U	20 U	500 UD	500 UD	100 U	100 U	80 U	80 U	100 U
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	ug/l	NC	5.0 U	10 U	10 U	10 U	5.0 U	5.0 U	10 U	10 U	250 UD	250 UD	50 UJ	50 UJ	40 U	40 U	50 U
Methylcyclohexane	108-87-2	ug/l	NC	1.0 U	NA	NA	NA	1.0 U	1.0 U	NA	NA	NA	NA	NA	NA	8.0 U	8.0 U	10 U
Methylene chloride	75-09-2	ug/l	5	1.0 U	5 U	5 U	5 U	1.0 U	1.0 U	5 U	5 U	120 UD	120 UD	25 U	25 U	8.0 U	8.0 U	10 U
Naphthalene	91-20-3	ug/l	10	NA	2 UJ	2 U	2 U	NA	NA	5 U	5 U	50 UD	50 UD	10 U	10 U	NA	NA	NA
N-butylbenzene	104-51-8	ug/l	5	NA	1 U	1 U	1 U	NA	NA	1 U	1 U	25 UD	25 UD	5 U	5 U	NA	NA	NA
N-propylbenzene	103-65-1	ug/l	5	NA	1 U	1 U	1 U	NA	NA	1 U	1 U	25 UD	25 UD	5 U	5 U	NA	NA	NA
O-chlorotoluene	95-49-8	ug/l	5	NA	1 U	1 U	1 U	NA	NA	1 U	1 U	25 UD	25 UD	5 U	5 U	NA	NA	NA
O-xylene (1,2-dimethylbenzene)	95-47-6	ug/l	5	NA	1 U	1 U	1 U	NA	NA	1 U	1 U	25 UD	25 UD	5 UJ	5 UJ	NA	8.0 U	10 U
P-chlorotoluene	106-43-4	ug/l	5	NA	1 U	1 U	1 U	NA	NA	1 U	1 U	25 UD	25 UD	5 U	5 U	NA	NA	NA
Sec-butylbenzene	135-98-8	ug/l	5	NA	1 U	1 U	1 U	NA	NA	1 U	1 U	25 UD	25 UD	5 U	5 U	NA	NA	NA
Styrene	100-42-5	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U	25 UD	25 UD	5 UJ	5 UJ	8.0 U	8.0 U	10 U
T-butyl alcohol	75-65-0	ug/l	NC	NA	20 U	20 U	20 U	NA	NA	20 U	20 U	500 UD	500 UD	100 U	100 U	NA	NA	NA
Tert-amyl methyl ether	994-05-8	ug/l	NC	NA	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U	0.5 U	12 UD	12 UD	2.5 U	2.5 U	NA	NA	NA
Tert-butyl ethyl ether	637-92-3	ug/l	NC	NA	0.5 U	0.5 U	0.5 U	NA	NA	0.5 U	0.5 U	12 UD	12 UD	2.5 U	2.5 U	NA	NA	NA
Tert-butyl methyl ether	1634-04-4	ug/l	10	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U	25 UD	25 UD	5 U	5 U	8.0 U	8.0 U	10 U

Table 5-5A
Shallow Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW-3	MW12-01	MW12-01	MW12-01	MW12-01	MW12-01	MW12-02	MW12-02	MW12-02	MW12-02	MW12-02	MW12-02	MW12-02	MW12-02
			Sample ID:	MW-3-111721	MW12-01	MW12-01-110613	MW12-01-111115	MW12-01_031419	MW12-01-111721	MW12-02	MW12-FD-1	MW12-02-110513	FD-01-110513	MW12-02-111315	X-2-111315	MW12-02_031419	MW12-02-072319	X1-072319
			Sample Date:	11/17/2021	12/7/2012	11/6/2013	11/11/2015	3/14/2019	11/17/2021	12/6/2012	12/6/2012	11/5/2013	11/5/2013	11/13/2015	11/13/2015	3/14/2019	7/23/2019	7/23/2019
			Water-Bearing Zone:	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock
			Location:	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site
	CAS No.	Unit	NYS GW CLASS GA[1]															
Tert-butylbenzene	98-06-6	ug/l	5	NA	1 U	1 U	1 U	NA	NA	1 U	1 U	25 UD	25 UD	5 U	5 U	NA	NA	NA
Tetrachloroethylene(pce)	127-18-4	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	**1 J**	**1 J**	25 UD	25 UD	5 UJ	5 UJ	8.0 U	8.0 U	10 U
Tetrahydrofuran	109-99-9	ug/l	50	NA	10 U	10 U	10 U	NA	NA	10 U	10 U	250 UD	250 UD	50 U	50 U	NA	NA	NA
Toluene	108-88-3	ug/l	5	1.0 U	**1 J**	1 U	1 U	1.0 U	1.0 U	1 U	1 U	25 UD	25 UD	5 UJ	5 UJ	8.0 U	8.0 U	10 U
Trans-1,2-dichloroethene	156-60-5	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	1 U	1 U	25 UD	25 UD	5 U	5 U	8.0 U	8.0 U	10 U
Trans-1,3-dichloropropene	10061-02-6	ug/l	0.4	1.0 U	0.5 U	0.5 U	0.5 U	1.0 U	1.0 U	0.5 U	0.5 U	12 UD	12 UD	2.5 UJ	2.5 UJ	8.0 U	8.0 U	10 U
Trans-1,4-dichlorobutene	110-57-6	ug/l	5	NA	2 UJ	2 U	2 U	NA	NA	2 U	2 U	50 UD	50 UD	10 U	10 U	NA	NA	NA
Trichloroethylene (tce)	79-01-6	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	1.0 U	**3.1**	**2.8**	25 UD	25 UD	**2.69 J**	**2.16 J**	8.0 U	8.0 U	10 U
Trichlorofluoromethane	75-69-4	ug/l	5	1.0 U	2 U	2 U	2 U	1.0 U	1.0 U	2 U	2 U	50 UD	50 UD	10 U	10 U	8.0 U	8.0 U	10 U
Vinyl chloride	75-01-4	ug/l	2	1.0 U	2 U	2 U	2 U	1.0 U	1.0 U	2 U	2 U	50 UD	50 UD	10 U	10 U	8.0 U	8.0 U	10 U
Xylenes (total)	1330-20-7	ug/l	5	2.0 U	NA	NA	NA	2.0 U	2.0 U	NA	NA	NA	NA	NA	NA	16 U	NA	NA

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]

Bold - indicates compound detected

NC - No criteria exists, NA - Not Analyzed

U - Not Detected at the Detection Limit shown

J - Estimated value

R - Rejected during validation

UT - Not detected at the detection limit shown. Associated Matrix Spike sample exceeded control limits.

UD- Sample not detected at detection limit shown. Sample diluted resulting in higher detection limit.

NA - Sampled not analyzed for constituent.

Table 5-5A
Shallow Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

				Location ID:	MW12-02	MW12-03	MW12-03	MW12-03	MW12-03	MW12-03	MW12-04	MW12-04	MW12-04	MW12-04	MW12-04	MW12-04	MW12-05	MW12-05	MW12-05
				Sample ID:	MW12-02-111921	X-2-111921	MW12-03	MW12-03-110613	MW12-03-111215	MW12-03-111721	MW12-04	MW12-04-110513	MW12-04-111215	MW12-04_031419	MW12-04-072419	MW12-04-111921	MW12-05	MW12-05-110613	MW12-05-111215
				Sample Date:	11/19/2021	11/19/2021	12/5/2012	11/6/2013	11/12/2015	11/17/2021	12/5/2012	11/5/2013	11/12/2015	3/14/2019	7/24/2019	11/19/2021	12/7/2012	11/6/2013	11/12/2015
				Water-Bearing Zone:	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock
				Location:	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site
	CAS No.	Unit	NYS GW CLASS GA[1]																
1,1,1,2-tetrachloroethane	630-20-6	ug/l	5	NA	NA	1 U	1 U	1 U	NA	1 U	5 UD	2 U	NA	NA	NA	1 UJ	1 U	1 U
1,1,1-trichloroethane	71-55-6	ug/l	5	**380**	**430**	**1 J**	1 U	1 UJ	1.0 UT	**30**	**75 D**	**70**	**34**	**110**	**54**	1 U	1 U	1 U
1,1,2,2-tetrachloroethane	79-34-5	ug/l	5	8.0 U	8.0 U	0.5 U	0.5 U	0.5 UJ	1.0 UT	0.5 U	2.5 UD	1 U	1.0 U	4.0 U	2.0 U	0.5 U	0.5 U	0.5 U
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	5	**38**	**44**	1 U	1 U	1 U	1.0 U	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U	1 U	1 U	1 U
1,1,2-trichloroethane	79-00-5	ug/l	1	8.0 U	8.0 U	1 U	1 U	1 UJ	1.0 UT	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U	1 U	1 U	1 U
1,1-dichloroethane	75-34-3	ug/l	5	**120**	**130**	**1 J**	1 U	1 U	1.0 UT	**61**	**110 D**	**120**	**54**	**150**	**120**	1 U	1 U	1 U
1,1-dichloroethene	75-35-4	ug/l	5	**9.4**	**11**	1 U	1 U	1 U	1.0 UT	**1 J**	**1.65 J**	**1.72 J**	**0.48 J**	**3.3 J**	2.0 U	1 U	1 U	1 U
1,1-dichloropropene	563-58-6	ug/l	5	NA	NA	2 U	2 U	2 U	NA	2 U	10 UD	4 U	NA	NA	NA	2 U	2 U	2 U
1,2,3-trichlorobenzene	87-61-6	ug/l	5	NA	NA	5 UJ	5 U	5 U	NA	5 UJ	25 UD	10 U	NA	NA	NA	5 UJ	5 U	5 U
1,2,3-trichloropropane	96-18-4	ug/l	0.04	NA	NA	2 U	2 U	2 U	NA	2 U	10 UD	4 U	NA	NA	NA	2 U	2 U	2 U
1,2,4-trichlorobenzene	120-82-1	ug/l	5	8.0 U	8.0 U	1 U	1 U	1 U	1.0 U	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U	1 UJ	1 U	1 U
1,2,4-trimethylbenzene	95-63-6	ug/l	5	NA	NA	1 U	1 U	1 U	NA	1 U	5 UD	2 U	NA	NA	NA	1 U	1 U	1 U
1,2-dibromo-3-chloropropane	96-12-8	ug/l	0.04	8.0 U	8.0 U	5 UJ	5 U	5 U	1.0 U	5 UJ	25 UD	10 U	1.0 U	4.0 U	2.0 U	5 UJ	5 U	5 U
1,2-dibromoethane (ethylene dibromide)	106-93-4	ug/l	0.0006	8.0 U	8.0 U	0.5 U	0.5 U	0.5 UJ	1.0 UT	0.5 U	2.5 UD	1 U	1.0 U	4.0 U	2.0 U	0.5 U	0.5 U	0.5 U
1,2-dichlorobenzene	95-50-1	ug/l	3	8.0 U	8.0 U	1 U	1 U	1 U	1.0 U	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U	1 U	1 U	1 U
1,2-dichloroethane	107-06-2	ug/l	0.6	8.0 U	8.0 U	1 U	1 U	1 U	1.0 UT	**1 J**	5 UD	2 U	1.0 U	4.0 U	2.0 U	1 U	1 U	1 U
1,2-dichloropropane	78-87-5	ug/l	1	8.0 UJ	8.0 UJ	1 U	1 U	1 UJ	1.0 UT	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 UJ	1 U	1 U	1 U
1,3,5- trichlorobenzene	108-70-3	ug/l	5	NA	NA	1 U	1 U	1 U	NA	1 U	5 UD	2 U	NA	NA	NA	1 U	1 U	1 U
1,3,5-trimethylbenzene	108-67-8	ug/l	5	NA	NA	1 U	1 U	1 U	NA	1 U	5 UD	2 U	NA	NA	NA	1 U	1 U	1 U
1,3-dichlorobenzene	541-73-1	ug/l	3	8.0 U	8.0 U	1 U	1 U	1 U	1.0 UT	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U	1 U	1 U	1 U
1,3-dichloropropane	142-28-9	ug/l	5	NA	NA	0.5 U	0.5 U	0.5 U	NA	0.5 U	2.5 UD	1 U	NA	NA	NA	0.5 U	0.5 U	0.5 U
1,4-dichlorobenzene	106-46-7	ug/l	3	8.0 U	8.0 U	1 U	1 U	1 U	1.0 U	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U	1 U	1 U	1 U
2,2-dichloropropane	594-20-7	ug/l	5	NA	NA	1 U	1 U	1 UJ	NA	1 U	5 UD	2 UJ	NA	NA	NA	1 U	1 U	1 U
2-hexanone	591-78-6	ug/l	50	40 U	40 U	10 U	10 U	10 UJ	5.0 U	10 U	50 UD	20 U	5.0 U	20 U	10 U	10 U	10 U	10 U
4-isopropyltoluene	99-87-6	ug/l	5	NA	NA	1 U	1 U	1 U	NA	1 U	5 UD	2 U	NA	NA	NA	1 U	1 U	1 U
Acetone	67-64-1	ug/l	50	80 U	80 U	**50 J**	50 U	50 UJ	10 U	**50 J**	250 UD	100 UJ	10 U	40 U	20 U	**50 J**	50 U	**6.06 J**
Acrylonitrile	107-13-1	ug/l	5	NA	NA	5 UJ	5 U	5 U	NA	5 UJ	25 UD	10 U	NA	NA	NA	5 U	5 U	5 U
Benzene	71-43-2	ug/l	1	8.0 U	8.0 U	1 U	1 U	1 UJ	1.0 UT	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U	**1 J**	1 U	1 U
Bromobenzene	108-86-1	ug/l	5	NA	NA	1 U	1 U	1 U	NA	1 U	5 UD	2 U	NA	NA	NA	1 U	1 U	1 U
Bromochloromethane	74-97-5	ug/l	5	NA	NA	1 UJ	1 U	1 U	NA	1 U	5 UD	2 U	NA	NA	NA	1 U	1 U	1 U
Bromodichloromethane	75-27-4	ug/l	50	8.0 UJ	8.0 UJ	0.5 U	0.5 U	0.5 UJ	1.0 UT	0.5 U	2.5 UD	1 U	1.0 U	4.0 U	2.0 UJ	0.5 U	0.5 U	0.5 U
Bromoform	75-25-2	ug/l	50	8.0 UJ	8.0 UJ	1 UJ	1 U	1 U	1.0 UJ	1 UJ	5 UD	2 U	1.0 U	4.0 U	2.0 UJ	1 U	1 U	1 U
Bromomethane	74-83-9	ug/l	5	8.0 U	8.0 U	2 U	2 UJ	5 U	1.0 U	2 U	10 UJ	10 U	1.0 U	4.0 U	2.0 U	2 U	**3.2 J**	5 U
Carbon disulfide	75-15-0	ug/l	60	8.0 UJ	8.0 UJ	2 U	4 U	4 U	1.0 UJ	2 U	20 UD	8 U	1.0 U	4.0 U	2.0 UJ	**2 J**	4 U	4 U
Carbon tetrachloride	56-23-5	ug/l	5	8.0 U	8.0 U	5 U	5 U	5 UJ	1.0 UT	5 U	25 UD	10 U	1.0 U	4.0 U	2.0 U	5 U	5 U	5 U
Chlorobenzene	108-90-7	ug/l	5	8.0 U	8.0 U	1 U	1 U	1 UJ	1.0 UT	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U	1 U	1 U	1 U
Chloroethane	75-00-3	ug/l	5	8.0 UT	8.0 UT	2 UJ	2 U	2 U	1.0 UJ	**5**	10 UD	**7.8**	**4.8**	**22**	**31 JH**	2 U	2 U	2 U
Chloroform	67-66-3	ug/l	7	8.0 U	8.0 U	2 U	2 U	2 U	1.0 UT	2 U	10 UD	4 U	1.0 U	4.0 U	2.0 U	2 U	2 U	2 U
Chloromethane	74-87-3	ug/l	5	8.0 U	8.0 U	2 UJ	2 UJ	2 U	1.0 UT	2 UJ	10 UJ	4 U	1.0 U	4.0 U	2.0 U	2 U	**3.6 J**	2 U
Cis-1,2-dichloroethylene	156-59-2	ug/l	5	8.0 U	8.0 U	1 U	1 U	1 U	1.0 UT	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U	1 U	1 U	1 U
Cis-1,3-dichloropropene	10061-01-5	ug/l	0.4	8.0 U	8.0 U	0.5 U	0.5 U	0.5 UJ	1.0 U	0.5 U	2.5 UD	1 U	1.0 U	4.0 U	2.0 U	0.5 U	0.5 U	0.5 U
Cyclohexane	110-82-7	ug/l	NC	8.0 U	8.0 U	NA	NA	NA	1.0 UT	NA	NA	NA	1.0 U	4.0 U	2.0 U	NA	NA	NA
Dibromochloromethane	124-48-1	ug/l	50	8.0 UJ	8.0 UJ	0.5 U	0.5 U	0.5 UJ	1.0 UJ	0.5 U	2.5 UD	1 U	1.0 U	4.0 U	2.0 UJ	0.5 U	0.5 U	0.5 U
Dibromomethane	74-95-3	ug/l	5	NA	NA	1 UJ	1 U	1 U	NA	1 U	5 UD	2 U	NA	NA	NA	1 U	1 U	1 U
Dichlorodifluoromethane	75-71-8	ug/l	5	8.0 U	8.0 U	2 U	2 U	2 U	1.0 UT	2 U	10 UD	4 U	1.0 U	4.0 U	2.0 U	2 U	2 U	2 U
Diisopropyl ether	108-20-3	ug/l	NC	NA	NA	0.5 U	0.5 U	0.5 U	NA	0.5 U	2.5 UD	1 U	NA	NA	NA	0.5 U	0.5 U	0.5 U
Ethyl ether	60-29-7	ug/l	NC	NA	NA	2 U	2 U	2 U	NA	2 U	10 UD	4 U	NA	NA	NA	2 U	2 U	2 U
Ethylbenzene	100-41-4	ug/l	5	8.0 U	8.0 U	1 U	1 U	1 UJ	1.0 UT	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U	1 U	1 U	1 U
Hexachlorobutadiene	87-68-3	ug/l	0.5	NA	NA	0.5 UJ	0.5 U	0.5 U	NA	0.5 UJ	2.5 UD	1 U	NA	NA	NA	0.5 U	0.5 U	0.5 U
Isopropylbenzene (cumene)	98-82-8	ug/l	5	8.0 U	8.0 U	1 U	1 U	1 UJ	1.0 UT	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U	1 U	1 U	1 U
M and p xylenes	179601-23-1	ug/l	NC	NA	NA	**2 J**	2 U	2 UJ	NA	2 U	10 UD	4 U	NA	8.0 U	NA	**2 J**	2 U	2 U
Methyl acetate	79-20-9	ug/l	NC	20 U	20 U	NA	NA	NA	2.5 U	NA	NA	NA	2.5 U	10 U	5.0 U	NA	NA	NA
Methyl ethyl ketone (2-butanone)	78-93-3	ug/l	50	80 U	80 U	20 U	20 U	20 U	10 U	20 U	100 UD	40 U	10 U	40 U	20 U	20 U	20 U	20 U
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	ug/l	NC	40 U	40 U	10 U	10 U	10 UJ	5.0 U	10 U	50 UD	20 U	5.0 U	20 U	10 U	10 U	10 U	10 U
Methylcyclohexane	108-87-2	ug/l	NC	8.0 U	8.0 U	NA	NA	NA	1.0 U	NA	NA	NA	1.0 U	4.0 U	2.0 U	NA	NA	NA
Methylene chloride	75-09-2	ug/l	5	8.0 U	8.0 U	5 U	5 U	5 U	1.0 UT	5 U	25 UD	10 U	1.0 U	4.0 U	2.0 U	5 U	5 U	5 U
Naphthalene	91-20-3	ug/l	10	NA	NA	1 U	2 U	2 U	NA	1 U	10 UD	4 U	NA	NA	NA	2 UJ	2 U	2 U
N-butylbenzene	104-51-8	ug/l	5	NA	NA	1 U	1 U	1 U	NA	1 U	5 UD	2 U	NA	NA	NA	1 U	1 U	1 U
N-propylbenzene	103-65-1	ug/l	5	NA	NA	1 U	1 U	1 U	NA	1 U	5 UD	2 U	NA	NA	NA	1 U	1 U	1 U
O-chlorotoluene	95-49-8	ug/l	5	NA	NA	1 U	1 U	1 U	NA	1 U	5 UD	2 U	NA	NA	NA	1 U	1 U	1 U
O-xylene (1,2-dimethylbenzene)	95-47-6	ug/l	5	NA	NA	1 U	1 U	1 UJ	NA	1 U	5 UD	2 U	NA	4.0 U	NA	1 U	1 U	1 U
P-chlorotoluene	106-43-4	ug/l	5	NA	NA	1 U	1 U	1 U	NA	1 U	5 UD	2 U	NA	NA	NA	1 U	1 U	1 U
Sec-butylbenzene	135-98-8	ug/l	5	NA	NA	1 U	1 U	1 U	NA	1 U	5 UD	2 U	NA	NA	NA	1 U	1 U	1 U
Styrene	100-42-5	ug/l	5	8.0 U	8.0 U	1 U	1 U	1 UJ	1.0 U	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U	1 U	1 U	1 U
T-butyl alcohol	75-65-0	ug/l	NC	NA	NA	20 UJ	20 U	20 U	NA	20 UJ	100 UD	40 U	NA	NA	NA	20 U	20 U	20 U
Tert-amyl methyl ether	994-05-8	ug/l	NC	NA	NA	0.5 U	0.5 U	0.5 U	NA	0.5 U	2.5 UD	1 U	NA	NA	NA	0.5 U	0.5 U	0.5 U
Tert-butyl ethyl ether	637-92-3	ug/l	NC	NA	NA	0.5 U	0.5 U	0.5 U	NA	0.5 U	2.5 UD	1 U	NA	NA	NA	0.5 U	0.5 U	0.5 U
Tert-butyl methyl ether	1634-04-4	ug/l	10	8.0 U	8.0 U	1 U	1 U	1 U	1.0 UT	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U	1 U	1 U	1 U

Table 5-5A
Shallow Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

Location ID:				MW12-02	MW12-02	MW12-03	MW12-03	MW12-03	MW12-03	MW12-04	MW12-04	MW12-04	MW12-04	MW12-04	MW12-04	MW12-05	MW12-05	MW12-05
Sample ID:				MW12-02-111921	X-2-111921	MW12-03	MW12-03-110613	MW12-03-111215	MW12-03-111721	MW12-04	MW12-04-110513	MW12-04-111215	MW12-04_031419	MW12-04-072419	MW12-04-111921	MW12-05	MW12-05-110613	MW12-05-111215
Sample Date:				11/19/2021	11/19/2021	12/5/2012	11/6/2013	11/12/2015	11/17/2021	12/5/2012	11/5/2013	11/12/2015	3/14/2019	7/24/2019	11/19/2021	12/7/2012	11/6/2013	11/12/2015
Water-Bearing Zone:				Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock
Location:				On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site
	CAS No.	Unit	NYS GW CLASS GA[1]															
Tert-butylbenzene	98-06-6	ug/l	5	NA	NA	1 U	1 U	1 U	NA	1 U	5 UD	2 U	NA	NA	NA	1 U	1 U	1 U
Tetrachloroethylene(pce)	127-18-4	ug/l	5	8.0 U	8.0 U	1 U	1 U	1 UJ	1.0 UT	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U	1 U	1 U	1 U
Tetrahydrofuran	109-99-9	ug/l	50	NA	NA	10 U	10 U	10 U	NA	10 U	50 UD	20 U	NA	NA	NA	10 U	10 U	10 U
Toluene	108-88-3	ug/l	5	8.0 U	8.0 U	**1 J**	1 U	1 UJ	1.0 UT	**1 J**	5 UD	2 U	1.0 U	4.0 U	2.0 U	**1 J**	1 U	1 U
Trans-1,2-dichloroethene	156-60-5	ug/l	5	8.0 U	8.0 U	1 U	1 U	1 U	1.0 UT	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U	1 U	1 U	1 U
Trans-1,3-dichloropropene	10061-02-6	ug/l	0.4	8.0 U	8.0 U	0.5 UJ	0.5 U	0.5 UJ	1.0 U	0.5 UJ	2.5 UD	1 U	1.0 U	4.0 U	2.0 U	0.5 U	0.5 U	0.5 U
Trans-1,4-dichlorobutene	110-57-6	ug/l	5	NA	NA	2 UJ	2 U	2 U	NA	2 UJ	10 UD	4 U	NA	NA	NA	2 UJ	2 U	2 U
Trichloroethylene (tce)	79-01-6	ug/l	5	8.0 U	8.0 U	1 U	1 U	1 UJ	1.0 UT	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U	1 U	1 U	1 U
Trichlorofluoromethane	75-69-4	ug/l	5	8.0 U	8.0 U	2 UJ	2 U	2 U	1.0 UT	2 UJ	10 UD	4 U	1.0 U	4.0 U	2.0 U	2 U	2 U	2 U
Vinyl chloride	75-01-4	ug/l	2	8.0 U	8.0 U	2 U	2 U	2 U	1.0 UT	2 U	10 UD	4 U	1.0 U	4.0 U	2.0 U	2 U	2 U	2 U
Xylenes (total)	1330-20-7	ug/l	5	16 U	16 U	NA	NA	NA	2.0 UT	NA	NA	NA	2.0 U	NA	4.0 U	NA	NA	NA

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]

Bold - indicates compound detected

NC - No criteria exists, NA - Not Analyzed

U - Not Detected at the Detection Limit shown

J - Estimated value

R - Rejected during validation

UT - Not detected at the detection limit shown. Associated Matrix Spike sample exceeded control limits.

UD- Sample not detected at detection limit shown. Sample diluted resulting in higher detection limit.

NA - Sampled not analyzed for constituent.

Table 5-5A
Shallow Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW12-05	MW12-06	MW12-06	MW12-06	MW12-06	MW12-07	MW12-07	MW12-07	MW12-07	MW12-07	MW12-07	MW12-07	MW12-08	MW12-08	MW12-08
			Sample ID:	MW12-05-111721	MW12-06	MW12-06-110513	MW12-06-111315	MW12-06-111821	MW12-07-110513	MW12-07-111315	MW12-07_031419	X-1_031419	MW12-07-072419	MW12-07-111621	X-1-111621	MW12-08-110513	MW12-08-111215	MW12-08_031419
			Sample Date:	11/17/2021	12/5/2012	11/5/2013	11/13/2015	11/18/2021	11/5/2013	11/13/2015	3/14/2019	3/14/2019	7/24/2019	11/16/2021	11/16/2021	11/5/2013	11/12/2015	3/14/2019
			Water-Bearing Zone:	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock
			Location:	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site
	CAS No.	Unit	NYS GW CLASS GA[1]															
1,1,1,2-tetrachloroethane	630-20-6	ug/l	5	NA	1 U	1 U	1 U	NA	25 UD	5 U	NA	NA	NA	NA	NA	1 U	1 U	NA
1,1,1-trichloroethane	71-55-6	ug/l	5	1.0 U	1 U	1 U	1 UJ	1.0 U	**580 D**	**450 J**	**1600**	**2200**	**910**	**570**	**830**	**2.9**	**3.8 J**	**7.8**
1,1,2,2-tetrachloroethane	79-34-5	ug/l	5	1.0 U	0.5 U	0.5 U	0.5 UJ	1.0 U	12 UD	2.5 UJ	40 U	40 U	40 U	10 U	5.0 U	0.5 U	0.5 UJ	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	**92 D**	**45**	**290**	**480**	**100**	**120**	**100**	1 U	1 U	1.0 U
1,1,2-trichloroethane	79-00-5	ug/l	1	1.0 U	1 U	1 U	1 UJ	1.0 U	25 UD	5 UJ	40 U	40 U	40 U	10 U	5.0 U	1 U	1 UJ	1.0 U
1,1-dichloroethane	75-34-3	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	**320 D**	**330**	**1300**	**1700**	**760**	**480**	**970 J**	**2.7**	**4.3**	**2.8**
1,1-dichloroethene	75-35-4	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	**13.8 J**	**15**	**42**	**60**	**39 J**	**19**	**22**	1 U	1 U	1.0 U
1,1-dichloropropene	563-58-6	ug/l	5	NA	2 U	2 U	2 U	NA	50 UD	10 U	NA	NA	NA	NA	NA	2 U	2 U	NA
1,2,3-trichlorobenzene	87-61-6	ug/l	5	NA	5 UJ	5 U	5 U	NA	120 UD	25 U	NA	NA	NA	NA	NA	5 U	5 U	NA
1,2,3-trichloropropane	96-18-4	ug/l	0.04	NA	2 U	2 U	2 U	NA	50 UD	10 U	NA	NA	NA	NA	NA	2 U	2 U	NA
1,2,4-trichlorobenzene	120-82-1	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	25 UD	5 U	40 U	40 U	40 U	10 U	5.0 U	1 U	1 U	1.0 U
1,2,4-trimethylbenzene	95-63-6	ug/l	5	NA	1 U	1 U	1 U	NA	25 UD	5 U	NA	NA	NA	NA	NA	1 U	1 U	NA
1,2-dibromo-3-chloropropane	96-12-8	ug/l	0.04	1.0 U	5 UJ	5 U	5 U	1.0 U	120 UD	25 U	40 U	40 U	40 U	10 U	5.0 U	5 U	5 U	1.0 U
1,2-dibromoethane (ethylene dibromide)	106-93-4	ug/l	0.0006	1.0 U	0.5 U	0.5 U	0.5 UJ	1.0 U	12 UD	2.5 UJ	40 U	40 U	40 U	10 U	5.0 U	0.5 U	0.5 UJ	1.0 U
1,2-dichlorobenzene	95-50-1	ug/l	3	1.0 U	1 U	1 U	1 U	1.0 U	25 UD	5 U	40 U	40 U	40 U	10 U	5.0 U	1 U	1 U	1.0 U
1,2-dichloroethane	107-06-2	ug/l	0.6	1.0 U	1 U	1 U	1 U	1.0 U	25 UD	5 U	40 U	40 U	40 U	10 U	5.0 U	1 U	1 U	1.0 U
1,2-dichloropropane	78-87-5	ug/l	1	1.0 U	1 U	1 U	1 UJ	1.0 UJ	25 UD	5 UJ	40 U	40 U	40 U	10 U	5.0 U	1 U	1 UJ	1.0 U
1,3,5- trichlorobenzene	108-70-3	ug/l	5	NA	1 U	1 U	1 U	NA	25 UD	5 U	NA	NA	NA	NA	NA	1 U	1 U	NA
1,3,5-trimethylbenzene	108-67-8	ug/l	5	NA	1 U	1 U	1 U	NA	25 UD	5 U	NA	NA	NA	NA	NA	1 U	1 U	NA
1,3-dichlorobenzene	541-73-1	ug/l	3	1.0 U	1 U	1 U	1 U	1.0 U	25 UD	5 U	40 U	40 U	40 U	10 U	5.0 U	1 U	1 U	1.0 U
1,3-dichloropropane	142-28-9	ug/l	5	NA	0.5 U	0.5 U	0.5 U	NA	12 UD	2.5 U	NA	NA	NA	NA	NA	0.5 U	0.5 U	NA
1,4-dichlorobenzene	106-46-7	ug/l	3	1.0 U	1 U	1 U	1 U	1.0 U	25 UD	5 U	40 U	40 U	40 U	10 U	5.0 U	1 U	1 U	1.0 U
2,2-dichloropropane	594-20-7	ug/l	5	NA	1 U	1 U	1 UJ	NA	25 UD	5 UJ	NA	NA	NA	NA	NA	1 U	1 UJ	NA
2-hexanone	591-78-6	ug/l	50	5.0 U	10 U	10 U	10 UJ	5.0 U	250 UD	50 UJ	200 U	200 U	200 U	50 U	25 U	10 U	10 UJ	5.0 U
4-isopropyltoluene	99-87-6	ug/l	5	NA	1 U	1 U	1 U	NA	25 UD	5 U	NA	NA	NA	NA	NA	1 U	1 U	NA
Acetone	67-64-1	ug/l	50	**21**	**50 J**	50 U	50 UJ	10 U	1200 UD	250 UJ	400 U	400 U	400 U	100 U	50 U	50 U	50 UJ	10 U
Acrylonitrile	107-13-1	ug/l	5	NA	5 UJ	5 U	5 U	NA	120 UD	25 U	NA	NA	NA	NA	NA	5 U	5 U	NA
Benzene	71-43-2	ug/l	1	1.0 U	1 U	1 U	1 UJ	1.0 U	25 UD	5 UJ	40 U	40 U	40 U	10 U	5.0 U	1 U	1 UJ	1.0 U
Bromobenzene	108-86-1	ug/l	5	NA	1 U	1 U	1 U	NA	25 UD	5 U	NA	NA	NA	NA	NA	1 U	1 U	NA
Bromochloromethane	74-97-5	ug/l	5	NA	1 U	1 U	1 UJ	NA	25 UD	5 UJ	NA	NA	NA	NA	NA	1 U	1 U	NA
Bromodichloromethane	75-27-4	ug/l	50	1.0 U	0.5 U	0.5 U	0.5 U	1.0 UJ	12 UD	2.5 U	40 U	40 U	40 U	10 U	5.0 U	0.5 U	0.5 UJ	1.0 U
Bromoform	75-25-2	ug/l	50	1.0 UJ	1 UJ	1 U	1 U	1.0 UJ	25 UD	5 U	40 U	40 U	40 U	10 UJ	5.0 UJ	1 U	1 U	1.0 U
Bromomethane	74-83-9	ug/l	5	1.0 U	2 U	2 UJ	5 U	1.0 U	50 UJ	**5.05 J**	40 U	40 U	40 U	10 U	5.0 U	2 UJ	5 U	1.0 U
Carbon disulfide	75-15-0	ug/l	60	1.0 UJ	2 U	4 U	4 U	1.0 UJ	100 UD	20 U	40 U	40 U	40 U	10 UJ	5.0 UJ	4 U	4 U	**0.39 J**
Carbon tetrachloride	56-23-5	ug/l	5	1.0 U	5 U	5 U	5 UJ	1.0 U	120 UD	25 UJ	40 U	40 U	40 U	10 U	5.0 U	5 U	5 UJ	1.0 U
Chlorobenzene	108-90-7	ug/l	5	1.0 U	1 U	1 U	1 UJ	1.0 U	25 UD	5 UJ	40 U	40 U	40 U	10 U	5.0 U	1 U	1 UJ	1.0 U
Chloroethane	75-00-3	ug/l	5	1.0 U	2 U	2 U	2 U	1.0 UT	50 UD	10 U	40 U	**25 J**	40 U	10 U	5.0 U	2 U	2 U	1.0 U
Chloroform	67-66-3	ug/l	7	1.0 U	2 U	2 U	2 U	1.0 U	50 UD	**1.43 J**	40 U	40 U	40 U	10 U	5.0 U	**0.77 J**	**0.251 J**	1.0 U
Chloromethane	74-87-3	ug/l	5	1.0 U	2 UJ	2 UJ	2 U	1.0 U	50 UJ	10 U	40 U	40 U	40 U	10 U	5.0 U	2 UJ	2 U	1.0 U
Cis-1,2-dichloroethylene	156-59-2	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	25 UD	5 U	40 U	40 U	40 U	10 U	5.0 U	1 U	1 U	1.0 U
Cis-1,3-dichloropropene	10061-01-5	ug/l	0.4	1.0 U	0.5 U	0.5 U	0.5 UJ	1.0 U	12 UD	2.5 UJ	40 U	40 U	40 U	10 U	5.0 U	0.5 U	0.5 UJ	1.0 U
Cyclohexane	110-82-7	ug/l	NC	1.0 U	NA	NA	NA	1.0 U	NA	NA	40 U	40 U	40 U	10 U	5.0 U	NA	NA	1.0 U
Dibromochloromethane	124-48-1	ug/l	50	1.0 UJ	0.5 U	0.5 U	0.5 UJ	1.0 UJ	12 UD	2.5 UJ	40 U	40 U	40 U	10 UJ	5.0 UJ	0.5 U	0.5 UJ	1.0 U
Dibromomethane	74-95-3	ug/l	5	NA	1 U	1 U	1 U	NA	25 UD	5 U	NA	NA	NA	NA	NA	1 U	1 U	NA
Dichlorodifluoromethane	75-71-8	ug/l	5	1.0 U	2 U	2 U	2 U	1.0 U	50 UD	10 U	40 U	40 U	40 U	10 U	5.0 U	2 U	2 U	1.0 U
Diisopropyl ether	108-20-3	ug/l	NC	NA	0.5 U	0.5 U	0.5 U	NA	12 UD	2.5 U	NA	NA	NA	NA	NA	0.5 U	0.5 U	NA
Ethyl ether	60-29-7	ug/l	NC	NA	2 U	2 U	2 U	NA	50 UD	10 U	NA	NA	NA	NA	NA	2 U	2 U	NA
Ethylbenzene	100-41-4	ug/l	5	1.0 U	1 U	1 U	1 UJ	1.0 U	25 UD	5 UJ	40 U	40 U	40 U	10 U	5.0 U	1 U	1 UJ	1.0 U
Hexachlorobutadiene	87-68-3	ug/l	0.5	NA	0.5 UJ	0.5 U	0.5 U	NA	12 UD	2.5 U	NA	NA	NA	NA	NA	0.5 U	0.5 U	NA
Isopropylbenzene (cumene)	98-82-8	ug/l	5	1.0 U	1 U	1 U	1 UJ	1.0 U	25 UD	5 UJ	40 U	40 U	40 U	10 U	5.0 U	1 U	1 UJ	1.0 U
M and p xylenes	179601-23-1	ug/l	NC	NA	2 U	2 U	2 UJ	NA	50 UD	10 UJ	NA	NA	80 U	NA	NA	2 U	2 UJ	NA
Methyl acetate	79-20-9	ug/l	NC	2.5 U	NA	NA	NA	2.5 U	NA	NA	100 U	100 U	100 U	25 U	13 U	NA	NA	2.5 U
Methyl ethyl ketone (2-butanone)	78-93-3	ug/l	50	10 U	20 U	20 U	20 U	10 U	500 UD	100 U	400 U	400 U	400 U	100 U	50 U	20 U	20 U	10 U
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	ug/l	NC	5.0 U	10 U	10 U	10 UJ	5.0 U	250 UD	50 UJ	200 U	200 U	200 U	50 U	25 U	10 U	10 UJ	5.0 U
Methylcyclohexane	108-87-2	ug/l	NC	1.0 U	NA	NA	NA	1.0 U	NA	NA	40 U	40 U	40 U	10 U	5.0 U	NA	NA	1.0 U
Methylene chloride	75-09-2	ug/l	5	1.0 U	5 U	5 U	5 U	1.0 U	120 UD	25 U	40 U	40 U	40 U	10 U	5.0 U	5 U	5 U	1.0 U
Naphthalene	91-20-3	ug/l	10	NA	1 U	2 U	2 U	NA	50 UD	10 U	NA	NA	NA	NA	NA	2 U	2 U	NA
N-butylbenzene	104-51-8	ug/l	5	NA	1 U	1 U	1 U	NA	25 UD	5 U	NA	NA	NA	NA	NA	1 U	1 U	NA
N-propylbenzene	103-65-1	ug/l	5	NA	1 U	1 U	1 U	NA	25 UD	5 U	NA	NA	NA	NA	NA	1 U	1 U	NA
O-chlorotoluene	95-49-8	ug/l	5	NA	1 U	1 U	1 U	NA	25 UD	5 U	NA	NA	NA	NA	NA	1 U	1 U	NA
O-xylene (1,2-dimethylbenzene)	95-47-6	ug/l	5	NA	1 U	1 U	1 UJ	NA	25 UD	5 UJ	NA	NA	40 U	NA	NA	1 U	1 UJ	NA
P-chlorotoluene	106-43-4	ug/l	5	NA	1 U	1 U	1 U	NA	25 UD	5 U	NA	NA	NA	NA	NA	1 U	1 U	NA
Sec-butylbenzene	135-98-8	ug/l	5	NA	1 U	1 U	1 U	NA	25 UD	5 U	NA	NA	NA	NA	NA	1 U	1 U	NA
Styrene	100-42-5	ug/l	5	1.0 U	1 U	1 U	1 UJ	1.0 U	25 UD	5 UJ	40 U	40 U	40 U	10 U	5.0 U	1 U	1 UJ	1.0 U
T-butyl alcohol	75-65-0	ug/l	NC	NA	20 UJ	20 U	20 U	NA	500 UD	100 U	NA	NA	NA	NA	NA	20 U	20 U	NA
Tert-amyl methyl ether	994-05-8	ug/l	NC	NA	0.5 U	0.5 U	0.5 U	NA	12 UD	2.5 U	NA	NA	NA	NA	NA	0.5 U	0.5 U	NA
Tert-butyl ethyl ether	637-92-3	ug/l	NC	NA	0.5 U	0.5 U	0.5 U	NA	12 UD	2.5 U	NA	NA	NA	NA	NA	0.5 U	0.5 U	NA
Tert-butyl methyl ether	1634-04-4	ug/l	10	1.0 U	1 U	1 U	1 U	1.0 U	25 UD	5 U	40 U	40 U	40 U	10 U	5.0 U	1 U	1 U	1.0 U

Table 5-5A
Shallow Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW12-05	MW12-06	MW12-06	MW12-06	MW12-06	MW12-07	MW12-07	MW12-07	MW12-07	MW12-07	MW12-07	MW12-07	MW12-08	MW12-08	MW12-08
			Sample ID:	MW12-05-111721	MW12-06	MW12-06-110513	MW12-06-111315	MW12-06-111821	MW12-07-110513	MW12-07-111315	MW12-07_031419	X-1_031419	MW12-07-072419	MW12-07-111621	X-1-111621	MW12-08-110513	MW12-08-111215	MW12-08_031419
			Sample Date:	11/17/2021	12/5/2012	11/5/2013	11/13/2015	11/18/2021	11/5/2013	11/13/2015	3/14/2019	3/14/2019	7/24/2019	11/16/2021	11/16/2021	11/5/2013	11/12/2015	3/14/2019
			Water-Bearing Zone:	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock
			Location:	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site
	CAS No.	Unit	NYS GW CLASS GA[1]															
Tert-butylbenzene	98-06-6	ug/l	5	NA	1 U	1 U	1 U	NA	25 UD	5 U	NA	NA	NA	NA	NA	1 U	1 U	NA
Tetrachloroethylene(pce)	127-18-4	ug/l	5	1.0 U	1 U	1 U	1 UJ	1.0 U	25 UD	**0.987 J**	40 U	40 U	40 U	10 U	5.0 U	1 U	1 UJ	1.0 U
Tetrahydrofuran	109-99-9	ug/l	50	NA	10 U	10 U	10 U	NA	250 UD	50 U	NA	NA	NA	NA	NA	10 U	10 U	NA
Toluene	108-88-3	ug/l	5	1.0 U	**1 J**	1 U	1 UJ	1.0 U	25 UD	5 UJ	40 U	40 U	40 U	10 U	5.0 U	**0.16 J**	1 UJ	1.0 U
Trans-1,2-dichloroethene	156-60-5	ug/l	5	1.0 U	1 U	1 U	1 U	1.0 U	25 UD	5 U	40 U	40 U	40 U	10 U	5.0 U	1 U	1 U	1.0 U
Trans-1,3-dichloropropene	10061-02-6	ug/l	0.4	1.0 U	0.5 UJ	0.5 U	0.5 UJ	1.0 U	12 UD	2.5 UJ	40 U	40 U	40 U	10 U	5.0 U	0.5 U	0.5 UJ	1.0 U
Trans-1,4-dichlorobutene	110-57-6	ug/l	5	NA	2 UJ	2 U	2 U	NA	50 UD	10 U	NA	NA	NA	NA	NA	2 U	2 U	NA
Trichloroethylene (tce)	79-01-6	ug/l	5	1.0 U	1 U	1 U	1 UJ	1.0 U	25 UD	**1.26 J**	40 U	40 U	40 U	10 U	5.0 U	1 U	1 UJ	1.0 U
Trichlorofluoromethane	75-69-4	ug/l	5	1.0 U	2 UJ	2 U	2 U	1.0 U	50 UD	10 U	40 U	40 U	40 U	10 U	5.0 U	2 U	2 U	1.0 U
Vinyl chloride	75-01-4	ug/l	2	1.0 U	2 U	2 U	2 U	1.0 U	50 UD	10 U	40 U	40 U	40 U	10 U	5.0 U	2 U	2 U	1.0 U
Xylenes (total)	1330-20-7	ug/l	5	2.0 U	NA	NA	NA	2.0 U	NA	NA	80 U	80 U	NA	20 U	10 U	NA	NA	2.0 U

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]

Bold - indicates compound detected

NC - No criteria exists, NA - Not Analyzed

U - Not Detected at the Detection Limit shown

J - Estimated value

R - Rejected during validation

UT - Not detected at the detection limit shown. Associated Matrix Spike sample exceeded control limits.

UD- Sample not detected at detection limit shown. Sample diluted resulting in higher detection limit.

NA - Sampled not analyzed for constituent.

Table 5-5A
Shallow Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

Location ID:				MW12-08	MW12-08	MW12-09	MW12-09	MW12-09	MW12-10	MW12-10	MW12-10	MW12-10	MW12-10	MW12-11	MW12-11	MW12-11	MW12-11	MW12-11
Sample ID:				MW12-08-072419	MW12-08-111921	MW12-09-110613	MW12-09-111115	MW12-09-111821	MW12-10-110613	MW12-10-111115	MW12-10_031419	MW12-10-072419	MW12-10-111821	MW12-11-110513	MW12-11-111315	MW12-11_031419	MW12-11-072319	MW12-11-111821
Sample Date:				7/24/2019	11/19/2021	11/6/2013	11/11/2015	11/18/2021	11/6/2013	11/11/2015	3/14/2019	7/24/2019	11/18/2021	11/5/2013	11/13/2015	3/14/2019	7/23/2019	11/18/2021
Water-Bearing Zone:				Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock
Location:				On-Site	On-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
	CAS No.	Unit	NYS GW CLASS GA[1]															
1,1,1,2-tetrachloroethane	630-20-6	ug/l	5	NA	NA	1 U	1 U	NA	1 U	1 U	NA	NA	NA	4 UD	2 U	NA	NA	NA
1,1,1-trichloroethane	71-55-6	ug/l	5	**6.9**	**4.0**	1 U	1 UJ	1.0 U	**48**	**18 J**	**17**	**23**	**38**	**140 D**	**180 J**	**140**	**110**	**160**
1,1,2,2-tetrachloroethane	79-34-5	ug/l	5	1.0 U	1.0 U	0.5 U	0.5 UJ	1.0 U	0.5 U	0.5 UJ	1.0 U	1.0 U	1.0 U	2 UD	1 UJ	2.0 U	2.0 U	5.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	5	1.0 U	1.0 U	1 U	1 U	1.0 U	**6.7**	**1.7**	**2.9**	**3.1**	**14**	**7.3 D**	**11**	**8.8**	**4.4**	**9.3**
1,1,2-trichloroethane	79-00-5	ug/l	1	1.0 U	1.0 U	1 U	1 UJ	1.0 U	1 U	1 UJ	1.0 U	1.0 U	1.0 U	4 UD	2 UJ	2.0 U	2.0 U	5.0 U
1,1-dichloroethane	75-34-3	ug/l	5	**8.0**	**7.0**	1 U	1 U	1.0 U	**16**	**8**	**6.2**	**6.5**	**12**	**34 D**	**51**	**29**	**31**	**38**
1,1-dichloroethene	75-35-4	ug/l	5	1.0 U	1.0 U	1 U	1 U	1.0 U	**0.217 J**	1 U	1.0 U	1.0 U	1.0 U	**2.93 J**	**5.7**	**3.1**	**4.8**	**4.4 J**
1,1-dichloropropene	563-58-6	ug/l	5	NA	NA	2 U	2 U	NA	2 U	2 U	NA	NA	NA	8 UD	4 U	NA	NA	NA
1,2,3-trichlorobenzene	87-61-6	ug/l	5	NA	NA	5 U	5 U	NA	5 U	5 U	NA	NA	NA	20 UD	10 U	NA	NA	NA
1,2,3-trichloropropane	96-18-4	ug/l	0.04	NA	NA	2 U	2 U	NA	2 U	2 U	NA	NA	NA	8 UD	4 U	NA	NA	NA
1,2,4-trichlorobenzene	120-82-1	ug/l	5	1.0 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	4 UD	2 U	2.0 U	2.0 U	5.0 U
1,2,4-trimethylbenzene	95-63-6	ug/l	5	NA	NA	1 U	1 U	NA	1 U	1 U	NA	NA	NA	4 UD	2 U	NA	NA	NA
1,2-dibromo-3-chloropropane	96-12-8	ug/l	0.04	1.0 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	1.0 U	1.0 U	20 UD	10 U	2.0 U	2.0 U	5.0 U
1,2-dibromoethane (ethylene dibromide)	106-93-4	ug/l	0.0006	1.0 U	1.0 U	0.5 U	0.5 UJ	1.0 U	0.5 U	0.5 UJ	1.0 U	1.0 U	1.0 U	2 UD	1 UJ	2.0 U	2.0 U	5.0 U
1,2-dichlorobenzene	95-50-1	ug/l	3	1.0 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	4 UD	2 U	2.0 U	2.0 U	5.0 U
1,2-dichloroethane	107-06-2	ug/l	0.6	1.0 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	4 UD	2 U	2.0 U	2.0 U	5.0 U
1,2-dichloropropane	78-87-5	ug/l	1	1.0 U	1.0 UJ	1 U	1 UJ	1.0 UJ	1 U	1 UJ	1.0 U	1.0 U	1.0 UJ	4 UD	2 UJ	2.0 U	2.0 U	5.0 UJ
1,3,5- trichlorobenzene	108-70-3	ug/l	5	NA	NA	1 U	1 U	NA	1 U	1 U	NA	NA	NA	4 UD	2 U	NA	NA	NA
1,3,5-trimethylbenzene	108-67-8	ug/l	5	NA	NA	1 U	1 U	NA	1 U	1 U	NA	NA	NA	4 UD	2 U	NA	NA	NA
1,3-dichlorobenzene	541-73-1	ug/l	3	1.0 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	4 UD	2 U	2.0 U	2.0 U	5.0 U
1,3-dichloropropane	142-28-9	ug/l	5	NA	NA	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA	NA	NA	2 UD	1 U	NA	NA	NA
1,4-dichlorobenzene	106-46-7	ug/l	3	1.0 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	4 UD	2 U	2.0 U	2.0 U	5.0 U
2,2-dichloropropane	594-20-7	ug/l	5	NA	NA	1 U	1 U	NA	1 U	1 U	NA	NA	NA	4 UD	2 UJ	NA	NA	NA
2-hexanone	591-78-6	ug/l	50	5.0 U	5.0 U	10 U	10 UJ	5.0 U	10 U	10 UJ	5.0 U	5.0 U	5.0 U	40 UD	20 UJ	10 U	10 U	25 U
4-isopropyltoluene	99-87-6	ug/l	5	NA	NA	1 U	1 U	NA	1 U	1 U	NA	NA	NA	4 UD	2 U	NA	NA	NA
Acetone	67-64-1	ug/l	50	10 U	10 U	**13 J**	50 UJ	10 U	50 U	50 UJ	10 U	10 U	10 U	200 UD	100 UJ	20 U	20 U	50 U
Acrylonitrile	107-13-1	ug/l	5	NA	NA	5 U	5 U	NA	5 U	5 U	NA	NA	NA	20 UD	10 U	NA	NA	NA
Benzene	71-43-2	ug/l	1	1.0 U	1.0 U	1 U	1 UJ	1.0 U	1 U	1 UJ	1.0 U	1.0 U	1.0 U	4 UD	2 UJ	2.0 U	2.0 U	5.0 U
Bromobenzene	108-86-1	ug/l	5	NA	NA	1 U	1 U	NA	1 U	1 U	NA	NA	NA	4 UD	2 U	NA	NA	NA
Bromochloromethane	74-97-5	ug/l	5	NA	NA	1 U	1 U	NA	1 U	1 U	NA	NA	NA	4 UD	2 UJ	NA	NA	NA
Bromodichloromethane	75-27-4	ug/l	50	1.0 U	1.0 UJ	0.5 U	0.5 UJ	1.0 UJ	0.5 U	0.5 UJ	1.0 U	1.0 U	1.0 UJ	2 UD	1 U	2.0 U	2.0 U	5.0 UJ
Bromoform	75-25-2	ug/l	50	1.0 U	1.0 UJ	1 U	1 U	1.0 UJ	1 U	1 U	1.0 U	1.0 U	1.0 UJ	4 UD	2 U	2.0 U	2.0 U	5.0 UJ
Bromomethane	74-83-9	ug/l	5	1.0 U	1.0 U	2 UJ	5 U	1.0 U	2 UJ	5 U	1.0 U	1.0 U	1.0 U	8 UJ	4 U	2.0 U	2.0 U	5.0 U
Carbon disulfide	75-15-0	ug/l	60	1.0 U	1.0 UJ	4 U	4 U	1.0 UJ	4 U	4 U	1.0 U	1.0 U	1.0 UJ	16 UD	8 U	2.0 U	2.0 U	5.0 UJ
Carbon tetrachloride	56-23-5	ug/l	5	1.0 U	1.0 U	5 U	5 UJ	1.0 U	5 U	5 UJ	1.0 U	1.0 U	1.0 U	20 UD	10 UJ	2.0 U	2.0 U	5.0 U
Chlorobenzene	108-90-7	ug/l	5	1.0 U	1.0 U	1 U	1 UJ	1.0 U	1 U	1 UJ	1.0 U	1.0 U	1.0 U	4 UD	2 UJ	2.0 U	2.0 U	5.0 U
Chloroethane	75-00-3	ug/l	5	1.0 U	1.0 UT	2 U	2 U	1.0 UT	2 U	2 U	1.0 U	1.0 U	1.0 UT	8 UD	4 U	2.0 U	2.0 U	5.0 UT
Chloroform	67-66-3	ug/l	7	1.0 U	1.0 U	**3.2**	2 U	1.0 U	2 U	2 U	1.0 U	1.0 U	1.0 U	8 UD	**0.619 J**	2.0 U	2.0 U	5.0 U
Chloromethane	74-87-3	ug/l	5	1.0 U	1.0 U	2 UJ	2 U	1.0 U	2 UJ	2 U	1.0 U	1.0 U	1.0 U	8 UJ	4 U	2.0 U	2.0 U	5.0 U
Cis-1,2-dichloroethylene	156-59-2	ug/l	5	1.0 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	4 UD	2 U	2.0 U	2.0 U	5.0 U
Cis-1,3-dichloropropene	10061-01-5	ug/l	0.4	1.0 U	1.0 U	0.5 U	0.5 UJ	1.0 U	0.5 U	0.5 UJ	1.0 U	1.0 U	1.0 U	2 UD	1 UJ	2.0 U	2.0 U	5.0 U
Cyclohexane	110-82-7	ug/l	NC	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U	1.0 U	1.0 U	NA	NA	2.0 U	2.0 U	5.0 U
Dibromochloromethane	124-48-1	ug/l	50	1.0 U	1.0 UJ	0.5 U	0.5 UJ	1.0 UJ	0.5 U	0.5 UJ	1.0 U	1.0 U	1.0 UJ	2 UD	1 UJ	2.0 U	2.0 U	5.0 UJ
Dibromomethane	74-95-3	ug/l	5	NA	NA	1 U	1 U	NA	1 U	1 U	NA	NA	NA	4 UD	2 U	NA	NA	NA
Dichlorodifluoromethane	75-71-8	ug/l	5	1.0 U	1.0 U	2 U	2 U	1.0 U	2 U	2 U	1.0 U	1.0 U	1.0 U	8 UJ	4 U	2.0 U	2.0 U	5.0 U
Diisopropyl ether	108-20-3	ug/l	NC	NA	NA	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA	NA	NA	2 UD	1 U	NA	NA	NA
Ethyl ether	60-29-7	ug/l	NC	NA	NA	2 U	2 U	NA	2 U	2 U	NA	NA	NA	8 UD	4 U	NA	NA	NA
Ethylbenzene	100-41-4	ug/l	5	1.0 U	1.0 U	1 U	**0.122 J**	1.0 U	1 U	**0.146 J**	1.0 U	1.0 U	1.0 U	4 UD	2 UJ	2.0 U	2.0 U	5.0 U
Hexachlorobutadiene	87-68-3	ug/l	0.5	NA	NA	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA	NA	NA	2 UD	1 U	NA	NA	NA
Isopropylbenzene (cumene)	98-82-8	ug/l	5	1.0 U	1.0 U	1 U	1 UJ	1.0 U	1 U	1 UJ	1.0 U	1.0 U	1.0 U	4 UD	2 UJ	2.0 U	2.0 U	5.0 U
M and p xylenes	179601-23-1	ug/l	NC	2.0 U	NA	2 U	2 U	NA	2 U	2 U	NA	2.0 U	NA	8 UD	4 UJ	NA	4.0 U	NA
Methyl acetate	79-20-9	ug/l	NC	2.5 U	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	2.5 U	2.5 U	NA	NA	5.0 U	5.0 U	13 U
Methyl ethyl ketone (2-butanone)	78-93-3	ug/l	50	10 U	10 U	20 U	20 U	10 U	20 U	20 U	10 U	10 U	10 U	80 UD	40 U	20 U	20 U	50 U
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	ug/l	NC	5.0 U	5.0 U	10 U	10 UJ	5.0 U	10 U	10 UJ	5.0 U	5.0 U	5.0 U	40 UD	20 UJ	10 U	10 U	25 U
Methylcyclohexane	108-87-2	ug/l	NC	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U	1.0 U	1.0 U	NA	NA	2.0 U	2.0 U	5.0 U
Methylene chloride	75-09-2	ug/l	5	1.0 U	1.0 U	5 U	5 U	1.0 U	5 U	5 U	1.0 U	1.0 U	1.0 U	20 UD	10 U	2.0 U	2.0 U	5.0 U
Naphthalene	91-20-3	ug/l	10	NA	NA	2 U	2 U	NA	2 U	2 U	NA	NA	NA	8 UD	4 U	NA	NA	NA
N-butylbenzene	104-51-8	ug/l	5	NA	NA	1 U	1 U	NA	1 U	1 U	NA	NA	NA	4 UD	2 U	NA	NA	NA
N-propylbenzene	103-65-1	ug/l	5	NA	NA	1 U	1 U	NA	1 U	1 U	NA	NA	NA	4 UD	2 U	NA	NA	NA
O-chlorotoluene	95-49-8	ug/l	5	NA	NA	1 U	1 U	NA	1 U	1 U	NA	NA	NA	4 UD	2 U	NA	NA	NA
O-xylene (1,2-dimethylbenzene)	95-47-6	ug/l	5	1.0 U	NA	1 U	**0.132 J**	NA	1 U	1 UJ	NA	1.0 U	NA	4 UD	2 UJ	NA	2.0 U	NA
P-chlorotoluene	106-43-4	ug/l	5	NA	NA	1 U	1 U	NA	1 U	1 U	NA	NA	NA	4 UD	2 U	NA	NA	NA
Sec-butylbenzene	135-98-8	ug/l	5	NA	NA	1 U	1 U	NA	1 U	1 U	NA	NA	NA	4 UD	2 U	NA	NA	NA
Styrene	100-42-5	ug/l	5	1.0 U	1.0 U	1 U	1 UJ	1.0 U	1 U	1 UJ	1.0 U	1.0 U	1.0 U	4 UD	2 UJ	2.0 U	2.0 U	5.0 U
T-butyl alcohol	75-65-0	ug/l	NC	NA	NA	20 U	20 U	NA	20 U	20 U	NA	NA	NA	80 UD	40 U	NA	NA	NA
Tert-amyl methyl ether	994-05-8	ug/l	NC	NA	NA	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA	NA	NA	2 UD	1 U	NA	NA	NA
Tert-butyl ethyl ether	637-92-3	ug/l	NC	NA	NA	0.5 U	0.5 U	NA	0.5 U	0.5 U	NA	NA	NA	2 UD	1 U	NA	NA	NA
Tert-butyl methyl ether	1634-04-4	ug/l	10	1.0 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	4 UD	2 U	2.0 U	2.0 U	5.0 U

Table 5-5A
Shallow Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

Location ID:				MW12-08	MW12-08	MW12-09	MW12-09	MW12-09	MW12-10	MW12-10	MW12-10	MW12-10	MW12-10	MW12-11	MW12-11	MW12-11	MW12-11	MW12-11
Sample ID:				MW12-08-072419	MW12-08-111921	MW12-09-110613	MW12-09-111115	MW12-09-111821	MW12-10-110613	MW12-10-111115	MW12_10_031419	MW12-10-072419	MW12-10-111821	MW12-11-110513	MW12-11-111315	MW12-11_031419	MW12-11-072319	MW12-11-111821
Sample Date:				7/24/2019	11/19/2021	11/6/2013	11/11/2015	11/18/2021	11/6/2013	11/11/2015	3/14/2019	7/24/2019	11/18/2021	11/5/2013	11/13/2015	3/14/2019	7/23/2019	11/18/2021
Water-Bearing Zone:				Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock
Location:				On-Site	On-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
	CAS No.	Unit	NYS GW CLASS GA[1]															
Tert-butylbenzene	98-06-6	ug/l	5	NA	NA	1 U	1 U	NA	1 U	1 U	NA	NA	NA	4 UD	2 U	NA	NA	NA
Tetrachloroethylene(pce)	127-18-4	ug/l	5	1.0 U	1.0 U	1 U	1 UJ	1.0 U	1 U	**0.371 J**	1.0 U	**0.44 J**	**0.46 J**	4 UD	2 UJ	2.0 U	2.0 U	5.0 U
Tetrahydrofuran	109-99-9	ug/l	50	NA	NA	10 U	10 U	NA	10 U	10 U	NA	NA	NA	40 UD	20 U	NA	NA	NA
Toluene	108-88-3	ug/l	5	1.0 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	4 UD	2 UJ	2.0 U	2.0 U	5.0 U
Trans-1,2-dichloroethene	156-60-5	ug/l	5	1.0 U	1.0 U	1 U	1 U	1.0 U	1 U	1 U	1.0 U	1.0 U	1.0 U	4 UD	2 U	2.0 U	2.0 U	5.0 U
Trans-1,3-dichloropropene	10061-02-6	ug/l	0.4	1.0 U	1.0 U	0.5 U	0.5 UJ	1.0 U	0.5 U	0.5 UJ	1.0 U	1.0 U	1.0 U	2 UD	1 UJ	2.0 U	2.0 U	5.0 U
Trans-1,4-dichlorobutene	110-57-6	ug/l	5	NA	NA	2 U	2 U	NA	2 U	2 U	NA	NA	NA	8 UD	4 U	NA	NA	NA
Trichloroethylene (tce)	79-01-6	ug/l	5	1.0 U	1.0 U	1 U	1 UJ	1.0 U	1 U	1 UJ	1.0 U	1.0 U	1.0 U	4 UD	**0.704 J**	2.0 U	2.0 U	5.0 U
Trichlorofluoromethane	75-69-4	ug/l	5	1.0 U	1.0 U	2 U	2 U	1.0 U	2 U	2 U	1.0 U	1.0 U	1.0 U	8 UD	4 U	2.0 U	2.0 U	5.0 U
Vinyl chloride	75-01-4	ug/l	2	1.0 U	1.0 U	2 U	2 U	1.0 U	2 U	2 U	1.0 U	1.0 U	1.0 U	8 UJ	4 U	2.0 U	2.0 U	5.0 U
Xylenes (total)	1330-20-7	ug/l	5	NA	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	2.0 U	NA	NA	4.0 U	NA	10 U

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]

Bold - indicates compound detected

NC - No criteria exists, NA - Not Analyzed

U - Not Detected at the Detection Limit shown

J - Estimated value

R - Rejected during validation

UT - Not detected at the detection limit shown. Associated Matrix Spike sample exceeded control limits.

UD- Sample not detected at detection limit shown. Sample diluted resulting in higher detection limit.

NA - Sampled not analyzed for constituent.

Table 5-5A
Shallow Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

				Location ID:	MW12-12	MW12-12	MW12-12	MW12-12	MW12-12	MW12-12	MW12-13	MW12-13	MW12-13	MW12-13	MW12-14	MW12-14	MW12-14	MW12-14	MW12-14
				Sample ID:	MW12-12-110613	MW12-12-111215	MW12-12_031419	X-2_031419	MW12-12-072419	MW12-12-111921	FD-01-022714	MW12-13-022714	MW12-13-111315	MW12-13-111721	MW12-14-022714	MW12-14-111315	X-1-111315	MW12-14_031419	MW12-14-111921
				Sample Date:	11/6/2013	11/12/2015	3/14/2019	3/14/2019	7/24/2019	11/19/2021	2/27/2014	2/27/2014	11/13/2015	11/17/2021	2/27/2014	11/13/2015	11/13/2015	3/14/2019	11/19/2021
				Water-Bearing Zone:	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock
				Location:	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
	CAS No.	Unit	NYS GW CLASS GA[1]																
1,1,1,2-tetrachloroethane	630-20-6	ug/l	5	25 UD	5 U	NA	NA	NA	NA	1 U	1 U	1 U	NA	1 U	2 U	1 U	NA	NA
1,1,1-trichloroethane	71-55-6	ug/l	5	**380 D**	**720 J**	**790**	**890**	**720**	**75**	1 U	1 U	1 UJ	1.0 U	**110**	**140 J**	**120 J**	**76**	**66 JH**
1,1,2,2-tetrachloroethane	79-34-5	ug/l	5	12 UD	2.5 UJ	20 U	20 U	20 U	8.0 U	0.5 U	0.5 U	0.5 UJ	1.0 U	0.5 U	1 UJ	0.5 UJ	2.0 U	1.0 UT
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	5	25 UD	**4.62 J**	20 U	**8.6 J**	**16 J**	8.0 U	1 U	1 U	1 U	1.0 U	**5.2**	**4.2**	**2.1**	**4.1**	**3.6**
1,1,2-trichloroethane	79-00-5	ug/l	1	25 UD	5 UJ	20 U	20 U	20 U	8.0 U	1 U	1 U	1 UJ	1.0 U	1 U	2 UJ	1 UJ	2.0 U	1.0 U
1,1-dichloroethane	75-34-3	ug/l	5	**600 D**	**1400**	**1200**	**1200**	**1000**	**460**	1 U	1 U	1 U	1.0 UJ	**16**	**26**	**25**	**20**	**7.3 JH**
1,1-dichloroethene	75-35-4	ug/l	5	**7.17 J**	**12**	**11 J**	**15 J**	**24**	8.0 U	1 U	1 U	1 U	1.0 U	**0.754 J**	**1.78 J**	**1.4**	**1.1 J**	**0.62 J**
1,1-dichloropropene	563-58-6	ug/l	5	50 UD	10 U	NA	NA	NA	NA	2 U	2 U	2 U	NA	2 U	4 U	2 U	NA	NA
1,2,3-trichlorobenzene	87-61-6	ug/l	5	120 UD	25 U	NA	NA	NA	NA	5 U	5 U	5 U	NA	5 U	10 U	5 U	NA	NA
1,2,3-trichloropropane	96-18-4	ug/l	0.04	50 UD	10 U	NA	NA	NA	NA	2 U	2 U	2 U	NA	2 U	4 U	2 U	NA	NA
1,2,4-trichlorobenzene	120-82-1	ug/l	5	25 UD	5 U	20 U	20 U	20 U	8.0 U	1 U	1 U	1 U	1.0 U	1 U	2 U	1 U	2.0 U	1.0 U
1,2,4-trimethylbenzene	95-63-6	ug/l	5	25 UD	5 U	NA	NA	NA	NA	1 U	1 U	1 U	NA	1 U	2 U	1 U	NA	NA
1,2-dibromo-3-chloropropane	96-12-8	ug/l	0.04	120 UD	25 U	20 U	20 U	20 U	8.0 U	5 U	5 U	5 U	1.0 U	5 U	10 U	5 U	2.0 U	1.0 U
1,2-dibromoethane (ethylene dibromide)	106-93-4	ug/l	0.0006	12 UD	2.5 UJ	20 U	20 U	20 U	8.0 U	0.5 U	0.5 U	0.5 UJ	1.0 U	0.5 U	1 UJ	0.5 UJ	2.0 U	1.0 U
1,2-dichlorobenzene	95-50-1	ug/l	3	25 UD	5 U	20 U	20 U	20 U	8.0 U	1 U	1 U	1 U	1.0 U	1 U	2 U	1 U	2.0 U	1.0 U
1,2-dichloroethane	107-06-2	ug/l	0.6	25 UD	5 U	20 U	20 U	20 U	8.0 U	5 U	5 U	1 U	1.0 U	5 U	2 U	1 U	2.0 U	1.0 UT
1,2-dichloropropane	78-87-5	ug/l	1	25 UD	5 UJ	20 U	20 U	20 U	8.0 UJ	1 U	1 U	1 UJ	1.0 UJ	1 U	2 UJ	1 UJ	2.0 U	1.0 UJ
1,3,5- trichlorobenzene	108-70-3	ug/l	5	25 UD	5 U	NA	NA	NA	NA	1 U	1 U	1 U	NA	1 U	2 U	1 U	NA	NA
1,3,5-trimethylbenzene	108-67-8	ug/l	5	25 UD	5 U	NA	NA	NA	NA	1 U	1 U	1 U	NA	1 U	2 U	1 U	NA	NA
1,3-dichlorobenzene	541-73-1	ug/l	3	25 UD	5 U	20 U	20 U	20 U	8.0 U	1 U	1 U	1 U	1.0 U	1 U	2 U	1 U	2.0 U	1.0 U
1,3-dichloropropane	142-28-9	ug/l	5	12 UD	2.5 U	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	NA	0.5 U	1 U	0.5 U	NA	NA
1,4-dichlorobenzene	106-46-7	ug/l	3	25 UD	5 U	20 U	20 U	20 U	8.0 U	1 U	1 U	1 U	1.0 U	1 U	2 U	1 U	2.0 U	1.0 U
2,2-dichloropropane	594-20-7	ug/l	5	25 UD	5 UJ	NA	NA	NA	NA	1 U	1 U	1 UJ	NA	1 U	2 UJ	1 UJ	NA	NA
2-hexanone	591-78-6	ug/l	50	250 UD	50 UJ	100 U	100 U	100 U	40 U	10 U	10 U	10 UJ	5.0 U	10 U	20 UJ	10 UJ	10 U	5.0 U
4-isopropyltoluene	99-87-6	ug/l	5	25 UD	5 U	NA	NA	NA	NA	1 U	1 U	1 U	NA	1 U	2 U	1 U	NA	NA
Acetone	67-64-1	ug/l	50	1200 UD	250 UJ	200 U	200 U	200 U	**24 J**	50 U	50 UJ	50 UJ	10 U	50 U	100 UJ	50 UJ	20 U	10 U
Acrylonitrile	107-13-1	ug/l	5	120 UD	25 U	NA	NA	NA	NA	5 U	5 U	5 U	NA	5 U	10 U	5 U	NA	NA
Benzene	71-43-2	ug/l	1	25 UD	5 UJ	20 U	20 U	20 U	8.0 U	**0.467 J**	**0.445 J**	1 UJ	1.0 U	1 U	2 UJ	1 UJ	2.0 U	1.0 UT
Bromobenzene	108-86-1	ug/l	5	25 UD	5 U	NA	NA	NA	NA	1 U	1 U	1 U	NA	1 U	2 U	1 U	NA	NA
Bromochloromethane	74-97-5	ug/l	5	25 UD	5 U	NA	NA	NA	NA	1 U	1 U	1 UJ	NA	1 U	2 UJ	1 UJ	NA	NA
Bromodichloromethane	75-27-4	ug/l	50	12 UD	2.5 UJ	20 U	20 U	20 U	8.0 UJ	0.5 U	**0.76**	0.5 U	1.0 UJ	0.5 U	1 U	0.5 U	2.0 U	1.0 UJ
Bromoform	75-25-2	ug/l	50	25 UD	5 U	20 U	20 U	20 U	8.0 UJ	1 U	1 U	1 U	1.0 UJ	1 U	2 U	1 U	2.0 U	1.0 UJ
Bromomethane	74-83-9	ug/l	5	50 UJ	25 U	20 U	20 U	20 U	8.0 U	2 U	2 UJ	5 U	1.0 U	2 U	10 U	5 U	2.0 U	1.0 U
Carbon disulfide	75-15-0	ug/l	60	100 UD	20 U	20 U	20 U	20 U	8.0 UJ	4 U	4 U	4 U	1.0 UJ	4 U	8 U	4 U	2.0 U	1.0 UJ
Carbon tetrachloride	56-23-5	ug/l	5	120 UD	25 UJ	20 U	20 U	20 U	8.0 U	5 U	5 U	5 UJ	1.0 U	5 U	10 UJ	5 UJ	2.0 U	1.0 U
Chlorobenzene	108-90-7	ug/l	5	25 UD	5 UJ	20 U	20 U	20 U	8.0 U	1 U	1 U	1 UJ	1.0 U	1 U	2 UJ	1 UJ	2.0 U	1.0 U
Chloroethane	75-00-3	ug/l	5	50 UD	**2.24 J**	20 U	20 U	20 U	8.0 UT	2 U	2 U	2 U	1.0 UT	2 U	4 U	2 U	2.0 U	1.0 UT
Chloroform	67-66-3	ug/l	7	50 UD	**1.48 J**	20 U	20 U	20 U	8.0 U	**1.45 J**	**1.43 J**	2 U	1.0 U	2 U	**0.603 J**	**0.326 J**	2.0 U	1.0 U
Chloromethane	74-87-3	ug/l	5	50 UJ	10 U	20 U	20 U	20 U	8.0 U	2 U	2 UJ	2 U	1.0 U	2 U	4 U	2 U	2.0 U	1.0 UT
Cis-1,2-dichloroethylene	156-59-2	ug/l	5	25 UD	5 U	20 U	20 U	20 U	8.0 U	1 U	1 U	1 U	1.0 U	1 U	2 U	1 U	2.0 U	1.0 U
Cis-1,3-dichloropropene	10061-01-5	ug/l	0.4	12 UD	2.5 UJ	20 U	20 U	20 U	8.0 U	0.5 U	0.5 U	0.5 UJ	1.0 U	0.5 U	1 UJ	0.5 UJ	2.0 U	1.0 U
Cyclohexane	110-82-7	ug/l	NC	NA	NA	20 U	20 U	20 U	8.0 U	NA	NA	NA	1.0 U	NA	NA	NA	2.0 U	1.0 U
Dibromochloromethane	124-48-1	ug/l	50	12 UD	2.5 UJ	20 U	20 U	20 U	8.0 UJ	0.5 U	**0.21 J**	0.5 UJ	1.0 UJ	0.5 U	1 UJ	0.5 UJ	2.0 U	1.0 UJ
Dibromomethane	74-95-3	ug/l	5	25 UD	5 U	NA	NA	NA	NA	1 U	1 U	1 U	NA	1 U	2 U	1 U	NA	NA
Dichlorodifluoromethane	75-71-8	ug/l	5	50 UD	10 U	20 U	20 U	20 U	8.0 U	2 U	2 UJ	2 U	1.0 U	2 U	4 U	2 U	2.0 U	1.0 UT
Diisopropyl ether	108-20-3	ug/l	NC	12 UD	2.5 U	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	NA	0.5 U	1 U	0.5 U	NA	NA
Ethyl ether	60-29-7	ug/l	NC	50 UD	10 U	NA	NA	NA	NA	2 U	2 U	2 U	NA	2 U	4 U	2 U	NA	NA
Ethylbenzene	100-41-4	ug/l	5	25 UD	5 UJ	20 U	20 U	20 U	8.0 U	1 U	1 U	1 UJ	1.0 U	1 U	2 UJ	1 UJ	2.0 U	1.0 U
Hexachlorobutadiene	87-68-3	ug/l	0.5	12 UD	2.5 U	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	NA	0.5 U	1 U	0.5 U	NA	NA
Isopropylbenzene (cumene)	98-82-8	ug/l	5	25 UD	5 UJ	20 U	20 U	20 U	8.0 U	1 U	1 U	1 UJ	1.0 U	1 U	2 UJ	1 UJ	2.0 U	1.0 U
M and p xylenes	179601-23-1	ug/l	NC	50 UD	10 UJ	NA	NA	40 U	NA	2 U	2 U	2 UJ	NA	2 U	4 UJ	2 UJ	NA	NA
Methyl acetate	79-20-9	ug/l	NC	NA	NA	50 U	50 U	50 U	20 U	NA	NA	NA	2.5 U	NA	NA	NA	5.0 U	2.5 U
Methyl ethyl ketone (2-butanone)	78-93-3	ug/l	50	500 UD	100 U	200 U	200 U	200 U	80 U	20 U	20 U	20 U	10 U	20 U	40 U	20 U	20 U	10 U
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	ug/l	NC	250 UD	50 UJ	100 U	100 U	100 U	40 U	10 U	10 U	10 UJ	5.0 U	10 U	20 UJ	10 UJ	10 U	5.0 U
Methylcyclohexane	108-87-2	ug/l	NC	NA	NA	20 U	20 U	20 U	8.0 U	NA	NA	NA	1.0 U	NA	NA	NA	2.0 U	1.0 U
Methylene chloride	75-09-2	ug/l	5	120 UD	25 U	20 U	20 U	20 U	8.0 U	5 U	5 UJ	5 U	1.0 U	5 U	10 U	5 U	2.0 U	1.0 U
Naphthalene	91-20-3	ug/l	10	50 UD	10 U	NA	NA	NA	NA	2 U	2 U	2 U	NA	2 U	4 U	2 U	NA	NA
N-butylbenzene	104-51-8	ug/l	5	25 UD	5 U	NA	NA	NA	NA	1 U	1 U	1 U	NA	1 U	2 U	1 U	NA	NA
N-propylbenzene	103-65-1	ug/l	5	25 UD	5 U	NA	NA	NA	NA	1 U	1 U	1 U	NA	1 U	2 U	1 U	NA	NA
O-chlorotoluene	95-49-8	ug/l	5	25 UD	5 U	NA	NA	NA	NA	1 U	1 U	1 U	NA	1 U	2 U	1 U	NA	NA
O-xylene (1,2-dimethylbenzene)	95-47-6	ug/l	5	25 UD	5 UJ	NA	NA	20 U	NA	1 U	1 U	1 UJ	NA	1 U	2 UJ	1 UJ	NA	NA
P-chlorotoluene	106-43-4	ug/l	5	25 UD	5 U	NA	NA	NA	NA	1 U	1 U	1 U	NA	1 U	2 U	1 U	NA	NA
Sec-butylbenzene	135-98-8	ug/l	5	25 UD	5 U	NA	NA	NA	NA	1 U	1 U	1 U	NA	1 U	2 U	1 U	NA	NA
Styrene	100-42-5	ug/l	5	25 UD	5 UJ	20 U	20 U	20 U	8.0 U	1 U	1 U	1 UJ	1.0 U	1 U	2 UJ	1 UJ	2.0 U	1.0 U
T-butyl alcohol	75-65-0	ug/l	NC	500 UD	100 U	NA	NA	NA	NA	20 U	20 UJ	20 U	NA	20 U	40 U	20 U	NA	NA
Tert-amyl methyl ether	994-05-8	ug/l	NC	12 UD	2.5 U	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	NA	0.5 U	1 U	0.5 U	NA	NA
Tert-butyl ethyl ether	637-92-3	ug/l	NC	12 UD	2.5 U	NA	NA	NA	NA	0.5 U	0.5 U	0.5 U	NA	0.5 U	1 U	0.5 U	NA	NA
Tert-butyl methyl ether	1634-04-4	ug/l	10	25 UD	5 U	20 U	20 U	20 U	8.0 U	1 U	1 U	1 U	1.0 U	1 U	2 U	1 U	2.0 U	1.0 UT

Table 5-5A
Shallow Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW12-12	MW12-12	MW12-12	MW12-12	MW12-12	MW12-12	MW12-13	MW12-13	MW12-13	MW12-13	MW12-14	MW12-14	MW12-14	MW12-14	MW12-14
			Sample ID:	MW12-12-110613	MW12-12-111215	MW12-12_031419	X-2_031419	MW12-12-072419	MW12-12-111921	FD-01-022714	MW12-13-022714	MW12-13-111315	MW12-13-111721	MW12-14-022714	MW12-14-111315	X-1-111315	MW12-14_031419	MW12-14-111921
			Sample Date:	11/6/2013	11/12/2015	3/14/2019	3/14/2019	7/24/2019	11/19/2021	2/27/2014	2/27/2014	11/13/2015	11/17/2021	2/27/2014	11/13/2015	11/13/2015	3/14/2019	11/19/2021
			Water-Bearing Zone:	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock
			Location:	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
	CAS No.	Unit	NYS GW CLASS GA[1]															
Tert-butylbenzene	98-06-6	ug/l	5	25 UD	5 U	NA	NA	NA	NA	1 U	1 U	1 U	NA	1 U	2 U	1 U	NA	NA
Tetrachloroethylene(pce)	127-18-4	ug/l	5	25 UD	5 UJ	20 U	20 U	20 U	8.0 U	1 U	1 U	1 UJ	1.0 U	**0.169 J**	2 UJ	**0.296 J**	2.0 U	1.0 U
Tetrahydrofuran	109-99-9	ug/l	50	250 UD	50 U	NA	NA	NA	NA	10 U	10 U	10 U	NA	10 U	20 U	10 U	NA	NA
Toluene	108-88-3	ug/l	5	25 UD	5 UJ	20 U	20 U	20 U	8.0 U	**0.346 J**	**0.356 J**	1 UJ	1.0 U	1 U	2 UJ	1 UJ	2.0 U	1.0 U
Trans-1,2-dichloroethene	156-60-5	ug/l	5	25 UD	5 U	20 U	20 U	20 U	8.0 U	1 U	1 U	1 U	1.0 U	1 U	2 U	1 U	2.0 U	1.0 UT
Trans-1,3-dichloropropene	10061-02-6	ug/l	0.4	12 UD	2.5 UJ	20 U	20 U	20 U	8.0 U	0.5 U	0.5 U	0.5 UJ	1.0 U	0.5 U	1 UJ	0.5 UJ	2.0 U	1.0 U
Trans-1,4-dichlorobutene	110-57-6	ug/l	5	50 UD	10 U	NA	NA	NA	NA	2 U	2 U	2 U	NA	2 U	4 U	2 U	NA	NA
Trichloroethylene (tce)	79-01-6	ug/l	5	25 UD	5 UJ	20 U	20 U	20 U	8.0 U	1 U	1 U	1 UJ	1.0 U	1 U	2 UJ	1 UJ	2.0 U	1.0 U
Trichlorofluoromethane	75-69-4	ug/l	5	50 UD	10 U	20 U	20 U	20 U	8.0 U	2 U	2 U	2 U	1.0 U	2 U	4 U	2 U	2.0 U	1.0 U
Vinyl chloride	75-01-4	ug/l	2	50 UD	10 U	20 U	20 U	20 U	8.0 U	2 U	2 UJ	2 U	1.0 U	2 U	4 U	2 U	2.0 U	1.0 U
Xylenes (total)	1330-20-7	ug/l	5	NA	NA	40 U	40 U	NA	16 U	NA	NA	NA	2.0 U	NA	NA	NA	4.0 U	2.0 U

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]

Bold - indicates compound detected

NC - No criteria exists, NA - Not Analyzed

U - Not Detected at the Detection Limit shown

J - Estimated value

R - Rejected during validation

UT - Not detected at the detection limit shown. Associated Matrix Spike sample exceeded control limits.

UD- Sample not detected at detection limit shown. Sample diluted resulting in higher detection limit.

NA - Sampled not analyzed for constituent.

Table 5-5A
Shallow Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

				Location ID:	MW12-15	MW12-15	MW12-15	MW12-16	MW12-16	MW12-17	MW12-17	MW12-18	MW12-18	MW12-18	MW12-18	MW12-19	MW12-19	MW12-20	MW12-20
				Sample ID:	MW12-15-022714	MW12-15-111315	MW12-15-111721	MW12-16-111215	MW12-16-111921	MW12-17-111215	MW12-17-111921	MW12-18-111215	MW12_18_031419	MW12-18-072419	MW12-18-111821	MW12-19-111215	MW12-19-111821	MW12-20-111315	MW12-20_031419
				Sample Date:	2/27/2014	11/13/2015	11/17/2021	11/12/2015	11/19/2021	11/12/2015	11/19/2021	11/12/2015	3/12/2019	7/24/2019	11/18/2021	11/12/2015	11/18/2021	11/13/2015	3/14/2019
				Water-Bearing Zone:	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock
				Location:	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
	CAS No.	Unit	NYS GW CLASS GA[1]																
1,1,1,2-tetrachloroethane	630-20-6	ug/l	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA	
1,1,1-trichloroethane	71-55-6	ug/l	5	1 U	1 UJ	1.0 U	1 UJ	1.0 U	1 UJ	R	**6.4 J**	**7.8**	**8.7**	**5.3**	1 UJ	1.0 U	**1 J**	2.0 U	
1,1,2,2-tetrachloroethane	79-34-5	ug/l	5	0.5 U	0.5 UJ	1.0 U	0.5 UJ	1.0 U	0.5 UJ	R	0.5 U	1.0 U	1.0 U	1.0 U	0.5 UJ	1.0 U	0.5 UJ	2.0 U	
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	5	1 U	1 U	1.0 U	1 U	1.0 U	1 U	R	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U	2.0 U	
1,1,2-trichloroethane	79-00-5	ug/l	1	1 U	1 UJ	1.0 U	1 UJ	1.0 U	1 UJ	R	1 UJ	1.0 U	1.0 U	1.0 U	1 UJ	1.0 U	1 UJ	2.0 U	
1,1-dichloroethane	75-34-3	ug/l	5	1 U	1 U	1.0 U	1 U	1.0 U	1 U	R	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	**0.383 J**	2.0 U	
1,1-dichloroethene	75-35-4	ug/l	5	1 U	1 U	1.0 U	1 U	1.0 U	1 U	R	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U	2.0 U	
1,1-dichloropropene	563-58-6	ug/l	5	2 U	2 U	NA	2 U	NA	2 U	NA	2 U	NA	NA	NA	2 U	NA	2 U	NA	
1,2,3-trichlorobenzene	87-61-6	ug/l	5	5 U	5 U	NA	5 U	NA	5 U	NA	5 U	NA	NA	NA	5 U	NA	5 U	NA	
1,2,3-trichloropropane	96-18-4	ug/l	0.04	2 U	2 U	NA	2 U	NA	2 U	NA	2 U	NA	NA	NA	2 U	NA	2 U	NA	
1,2,4-trichlorobenzene	120-82-1	ug/l	5	1 U	1 U	1.0 U	1 U	1.0 U	1 U	R	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U	2.0 U	
1,2,4-trimethylbenzene	95-63-6	ug/l	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA	
1,2-dibromo-3-chloropropane	96-12-8	ug/l	0.04	5 U	5 U	1.0 U	5 U	1.0 U	5 U	R	5 U	1.0 U	1.0 U	1.0 U	5 U	1.0 U	5 U	2.0 U	
1,2-dibromoethane (ethylene dibromide)	106-93-4	ug/l	0.0006	0.5 U	0.5 UJ	1.0 U	0.5 UJ	1.0 U	0.5 UJ	R	0.5 UJ	1.0 U	1.0 U	1.0 U	0.5 UJ	1.0 U	0.5 UJ	2.0 U	
1,2-dichlorobenzene	95-50-1	ug/l	3	1 U	1 U	1.0 U	1 U	1.0 U	1 U	R	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U	2.0 U	
1,2-dichloroethane	107-06-2	ug/l	0.6	5 U	1 U	1.0 U	1 U	1.0 U	1 U	R	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U	2.0 U	
1,2-dichloropropane	78-87-5	ug/l	1	1 U	1 UJ	1.0 U	1 UJ	1.0 UJ	1 UJ	R	1 UJ	1.0 U	1.0 U	1.0 UJ	1 UJ	1.0 UJ	1 UJ	2.0 U	
1,3,5- trichlorobenzene	108-70-3	ug/l	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA	
1,3,5-trimethylbenzene	108-67-8	ug/l	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA	
1,3-dichlorobenzene	541-73-1	ug/l	3	1 U	1 U	1.0 U	1 U	1.0 U	1 U	R	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U	2.0 U	
1,3-dichloropropane	142-28-9	ug/l	5	0.5 U	0.5 U	NA	0.5 U	NA	0.5 U	NA	0.5 U	NA	NA	NA	0.5 U	NA	0.5 U	NA	
1,4-dichlorobenzene	106-46-7	ug/l	3	1 U	1 U	1.0 U	1 U	1.0 U	1 U	R	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U	2.0 U	
2,2-dichloropropane	594-20-7	ug/l	5	1 U	1 UJ	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA	NA	NA	1 UJ	NA	1 UJ	NA	
2-hexanone	591-78-6	ug/l	50	10 U	10 UJ	5.0 U	10 UJ	5.0 U	10 UJ	R	10 UJ	5.0 U	5.0 U	5.0 U	10 UJ	5.0 U	10 UJ	10 U	
4-isopropyltoluene	99-87-6	ug/l	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA	
Acetone	67-64-1	ug/l	50	50 U	50 UJ	**13**	**25.3 J**	10 U	50 UJ	**3.8 J**	50 UJ	10 U	10 U	10 U	50 UJ	10 U	50 UJ	20 U	
Acrylonitrile	107-13-1	ug/l	5	5 U	5 U	NA	5 U	NA	5 U	NA	5 U	NA	NA	NA	5 U	NA	5 U	NA	
Benzene	71-43-2	ug/l	1	**0.266 J**	**0.499 J**	**0.45 J**	**1.1 J**	1.0 U	1 UJ	R	1 UJ	1.0 U	1.0 U	1.0 U	1 UJ	1.0 U	1 UJ	2.0 U	
Bromobenzene	108-86-1	ug/l	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA	
Bromochloromethane	74-97-5	ug/l	5	1 U	1 UJ	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 UJ	NA	
Bromodichloromethane	75-27-4	ug/l	50	0.5 U	0.5 U	1.0 U	0.5 UJ	1.0 UJ	0.5 UJ	R	0.5 UJ	1.0 U	1.0 U	1.0 UJ	0.5 UJ	1.0 UJ	0.5 U	2.0 U	
Bromoform	75-25-2	ug/l	50	1 U	1 U	1.0 UJ	1 U	1.0 UJ	1 U	R	1 U	1.0 U	1.0 U	1.0 UJ	1 U	1.0 UJ	1 U	2.0 U	
Bromomethane	74-83-9	ug/l	5	2 U	5 U	1.0 U	5 U	1.0 U	5 U	R	5 U	1.0 U	1.0 U	1.0 U	5 U	1.0 U	5 U	2.0 U	
Carbon disulfide	75-15-0	ug/l	60	4 U	4 U	1.0 UJ	4 U	1.0 UJ	4 U	R	4 U	1.0 U	1.0 U	1.0 UJ	4 U	1.0 UJ	4 U	2.0 U	
Carbon tetrachloride	56-23-5	ug/l	5	5 U	5 UJ	1.0 U	5 UJ	1.0 U	5 UJ	R	5 UJ	1.0 U	1.0 U	1.0 U	5 UJ	1.0 U	5 UJ	2.0 U	
Chlorobenzene	108-90-7	ug/l	5	1 U	1 UJ	1.0 U	1 UJ	1.0 U	1 UJ	R	1 UJ	1.0 U	1.0 U	1.0 U	1 UJ	1.0 U	1 UJ	2.0 U	
Chloroethane	75-00-3	ug/l	5	2 U	2 U	1.0 U	2 U	1.0 UT	2 U	R	2 U	1.0 U	1.0 U	1.0 UT	2 U	1.0 UT	2 U	2.0 U	
Chloroform	67-66-3	ug/l	7	**1.47 J**	2 U	1.0 U	2 U	1.0 U	2 U	R	2 U	1.0 U	1.0 U	1.0 U	**1.63 J**	1.0 U	**0.375 J**	2.0 U	
Chloromethane	74-87-3	ug/l	5	2 U	2 U	1.0 U	2 U	1.0 U	2 U	R	2 U	1.0 U	1.0 U	1.0 U	2 U	1.0 U	2 U	2.0 U	
Cis-1,2-dichloroethylene	156-59-2	ug/l	5	1 U	1 U	1.0 U	1 U	1.0 U	1 U	R	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U	2.0 U	
Cis-1,3-dichloropropene	10061-01-5	ug/l	0.4	0.5 U	0.5 UJ	1.0 U	0.5 UJ	1.0 U	0.5 UJ	R	0.5 UJ	1.0 U	1.0 U	1.0 U	0.5 UJ	1.0 U	0.5 UJ	2.0 U	
Cyclohexane	110-82-7	ug/l	NC	NA	NA	1.0 U	NA	1.0 U	NA	R	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	2.0 U	
Dibromochloromethane	124-48-1	ug/l	50	0.5 U	0.5 UJ	1.0 UJ	0.5 UJ	1.0 UJ	0.5 UJ	R	0.5 UJ	1.0 U	1.0 U	1.0 UJ	0.5 UJ	1.0 UJ	0.5 UJ	2.0 U	
Dibromomethane	74-95-3	ug/l	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA	
Dichlorodifluoromethane	75-71-8	ug/l	5	2 U	2 U	1.0 U	2 U	1.0 U	2 U	R	2 U	1.0 U	1.0 U	1.0 U	2 U	1.0 U	2 U	2.0 U	
Diisopropyl ether	108-20-3	ug/l	NC	0.5 U	0.5 U	NA	0.5 U	NA	0.5 U	NA	0.5 U	NA	NA	NA	0.5 U	NA	0.5 U	NA	
Ethyl ether	60-29-7	ug/l	NC	2 U	2 U	NA	2 U	NA	2 U	NA	2 U	NA	NA	NA	2 U	NA	2 U	NA	
Ethylbenzene	100-41-4	ug/l	5	1 U	1 UJ	1.0 U	1 UJ	1.0 U	1 UJ	R	1 UJ	1.0 U	1.0 U	1.0 U	1 UJ	1.0 U	1 UJ	2.0 U	
Hexachlorobutadiene	87-68-3	ug/l	0.5	0.5 U	0.5 U	NA	0.5 U	NA	0.5 U	NA	0.5 U	NA	NA	NA	0.5 U	NA	0.5 U	NA	
Isopropylbenzene (cumene)	98-82-8	ug/l	5	1 U	1 UJ	1.0 U	1 UJ	1.0 U	1 UJ	R	1 UJ	1.0 U	1.0 U	1.0 U	1 UJ	1.0 U	1 UJ	2.0 U	
M and p xylenes	179601-23-1	ug/l	NC	2 U	2 UJ	NA	**0.332 J**	NA	2 UJ	NA	2 UJ	NA	2.0 U	NA	2 UJ	NA	2 UJ	NA	
Methyl acetate	79-20-9	ug/l	NC	NA	NA	2.5 U	NA	2.5 U	NA	R	NA	2.5 U	2.5 U	2.5 U	NA	2.5 U	NA	5.0 U	
Methyl ethyl ketone (2-butanone)	78-93-3	ug/l	50	20 U	20 U	10 U	20 U	10 U	20 U	R	20 U	10 U	10 U	10 U	20 U	10 U	20 U	20 U	
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	ug/l	NC	10 U	10 UJ	5.0 U	10 UJ	5.0 U	10 UJ	R	10 UJ	5.0 U	5.0 U	5.0 U	10 UJ	5.0 U	10 UJ	10 U	
Methylcyclohexane	108-87-2	ug/l	NC	NA	NA	1.0 U	NA	1.0 U	NA	R	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U	NA	2.0 U	
Methylene chloride	75-09-2	ug/l	5	5 U	5 U	1.0 U	5 U	1.0 U	5 U	R	5 U	1.0 U	1.0 U	1.0 U	5 U	1.0 U	5 U	2.0 U	
Naphthalene	91-20-3	ug/l	10	2 U	2 U	NA	2 U	NA	2 U	NA	2 U	NA	NA	NA	2 U	NA	2 U	NA	
N-butylbenzene	104-51-8	ug/l	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA	
N-propylbenzene	103-65-1	ug/l	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA	
O-chlorotoluene	95-49-8	ug/l	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA	
O-xylene (1,2-dimethylbenzene)	95-47-6	ug/l	5	1 U	1 UJ	NA	1 UJ	NA	1 UJ	NA	1 UJ	NA	1.0 U	NA	1 UJ	NA	1 UJ	NA	
P-chlorotoluene	106-43-4	ug/l	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA	
Sec-butylbenzene	135-98-8	ug/l	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA	
Styrene	100-42-5	ug/l	5	1 U	1 UJ	1.0 U	1 UJ	1.0 U	1 UJ	R	1 UJ	1.0 U	1.0 U	1.0 U	1 UJ	1.0 U	1 UJ	2.0 U	
T-butyl alcohol	75-65-0	ug/l	NC	20 U	20 U	NA	20 U	NA	20 U	NA	20 U	NA	NA	NA	20 U	NA	20 U	NA	
Tert-amyl methyl ether	994-05-8	ug/l	NC	0.5 U	0.5 U	NA	0.5 U	NA	0.5 U	NA	0.5 U	NA	NA	NA	0.5 U	NA	0.5 U	NA	
Tert-butyl ethyl ether	637-92-3	ug/l	NC	0.5 U	0.5 U	NA	0.5 U	NA	0.5 U	NA	0.5 U	NA	NA	NA	0.5 U	NA	0.5 U	NA	
Tert-butyl methyl ether	1634-04-4	ug/l	10	1 U	1 U	1.0 U	1 U	1.0 U	1 U	R	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U	2.0 U	

Table 5-5A
Shallow Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW12-15	MW12-15	MW12-15	MW12-16	MW12-16	MW12-17	MW12-17	MW12-18	MW12-18	MW12-18	MW12-18	MW12-19	MW12-19	MW12-20	MW12-20
			Sample ID:	MW12-15-022714	MW12-15-111315	MW12-15-111721	MW12-16-111215	MW12-16-111921	MW12-17-111215	MW12-17-111921	MW12-18-111215	MW12-18_031419	MW12-18-072419	MW12-18-111821	MW12-19-111215	MW12-19-111821	MW12-20-111315	MW12-20_031419
			Sample Date:	2/27/2014	11/13/2015	11/17/2021	11/12/2015	11/19/2021	11/12/2015	11/19/2021	11/12/2015	3/12/2019	7/24/2019	11/18/2021	11/12/2015	11/18/2021	11/13/2015	3/14/2019
			Water-Bearing Zone:	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock
			Location:	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site
	CAS No.	Unit	NYS GW CLASS GA[1]															
Tert-butylbenzene	98-06-6	ug/l	5	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	NA	NA	1 U	NA	1 U	NA
Tetrachloroethylene(pce)	127-18-4	ug/l	5	1 U	1 UJ	1.0 U	1 UJ	1.0 U	1 UJ	R	1 UJ	1.0 U	1.0 U	1.0 U	1 UJ	1.0 U	**4.9 J**	**0.81 J**
Tetrahydrofuran	109-99-9	ug/l	50	10 U	10 U	NA	10 U	NA	10 U	NA	10 U	NA	NA	NA	10 U	NA	10 U	NA
Toluene	108-88-3	ug/l	5	**0.297 J**	**0.356 J**	1.0 U	**1.4 J**	1.0 U	1 UJ	R	1 UJ	1.0 U	1.0 U	1.0 U	**0.414 J**	1.0 U	**0.125 J**	2.0 U
Trans-1,2-dichloroethene	156-60-5	ug/l	5	1 U	1 U	1.0 U	1 U	1.0 U	1 U	R	1 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U	1 U	2.0 U
Trans-1,3-dichloropropene	10061-02-6	ug/l	0.4	0.5 U	0.5 UJ	1.0 U	0.5 UJ	1.0 U	0.5 UJ	R	0.5 UJ	1.0 U	1.0 U	1.0 U	0.5 UJ	1.0 U	0.5 UJ	2.0 U
Trans-1,4-dichlorobutene	110-57-6	ug/l	5	2 U	2 U	NA	2 U	NA	2 U	NA	2 U	NA	NA	NA	2 U	NA	2 U	NA
Trichloroethylene (tce)	79-01-6	ug/l	5	1 U	1 UJ	1.0 U	1 UJ	1.0 U	1 UJ	R	1 UJ	1.0 U	1.0 U	1.0 U	1 UJ	1.0 U	1 UJ	2.0 U
Trichlorofluoromethane	75-69-4	ug/l	5	2 U	2 U	1.0 U	2 U	1.0 U	2 U	R	2 U	1.0 U	1.0 U	1.0 U	2 U	1.0 U	2 U	2.0 U
Vinyl chloride	75-01-4	ug/l	2	2 U	2 U	1.0 U	2 U	1.0 U	2 U	R	2 U	1.0 U	1.0 U	1.0 U	2 U	1.0 U	2 U	2.0 U
Xylenes (total)	1330-20-7	ug/l	5	NA	NA	2.0 U	NA	2.0 U	NA	R	NA	2.0 U	NA	2.0 U	NA	2.0 U	NA	4.0 U

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]

Bold - indicates compound detected

NC - No criteria exists, NA - Not Analyzed

U - Not Detected at the Detection Limit shown

J - Estimated value

R - Rejected during validation

UT - Not detected at the detection limit shown. Associated Matrix Spike sample exceeded control limits.

UD- Sample not detected at detection limit shown. Sample diluted resulting in higher detection limit.

NA - Sampled not analyzed for constituent.

Table 5-5A
Shallow Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW12-20	MW12-20	MW12-27	MW12-27	MW12-27	MW12-28	MW12-28	MW12-28	TW12-02	TW12-02
			Sample ID:	MW12-20-072419	MW12-20-111821	MW12-27_031419	MW12-27-072519	MW12-27-111821	MW12-28_031419	MW12-28-072619	MW12-28-111921	TW12-02	TW12-02_031419
			Sample Date:	7/24/2019	11/18/2021	3/14/2019	7/25/2019	11/18/2021	3/14/2019	7/26/2019	11/19/2021	12/6/2012	3/14/2019
			Water-Bearing Zone:	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock
			Location:	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	On-Site	On-Site
	CAS No.	Unit	NYS GW CLASS GA[1]										
1,1,1,2-tetrachloroethane	630-20-6	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,1,1-trichloroethane	71-55-6	ug/l	5	**1.2**	1.0 U	1.0 U	1.0 U	1.0 U	**0.98 J**	1.0 U	1.0 U	**330**	**37**
1,1,2,2-tetrachloroethane	79-34-5	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**6.2**	1.0 U
1,1,2-trichloroethane	79-00-5	ug/l	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
1,1-dichloroethane	75-34-3	ug/l	5	**0.73 J**	**0.72 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**73**	**1.4**
1,1-dichloroethene	75-35-4	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**13**	**0.86 J**
1,1-dichloropropene	563-58-6	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	2 U	NA
1,2,3-trichlorobenzene	87-61-6	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	5 U	NA
1,2,3-trichloropropane	96-18-4	ug/l	0.04	NA	NA	NA	NA	NA	NA	NA	NA	2 U	NA
1,2,4-trichlorobenzene	120-82-1	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5 U	1.0 U
1,2,4-trimethylbenzene	95-63-6	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,2-dibromo-3-chloropropane	96-12-8	ug/l	0.04	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5 UJ	1.0 U
1,2-dibromoethane (ethylene dibromide)	106-93-4	ug/l	0.0006	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U
1,2-dichlorobenzene	95-50-1	ug/l	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
1,2-dichloroethane	107-06-2	ug/l	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1 J**	1.0 U
1,2-dichloropropane	78-87-5	ug/l	1	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1 U	1.0 U
1,3,5- trichlorobenzene	108-70-3	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,3,5-trimethylbenzene	108-67-8	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
1,3-dichlorobenzene	541-73-1	ug/l	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
1,3-dichloropropane	142-28-9	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	NA
1,4-dichlorobenzene	106-46-7	ug/l	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
2,2-dichloropropane	594-20-7	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
2-hexanone	591-78-6	ug/l	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U
4-isopropyltoluene	99-87-6	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Acetone	67-64-1	ug/l	50	10 U	10 U	**3.1 J**	**3.9 J**	10 U	**4.0 J**	**11**	**4.3 J**	50 U	10 U
Acrylonitrile	107-13-1	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	5 U	NA
Benzene	71-43-2	ug/l	1	1.0 U	1.0 U	1.0 U	**1.1**	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Bromobenzene	108-86-1	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Bromochloromethane	74-97-5	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Bromodichloromethane	75-27-4	ug/l	50	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	0.5 U	1.0 U
Bromoform	75-25-2	ug/l	50	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1 U	1.0 U
Bromomethane	74-83-9	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2 U	1.0 U
Carbon disulfide	75-15-0	ug/l	60	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	**0.41 J**	1.0 U	1.0 UJ	2 U	1.0 U
Carbon tetrachloride	56-23-5	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5 U	1.0 U
Chlorobenzene	108-90-7	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Chloroethane	75-00-3	ug/l	5	1.0 U	1.0 UT	1.0 U	1.0 U	1.0 UT	1.0 U	1.0 U	1.0 UT	2 U	1.0 U
Chloroform	67-66-3	ug/l	7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**2 J**	1.0 U
Chloromethane	74-87-3	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**2 J**	1.0 U
Cis-1,2-dichloroethylene	156-59-2	ug/l	5	**1.2**	**1.8**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Cis-1,3-dichloropropene	10061-01-5	ug/l	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U
Cyclohexane	110-82-7	ug/l	NC	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U
Dibromochloromethane	124-48-1	ug/l	50	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	0.5 U	1.0 U
Dibromomethane	74-95-3	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Dichlorodifluoromethane	75-71-8	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**2 J**	1.0 U
Diisopropyl ether	108-20-3	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	NA
Ethyl ether	60-29-7	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	NA	2 U	NA
Ethylbenzene	100-41-4	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Hexachlorobutadiene	87-68-3	ug/l	0.5	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	NA
Isopropylbenzene (cumene)	98-82-8	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
M and p xylenes	179601-23-1	ug/l	NC	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	2 U	NA
Methyl acetate	79-20-9	ug/l	NC	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	NA	2.5 U
Methyl ethyl ketone (2-butanone)	78-93-3	ug/l	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	ug/l	NC	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U
Methylcyclohexane	108-87-2	ug/l	NC	1.0 U	1.0 U	1.0 U	**0.18 J**	1.0 U	1.0 U	**0.27 J**	1.0 U	NA	1.0 U
Methylene chloride	75-09-2	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5 U	1.0 U
Naphthalene	91-20-3	ug/l	10	NA	NA	NA	NA	NA	NA	NA	NA	5 U	NA
N-butylbenzene	104-51-8	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
N-propylbenzene	103-65-1	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
O-chlorotoluene	95-49-8	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
O-xylene (1,2-dimethylbenzene)	95-47-6	ug/l	5	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U	NA	1 U	NA
P-chlorotoluene	106-43-4	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Sec-butylbenzene	135-98-8	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Styrene	100-42-5	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
T-butyl alcohol	75-65-0	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	NA	20 U	NA
Tert-amyl methyl ether	994-05-8	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	NA
Tert-butyl ethyl ether	637-92-3	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	NA	0.5 U	NA
Tert-butyl methyl ether	1634-04-4	ug/l	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U

Table 5-5A
Shallow Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

				Location ID:	MW12-20	MW12-20	MW12-27	MW12-27	MW12-27	MW12-28	MW12-28	MW12-28	TW12-02	TW12-02
				Sample ID:	MW12-20-072419	MW12-20-111821	MW12-27_031419	MW12-27-072519	MW12-27-111821	MW12-28_031419	MW12-28-072619	MW12-28-111921	TW12-02	TW12_02_031419
				Sample Date:	7/24/2019	11/18/2021	3/14/2019	7/25/2019	11/18/2021	3/14/2019	7/26/2019	11/19/2021	12/6/2012	3/14/2019
				Water-Bearing Zone:	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock	Shallow Bedrock
				Location:	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	Off-Site	On-Site	On-Site
	CAS No.	Unit	NYS GW CLASS GA[1]											
Tert-butylbenzene	98-06-6	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	1 U	NA
Tetrachloroethylene(pce)	127-18-4	ug/l	5	**4.3**	**2.8**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Tetrahydrofuran	109-99-9	ug/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA
Toluene	108-88-3	ug/l	5	1.0 U	1.0 U	1.0 U	**0.65 J**	1.0 U	1.0 U	1.0 U	**0.66 J**	1.0 U	1 U	1.0 U
Trans-1,2-dichloroethene	156-60-5	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Trans-1,3-dichloropropene	10061-02-6	ug/l	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U
Trans-1,4-dichlorobutene	110-57-6	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	2 U	NA
Trichloroethylene (tce)	79-01-6	ug/l	5	**4.0**	**2.2**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1 U	1.0 U
Trichlorofluoromethane	75-69-4	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2 U	1.0 U
Vinyl chloride	75-01-4	ug/l	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2 U	1.0 U
Xylenes (total)	1330-20-7	ug/l	5	NA	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	2.0 U	NA	NA	2.0 U

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]

Bold - indicates compound detected

NC - No criteria exists, NA - Not Analyzed

U - Not Detected at the Detection Limit shown

J - Estimated value

R - Rejected during validation

UT - Not detected at the detection limit shown. Associated Matrix Spike sample exceeded control limits.

UD- Sample not detected at detection limit shown. Sample diluted resulting in higher detection limit.

NA - Sampled not analyzed for constituent.

Table 5-5B
Shallow Bedrock Groundwater Analytical Data Summary - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW-1	MW-1	MW-1	MW-1	MW-2	MW-2	MW-3	MW-3	MW12-01	MW12-01	MW12-02	MW12-02	MW12-02	MW12-02	MW12-03	MW12-03	MW12-04	MW12-04
			Sample ID:	MW-1	MW-1-072519	X4-072519	MW-1-111721	MW-2	MW-2-111721	MW-3	MW-3-111721	MW12-01	MW12-01-111721	MW12-02	MW12-FD-1	MW12-02-072319	MW12-02-111921	X-2-111921	MW12-03	MW12-03-111721	MW12-04	MW12-04-072419
			Sample Date:	12/6/2012	7/25/2019	7/25/2019	11/17/2021	12/6/2012	11/17/2021	12/6/2012	11/17/2021	12/7/2012	11/17/2021	12/6/2012	12/6/2012	7/23/2019	11/19/2021	11/19/2021	12/5/2012	11/17/2021	12/5/2012	7/24/2019
Chemical Name	CAS No.	Unit	NYS GW CLASS GA[1]																		
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	5	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
1,2-Diphenylhydrazine	122-66-7	ug/l	0	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
1-Methylnaphthalene	90-12-0	ug/l	NC	5 U	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U	5 U	NA	NA	NA	5 U	NA	5 U	NA
2,4,5-Trichlorophenol	95-95-4	ug/l	1	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
2,4,6-Trichlorophenol	88-06-2	ug/l	NC	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
2,4-Dichlorophenol	120-83-2	ug/l	5	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
2,4-Dimethylphenol	105-67-9	ug/l	50	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
2,4-Dinitrophenol	51-28-5	ug/l	10	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
2,4-Dinitrotoluene	121-14-2	ug/l	5	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
2,6-Dinitrotoluene	606-20-2	ug/l	5	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
2-Chloronaphthalene	91-58-7	ug/l	10	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
2-Chlorophenol	95-57-8	ug/l	1	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
2-Methylnaphthalene	91-57-6	ug/l	NC	1 U	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA	NA	NA	1 U	NA	1 U	NA
2-Methylphenol	95-48-7	ug/l	1	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
2-Nitroaniline	88-74-4	ug/l	5	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
2-Nitrophenol	88-75-5	ug/l	1	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
3/4-Methyphenol (Total)	MEPH3MEPH4	ug/l	NC	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
3,3-Dichlorobenzidine	91-94-1	ug/l	5	10 UJ	NA	NA	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	10 UJ	10 UJ	NA	NA	NA	10 U	NA	10 U	NA
3-Nitroaniline	99-09-2	ug/l	5	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	1	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
4-Bromophenyl-phenylether	101-55-3	ug/l	NC	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
4-Chloro-3-methylphenol	59-50-7	ug/l	1	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
4-Chloroaniline	106-47-8	ug/l	5	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	R	NA	R	NA	NA
4-Chlorophenyl-phenylether	7005-72-3	ug/l	NC	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
4-Nitroaniline	100-01-6	ug/l	5	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
4-Nitrophenol	100-02-7	ug/l	1	10 UJ	NA	NA	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	10 UJ	10 UJ	NA	NA	NA	10 U	NA	10 U	NA
Acenaphthene	83-32-9	ug/l	NC	0.3 U	NA	NA	NA	0.3 U	NA	0.3 U	NA	0.3 U	NA	0.3 U	0.3 U	NA	NA	NA	0.3 U	NA	0.3 U	NA
Acenaphthylene	208-96-8	ug/l	NC	0.3 U	NA	NA	NA	0.3 U	NA	0.3 U	NA	0.3 U	NA	0.3 U	0.3 U	NA	NA	NA	0.3 U	NA	0.3 U	NA
Acetophenone	98-86-2	ug/l	NC	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Aniline	62-53-3	ug/l	5	5 U	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U	5 U	NA	NA	NA	5 U	NA	5 U	NA
Anthracene	120-12-7	ug/l	50	0.2 U	NA	NA	NA	0.2 U	NA	0.2 U	NA	0.2 U	NA	0.2 U	0.2 U	NA	NA	NA	0.2 U	NA	0.2 U	NA
Benzo[a]anthracene	56-55-3	ug/l	0.002	0.05 U	NA	NA	NA	0.05 U	NA	0.05 U	NA	0.05 U	NA	0.05 U	0.05 U	NA	NA	NA	0.05 U	NA	0.05 U	NA
Benzo[a]pyrene	50-32-8	ug/l	0	0.1 U	NA	NA	NA	0.1 U	NA	0.1 U	NA	0.1 U	NA	0.1 U	0.1 U	NA	NA	NA	0.1 U	NA	0.1 U	NA
Benzo[b]fluoranthene	205-99-2	ug/l	0.002	0.05 U	NA	NA	NA	0.05 U	NA	0.05 U	NA	0.05 U	NA	0.05 U	0.05 U	NA	NA	NA	0.05 U	NA	0.05 U	NA
Benzo[g,h,i]perylene	191-24-2	ug/l	NC	0.5 U	NA	NA	NA	0.5 U	NA	0.5 U	NA	0.5 U	NA	0.5 U	0.5 U	NA	NA	NA	0.5 U	NA	0.5 U	NA
Benzo[k]fluoranthene	207-08-9	ug/l	0.002	0.2 U	NA	NA	NA	0.2 U	NA	0.2 U	NA	0.2 U	NA	0.2 U	0.2 U	NA	NA	NA	0.2 U	NA	0.2 U	NA
Benzidine	92-87-5	ug/l	5	NA	R	NA	NA	R	NA	NA	NA	R	NA	NA	R	NA	NA	NA	R	NA	R	NA
Benzoic Acid	65-85-0	ug/l	NC	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Bis(2-Chloroethoxy)methane	111-91-1	ug/l	5	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Bis(2-Chloroethyl)Ether	111-44-4	ug/l	1	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Bis(2-chloroisopropyl)ether	39638-32-9	ug/l	NC	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	5	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Butylbenzylphthalate	85-68-7	ug/l	50	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Carbazole	86-74-8	ug/l	NC	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Chrysene	218-01-9	ug/l	0.002	0.2 U	NA	NA	NA	0.2 U	NA	0.2 U	NA	0.2 U	NA	0.2 U	0.2 U	NA	NA	NA	0.2 U	NA	0.2 U	NA
Dibenzo[a,h]Anthracene	53-70-3	ug/l	NC	0.2 U	NA	NA	NA	0.2 U	NA	0.2 U	NA	0.2 U	NA	0.2 U	0.2 U	NA	NA	NA	0.2 UJ	NA	0.2 UJ	NA
Dibenzofuran	132-64-9	ug/l	NC	5 U	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U	5 U	NA	NA	NA	5 U	NA	5 U	NA
Diethylphthalate	84-66-2	ug/l	50	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Dimethylphthalate	131-11-3	ug/l	50	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Di-n-butylphthalate	84-74-2	ug/l	50	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Di-n-octylphthalate	117-84-0	ug/l	50	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Fluoranthene	206-44-0	ug/l	50	0.5 U	NA	NA	NA	0.5 U	NA	0.5 U	NA	**0.5 J**	NA	0.5 U	0.5 U	NA	NA	NA	0.5 U	NA	0.5 U	NA
Fluorene	86-73-7	ug/l	50	1 U	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA	NA	NA	1 U	NA	1 U	NA
Hexachlorocyclopentadiene	77-47-4	ug/l	5	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Hexachloroethane	67-72-1	ug/l	5	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Indeno[1,2,3-cd]pyrene	193-39-5	ug/l	0.002	0.2 U	NA	NA	NA	0.2 U	NA	0.2 U	NA	0.2 U	NA	0.2 U	0.2 U	NA	NA	NA	0.2 U	NA	0.2 U	NA
Isophorone	78-59-1	ug/l	50	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Nitrobenzene	98-95-3	ug/l	0.4	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
N-Nitrosodimethylamine	62-75-9	ug/l	NC	5 U	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U	5 U	NA	NA	NA	5 U	NA	5 U	NA
N-Nitroso-Di-N-Propylamine	621-64-7	ug/l	NC	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
N-Nitrosodiphenylamine	86-30-6	ug/l	50	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Pentachloronitrobenzene	82-68-8	ug/l	0	10 UJ	NA	NA	NA	10 UJ	NA	10 UJ	NA	10 UJ	NA	10 UJ	10 UJ	NA	NA	NA	10 UJ	NA	10 UJ	NA
Pentachlorophenol	87-86-5	ug/l	NC	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Phenanthrene	85-01-8	ug/l	50	0.05 U	NA	NA	NA	0.05 U	NA	0.05 U	NA	0.05 U	NA	0.05 U	0.05 U	NA	NA	NA	0.05 U	NA	0.05 U	NA
Phenol	108-95-2	ug/l	NC	10 U	NA	NA	NA	10 U	NA	10 U	NA	10 U	NA	10 U	10 U	NA	NA	NA	10 U	NA	10 U	NA
Pyrene	129-00-0	ug/l	50	1 U	NA	NA	NA	1 U	NA	1 U	NA	1 U	NA	1 U	1 U	NA	NA	NA	1 U	NA	1 U	NA
Pyridine	110-86-1	ug/l	50	5 U	NA	NA	NA	5 U	NA	5 U	NA	5 U	NA	5 U	5 U	NA	NA	NA	R	NA	R	NA
1,4-Dioxane	123-91-1	ug/l	0.35*	NA	**140 E**	**150 E**	**140 E**	NA	**31 E**	NA	**7.8**	NA	0.20 U	NA	NA	**22 E**	**5.8**	**6.4**	NA	**1.8**	NA	**61 E**

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]

Bold - indicates compound detected

* - Guidance value

NC - No criteria exists

NA - No Analyzed

U - Not Detected at the Detection Limit shown

UJ - The analyte was not detected. The reported quanitation limit is an estimate

J - Estimated Value

R - Rejected during validation

Table 5-5B
Shallow Bedrock Groundwater Analytical Data Summary - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW12-04	MW12-05	MW12-05	MW12-06	MW12-06	MW12-07	MW12-07	MW12-07	MW12-08	MW12-08	MW12-09	MW12-10	MW12-11	MW12-11	MW12-12	MW12-12	MW12-13	MW12-14	MW12-15
			Sample ID:	MW12-04-111921	MW12-05	MW12-05-111721	MW12-06	MW12-06-111821	MW12-07-072419	MW12-07-111621	X-1-111621	MW12-08-072419	MW12-08-111921	MW12-09-111821	MW12-10-111821	MW12-11-072319	MW12-11-111821	MW12-12-072419	MW12-12-111921	MW12-13-111721	MW12-14-111921	MW12-15-111721
			Sample Date:	11/19/2021	12/7/2012	11/17/2021	12/5/2012	11/18/2021	7/24/2019	11/16/2021	11/16/2021	7/24/2019	11/19/2021	11/18/2021	11/18/2021	7/23/2019	11/18/2021	7/24/2019	11/19/2021	11/17/2021	11/19/2021	11/17/2021
Chemical Name	CAS No.	Unit	NYS GW CLASS GA[1]																			
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	5	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	122-66-7	ug/l	0	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	ug/l	NC	NA	5 U	NA	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	ug/l	1	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	ug/l	NC	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	ug/l	5	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	105-67-9	ug/l	50	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	ug/l	10	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	ug/l	5	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	ug/l	5	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	ug/l	10	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	95-57-8	ug/l	1	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	ug/l	NC	NA	1 U	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	95-48-7	ug/l	1	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	88-74-4	ug/l	5	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	88-75-5	ug/l	1	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3/4-Methyphenol (Total)	MEPH3MEPH4	ug/l	NC	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3-Dichlorobenzidine	91-94-1	ug/l	5	NA	10 UJ	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	99-09-2	ug/l	5	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	1	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	101-55-3	ug/l	NC	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	59-50-7	ug/l	1	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	106-47-8	ug/l	5	NA	10 U	NA	R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	7005-72-3	ug/l	NC	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	100-01-6	ug/l	5	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	ug/l	1	NA	10 UJ	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	83-32-9	ug/l	NC	NA	0.3 U	NA	0.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	208-96-8	ug/l	NC	NA	0.3 U	NA	0.3 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	98-86-2	ug/l	NC	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aniline	62-53-3	ug/l	5	NA	5 U	NA	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	ug/l	50	NA	0.2 U	NA	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo[a]anthracene	56-55-3	ug/l	0.002	NA	0.05 U	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo[a]pyrene	50-32-8	ug/l	0	NA	0.1 U	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo[b]fluoranthene	205-99-2	ug/l	0.002	NA	0.05 U	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo[g,h,i]perylene	191-24-2	ug/l	NC	NA	0.5 U	NA	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo[k]fluoranthene	207-08-9	ug/l	0.002	NA	0.2 U	NA	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzidine	92-87-5	ug/l	5	NA	R	NA	R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzoic Acid	65-85-0	ug/l	NC	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-Chloroethoxy)methane	111-91-1	ug/l	5	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-Chloroethyl)Ether	111-44-4	ug/l	1	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	39638-32-9	ug/l	NC	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	5	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	85-68-7	ug/l	50	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	86-74-8	ug/l	NC	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	218-01-9	ug/l	0.002	NA	0.2 U	NA	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo[a,h]Anthracene	53-70-3	ug/l	NC	NA	0.2 U	NA	0.2 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	132-64-9	ug/l	NC	NA	5 U	NA	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	84-66-2	ug/l	50	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	131-11-3	ug/l	50	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	84-74-2	ug/l	50	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octylphthalate	117-84-0	ug/l	50	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	206-44-0	ug/l	50	NA	0.5 U	NA	0.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	86-73-7	ug/l	50	NA	1 U	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	ug/l	5	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	ug/l	5	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno[1,2,3-cd]pyrene	193-39-5	ug/l	0.002	NA	0.2 U	NA	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	78-59-1	ug/l	50	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	ug/l	0.4	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodimethylamine	62-75-9	ug/l	NC	NA	5 U	NA	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-Di-N-Propylamine	621-64-7	ug/l	NC	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	86-30-6	ug/l	50	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachloronitrobenzene	82-68-8	ug/l	0	NA	10 UJ	NA	10 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	87-86-5	ug/l	NC	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	85-01-8	ug/l	50	NA	0.05 U	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	108-95-2	ug/l	NC	NA	10 U	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	129-00-0	ug/l	50	NA	1 U	NA	1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyridine	110-86-1	ug/l	50	NA	5 U	NA	R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	123-91-1	ug/l	0.35*	**72**	NA	0.20 U	NA	0.20 U	**52 E**	**26 E**	**73**	**2.0 E**	**0.64**	0.20 U	**0.26**	**9.8 E**	**3.2**	**970 E**	**810 E**	**8.8**	**2.5**	0.20 U

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]

Bold - indicates compound detected

* - Guidance value

NC - No criteria exists

NA - No Analyzed

U - Not Detected at the Detection Limit shown

UJ - The analyte was not detected. The reported quanitation limit is an estimate

J - Estimated Value

R - Rejected during validation

Table 5-5B
Shallow Bedrock Groundwater Analytical Data Summary - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW12-16	MW12-17	MW12-18	MW12-19	MW12-20	MW12-27	MW12-28	TW12-02
			Sample ID:	MW12-16-111921	MW12-17-111921	MW12-18-111821	MW12-19-111821	MW12-20-111821	MW12-27-111821	MW12-28-111921	TW12-02
			Sample Date:	11/19/2021	11/19/2021	11/18/2021	11/18/2021	11/18/2021	11/18/2021	11/19/2021	12/6/2012
Chemical Name	CAS No.	Unit	NYS GW CLASS GA[1]								
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	5	NA	NA	NA	NA	NA	NA	NA	10 U
1,2-Diphenylhydrazine	122-66-7	ug/l	0	NA	NA	NA	NA	NA	NA	NA	10 U
1-Methylnaphthalene	90-12-0	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	5 U
2,4,5-Trichlorophenol	95-95-4	ug/l	1	NA	NA	NA	NA	NA	NA	NA	10 U
2,4,6-Trichlorophenol	88-06-2	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	10 U
2,4-Dichlorophenol	120-83-2	ug/l	5	NA	NA	NA	NA	NA	NA	NA	10 U
2,4-Dimethylphenol	105-67-9	ug/l	50	NA	NA	NA	NA	NA	NA	NA	10 U
2,4-Dinitrophenol	51-28-5	ug/l	10	NA	NA	NA	NA	NA	NA	NA	10 U
2,4-Dinitrotoluene	121-14-2	ug/l	5	NA	NA	NA	NA	NA	NA	NA	10 U
2,6-Dinitrotoluene	606-20-2	ug/l	5	NA	NA	NA	NA	NA	NA	NA	10 U
2-Chloronaphthalene	91-58-7	ug/l	10	NA	NA	NA	NA	NA	NA	NA	10 U
2-Chlorophenol	95-57-8	ug/l	1	NA	NA	NA	NA	NA	NA	NA	10 U
2-Methylnaphthalene	91-57-6	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	1 U
2-Methylphenol	95-48-7	ug/l	1	NA	NA	NA	NA	NA	NA	NA	10 U
2-Nitroaniline	88-74-4	ug/l	5	NA	NA	NA	NA	NA	NA	NA	10 U
2-Nitrophenol	88-75-5	ug/l	1	NA	NA	NA	NA	NA	NA	NA	10 U
3/4-Methyphenol (Total)	MEPH3MEPH4	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	10 U
3,3-Dichlorobenzidine	91-94-1	ug/l	5	NA	NA	NA	NA	NA	NA	NA	10 UJ
3-Nitroaniline	99-09-2	ug/l	5	NA	NA	NA	NA	NA	NA	NA	10 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/l	1	NA	NA	NA	NA	NA	NA	NA	10 U
4-Bromophenyl-phenylether	101-55-3	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	10 U
4-Chloro-3-methylphenol	59-50-7	ug/l	1	NA	NA	NA	NA	NA	NA	NA	10 U
4-Chloroaniline	106-47-8	ug/l	5	NA	NA	NA	NA	NA	NA	NA	10 U
4-Chlorophenyl-phenylether	7005-72-3	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	10 U
4-Nitroaniline	100-01-6	ug/l	5	NA	NA	NA	NA	NA	NA	NA	10 U
4-Nitrophenol	100-02-7	ug/l	1	NA	NA	NA	NA	NA	NA	NA	10 UJ
Acenaphthene	83-32-9	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	0.3 U
Acenaphthylene	208-96-8	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	0.3 U
Acetophenone	98-86-2	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	10 U
Aniline	62-53-3	ug/l	5	NA	NA	NA	NA	NA	NA	NA	5 U
Anthracene	120-12-7	ug/l	50	NA	NA	NA	NA	NA	NA	NA	0.2 U
Benzo[a]anthracene	56-55-3	ug/l	0.002	NA	NA	NA	NA	NA	NA	NA	0.05 U
Benzo[a]pyrene	50-32-8	ug/l	0	NA	NA	NA	NA	NA	NA	NA	0.1 U
Benzo[b]fluoranthene	205-99-2	ug/l	0.002	NA	NA	NA	NA	NA	NA	NA	0.05 U
Benzo[g,h,i]perylene	191-24-2	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	0.5 U
Benzo[k]fluoranthene	207-08-9	ug/l	0.002	NA	NA	NA	NA	NA	NA	NA	0.2 U
Benzidine	92-87-5	ug/l	5	NA	NA	NA	NA	NA	NA	NA	R
Benzoic Acid	65-85-0	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	10 U
Bis(2-Chloroethoxy)methane	111-91-1	ug/l	5	NA	NA	NA	NA	NA	NA	NA	10 U
Bis(2-Chloroethyl)Ether	111-44-4	ug/l	1	NA	NA	NA	NA	NA	NA	NA	10 U
Bis(2-chloroisopropyl)ether	39638-32-9	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	10 U
Bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	5	NA	NA	NA	NA	NA	NA	NA	10 U
Butylbenzylphthalate	85-68-7	ug/l	50	NA	NA	NA	NA	NA	NA	NA	10 U
Carbazole	86-74-8	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	10 U
Chrysene	218-01-9	ug/l	0.002	NA	NA	NA	NA	NA	NA	NA	0.2 U
Dibenzo[a,h]Anthracene	53-70-3	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	0.2 U
Dibenzofuran	132-64-9	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	5 U
Diethylphthalate	84-66-2	ug/l	50	NA	NA	NA	NA	NA	NA	NA	10 U
Dimethylphthalate	131-11-3	ug/l	50	NA	NA	NA	NA	NA	NA	NA	10 U
Di-n-butylphthalate	84-74-2	ug/l	50	NA	NA	NA	NA	NA	NA	NA	10 U
Di-n-octylphthalate	117-84-0	ug/l	50	NA	NA	NA	NA	NA	NA	NA	10 U
Fluoranthene	206-44-0	ug/l	50	NA	NA	NA	NA	NA	NA	NA	**0.5 J**
Fluorene	86-73-7	ug/l	50	NA	NA	NA	NA	NA	NA	NA	1 U
Hexachlorocyclopentadiene	77-47-4	ug/l	5	NA	NA	NA	NA	NA	NA	NA	10 U
Hexachloroethane	67-72-1	ug/l	5	NA	NA	NA	NA	NA	NA	NA	10 U
Indeno[1,2,3-cd]pyrene	193-39-5	ug/l	0.002	NA	NA	NA	NA	NA	NA	NA	0.2 U
Isophorone	78-59-1	ug/l	50	NA	NA	NA	NA	NA	NA	NA	10 U
Nitrobenzene	98-95-3	ug/l	0.4	NA	NA	NA	NA	NA	NA	NA	10 U
N-Nitrosodimethylamine	62-75-9	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	5 U
N-Nitroso-Di-N-Propylamine	621-64-7	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	10 U
N-Nitrosodiphenylamine	86-30-6	ug/l	50	NA	NA	NA	NA	NA	NA	NA	10 U
Pentachloronitrobenzene	82-68-8	ug/l	0	NA	NA	NA	NA	NA	NA	NA	10 UJ
Pentachlorophenol	87-86-5	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	10 U
Phenanthrene	85-01-8	ug/l	50	NA	NA	NA	NA	NA	NA	NA	0.05 U
Phenol	108-95-2	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	10 U
Pyrene	129-00-0	ug/l	50	NA	NA	NA	NA	NA	NA	NA	**1 J**
Pyridine	110-86-1	ug/l	50	NA	NA	NA	NA	NA	NA	NA	5 U
1,4-Dioxane	123-91-1	ug/l	0.35*	0.20 U	1.0 U	**0.13 J**	**0.71**	**1.9**	**5.6**	**0.24**	NA

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]

Bold - indicates compound detected

* - Guidance value

NC - No criteria exists

NA - No Analyzed

U - Not Detected at the Detection Limit shown

UJ - The analyte was not detected. The reported quanitation limit is an estimate

J - Estimated Value

R - Rejected during validation

Table 5-5C
Shallow Bedrock Groundwater Analytical Data Summary - Inorganics
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW-1	MW-2	MW-3	MW12-01	MW12-02	MW12-02	MW12-03	MW12-04	MW12-05	MW12-06	TW12-02
			Sample ID:	MW-1	MW-2	MW-3	MW12-01	MW12-02	MW12-FD-1	MW12-03	MW12-04	MW12-05	MW12-06	TW12-02
			Sample Date:	12/6/2012	12/6/2012	12/6/2012	12/7/2012	12/6/2012	12/6/2012	12/5/2012	12/5/2012	12/7/2012	12/5/2012	12/6/2012
Chemical Name	CAS No.	Unit	NYS GW CLASS GA[1]											
Aluminum	7429-90-5	mg/l	NC	0.05 U	**0.22**	**0.45**	**9.8 J**	0.05 U	0.05 U	**0.13**	**0.051**	**2.5 J**	**0.2**	0.05 U
Antimony	7440-36-0	mg/l	0.003	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Arsenic	7440-38-2	mg/l	0.025	0.01 U	0.01 U	0.01 U	**0.15**	0.01 U	0.01 U	0.01 U	0.01 U	**0.012**	0.01 U	0.01 U
Barium	7440-39-3	mg/l	1	**0.05 J**	**0.05 J**	**0.05 J**	**0.28**	**0.05 J**	**0.05 J**	**0.05 J**	**0.05 J**	**0.18**	**0.05 J**	**0.12**
Beryllium	7440-41-7	mg/l	0.003	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	**0.004 J**	0.004 U	0.004 U
Cadmium	7440-43-9	mg/l	0.005	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U	0.004 U
Calcium	7440-70-2	mg/l	NC	**31**	**68**	**32**	**2100**	**100**	**100**	**110**	**57**	**350**	**99**	**68**
Chromium	7440-47-3	mg/l	0.05	0.01 U	0.01 U	0.01 U	**0.027**	0.01 U	0.01 U	0.01 U	0.01 U	**0.01 J**	0.01 U	0.01 U
Cobalt	7440-48-4	mg/l	NC	0.05 U	0.05 U	**0.05 J**	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Copper	7440-50-8	mg/l	0.2	0.01 U	0.01 U	**0.01**	**0.026**	0.01 U	0.01 U	0.01 U	0.01 U	**0.01 J**	0.01 U	0.01 U
Iron	7439-89-6	mg/l	0.3	**1.1**	**2.6**	**45**	**29**	**0.051**	0.05 U	**0.34**	**2.3**	**3.5**	**8.1**	**0.05 J**
Lead	7439-92-1	mg/l	0.025	0.01 U	0.01 U	**0.01 J**	0.01 U	**0.01 J**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Magnesium	7439-95-4	mg/l	35	**36**	**27**	**29**	**74**	**13**	**13**	**44**	**28**	**170**	**44**	**11**
Manganese	7439-96-5	mg/l	0.3	**0.082**	**0.051**	**0.19**	**1.1**	0.01 U	0.01 U	**0.01 J**	**0.053**	**0.085**	**0.19**	**0.01 J**
Mercury	7439-97-6	mg/l	0.0007	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Mercury	7439-97-6	ng/l	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	7439-98-7	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	7440-02-0	mg/l	0.1	0.01 U	**0.01 J**	**0.076**	**0.033**	0.01 U	0.01 U	**0.01 J**	**0.01 J**	**0.021**	**0.015**	0.01 U
Potassium	7440-09-7	mg/l	NC	**15**	**12**	**12**	**17**	**2.2**	**2 J**	**6.4**	**8.7**	**24**	**6.1**	**2 J**
Selenium	7782-49-2	mg/l	0.01	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Silver	7440-22-4	mg/l	0.05	0.005 U	0.005 U	0.005 U	**0.0077**	0.005 U	0.005 U	**0.0067 J**	0.005 U	0.005 U	0.005 UJ	0.005 U
Sodium	7440-23-5	mg/l	20	**630**	**200**	**230**	**140**	**22**	**22**	**73**	**49**	**110**	**45**	**10**
Thallium	7440-28-0	mg/l	0.0005 (G)	0.05 U	0.05 U	0.05 U	**0.05 J**	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Vanadium	7440-62-2	mg/l	NC	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Zinc	7440-66-6	mg/l	2	**0.02 J**	**0.02 J**	**0.02 J**	**0.045**	**0.02 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	**0.027**
Cyanide (Amenable)	57-12-5	mg/l	0.2	0.01 U	0.01 U	**0.01 J**	**0.091**	0.01 U	**0.01 J**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

Notes:
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]
Bold - indicates compound detected
NC - No criteria exists
NA - Not Analyzed
J - Estimated Value
U - Not Detected at the Detection Limit shown
(G) - Guidance value

Table 5-5D
Shallow Bedrock Groundwater Analytical Data Summary - Polychlorinated Biphenyls
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW-1	MW-2	MW-3	MW12-01	MW12-02	MW12-02	MW12-03	MW12-04	MW12-05	MW12-06	TW12-02
			Sample ID:	MW-1	MW-2	MW-3	MW12-01	MW12-02	MW12-FD-1	MW12-03	MW12-04	MW12-05	MW12-06	TW12-02
			Sample Date:	12/6/2012	12/6/2012	12/6/2012	12/7/2012	12/6/2012	12/6/2012	12/5/2012	12/5/2012	12/7/2012	12/5/2012	12/6/2012
Chemical Name	CAS No.	Unit	NYS GW CLASS GA[1]											
Aroclor 1268	11100-14-4	ug/l	0.09	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
Aroclor-1016	12674-11-2	ug/l	0.09	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
Aroclor-1221	11104-28-2	ug/l	0.09	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
Aroclor-1232	11141-16-5	ug/l	0.09	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
Aroclor-1242	53469-21-9	ug/l	0.09	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
Aroclor-1248	12672-29-6	ug/l	0.09	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
Aroclor-1254	11097-69-1	ug/l	0.09	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
Aroclor-1260	11096-82-5	ug/l	0.09	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
Aroclor-1262	37324-23-5	ug/l	0.09	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
Total PCBs	NA	ug/l	0.09	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Bold - indicates compound detected
NC - No Criteria Exists
U - Not Detected at the Detection Limit shown
ND - Not Detected

Table 5-5E
Shallow Bedrock Groundwater Analytical Data Summary - Pesticides
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW-1	MW-2	MW-3	MW12-01	MW12-02	MW12-02	MW12-03	MW12-04
			Sample ID:	MW-1	MW-2	MW-3	MW12-01	MW12-02	MW12-FD-1	MW12-03	MW12-04
			Sample Date:	12/6/2012	12/6/2012	12/6/2012	12/7/2012	12/6/2012	12/6/2012	12/5/2012	12/5/2012
Chemical Name	CAS No.	Unit	NYS GW CLASS GA[1]								
4-4-DDD	72-54-8	ug/l	0.3	0.004 U	0.004 U	0.004 U	0.004 UJ	0.004 U	0.004 U	0.004 U	0.004 U
4-4-DDE	72-55-9	ug/l	0.2	0.004 U	0.004 U	0.004 U	0.004 UJ	0.004 U	0.004 U	0.004 U	0.004 U
4-4-DDT	50-29-3	ug/l	0.2	0.004 UJ	0.004 UJ	0.004 UJ	0.004 UJ	0.004 UJ	0.004 UJ	0.004 UJ	0.004 UJ
a-BHC	319-84-6	ug/l	0.01	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U
Alachlor	15972-60-8	ug/l	0.5	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U
Aldrin	309-00-2	ug/l	0	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U
b-BHC	319-85-7	ug/l	0.04	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U
Chlordane	57-74-9	ug/l	0.05	0.02 U	0.02 U	0.02 U	0.02 UJ	0.02 U	0.02 U	0.02 U	0.02 U
d-BHC	319-86-8	ug/l	0.04	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U
Dieldrin	60-57-1	ug/l	0.004	0.0002 U	0.0002 U	0.0002 U	0.0002 UJ	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Endosulfan I	959-98-8	ug/l	NC	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U
Endosulfan II	33213-65-9	ug/l	NC	0.008 U	0.008 U	0.008 U	0.008 UJ	0.008 U	0.008 U	0.008 U	0.008 U
Endosulfan Sulfate	1031-07-8	ug/l	NC	0.008 U	0.008 U	0.008 U	0.008 UJ	0.008 U	0.008 U	0.008 U	0.008 U
Endrin	72-20-8	ug/l	0	0.008 UJ	0.008 UJ	0.008 UJ	0.008 UJ	0.008 UJ	0.008 UJ	0.008 UJ	0.008 UJ
Endrin Aldehyde	7421-93-4	ug/l	5	0.008 U	0.008 U	0.008 U	0.008 UJ	0.008 U	0.008 U	0.008 U	0.008 U
Endrin Ketone	53494-70-5	ug/l	5	0.008 U	0.008 U	0.008 U	0.008 UJ	0.008 U	0.008 U	0.008 U	0.008 U
Heptachlor	76-44-8	ug/l	0.04	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U
Heptachlor Epoxide	1024-57-3	ug/l	0.03	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U
Hexachlorobenzene	118-74-1	ug/l	0.04	0.005 U	0.005 U	0.005 U	0.005 UJ	0.005 U	0.005 U	0.005 U	0.005 U
Lindane	58-89-9	ug/l	0.05	0.003 U	0.003 U	0.003 U	0.003 UJ	0.003 U	0.003 U	0.003 U	0.003 U
Methoxychlor	72-43-5	ug/l	35	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U
Toxaphene	8001-35-2	ug/l	0.06	0.051 U	0.051 U	0.051 U	0.051 UJ	0.051 U	0.051 U	0.051 U	0.051 U

Notes:
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Bold - indicates compound detected
NC - No criteria exists, NA - Not Analyzed
U - Not Detected at the Detection Limit shown, J - Estimated value
UJ - The analyte was not detected. The reported quantitation limit is an estimate

Table 5-5E
Shallow Bedrock Groundwater Analytical Data Summary - Pesticides
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW12-05	MW12-06	TW12-02
			Sample ID:	MW12-05	MW12-06	TW12-02
			Sample Date:	12/7/2012	12/5/2012	12/6/2012
Chemical Name	CAS No.	Unit	NYS GW CLASS GA[1]			
4-4-DDD	72-54-8	ug/l	0.3	0.004 UJ	0.004 U	0.004 U
4-4-DDE	72-55-9	ug/l	0.2	0.004 UJ	0.004 U	0.004 U
4-4-DDT	50-29-3	ug/l	0.2	0.004 UJ	0.004 UJ	0.004 UJ
a-BHC	319-84-6	ug/l	0.01	0.005 UJ	0.005 U	0.005 U
Alachlor	15972-60-8	ug/l	0.5	0.02 UJ	0.02 U	0.02 U
Aldrin	309-00-2	ug/l	0	0.005 UJ	0.005 U	0.005 U
b-BHC	319-85-7	ug/l	0.04	0.005 UJ	0.005 U	0.005 U
Chlordane	57-74-9	ug/l	0.05	0.02 UJ	0.02 U	0.02 U
d-BHC	319-86-8	ug/l	0.04	0.005 UJ	0.005 U	0.005 U
Dieldrin	60-57-1	ug/l	0.004	0.0002 UJ	0.0002 U	0.0002 U
Endosulfan I	959-98-8	ug/l	NC	0.005 UJ	0.005 U	0.005 U
Endosulfan II	33213-65-9	ug/l	NC	0.008 UJ	0.008 U	0.008 U
Endosulfan Sulfate	1031-07-8	ug/l	NC	0.008 UJ	0.008 U	0.008 U
Endrin	72-20-8	ug/l	0	0.008 UJ	0.008 UJ	0.008 UJ
Endrin Aldehyde	7421-93-4	ug/l	5	0.008 UJ	0.008 U	0.008 U
Endrin Ketone	53494-70-5	ug/l	5	0.008 UJ	0.008 U	0.008 U
Heptachlor	76-44-8	ug/l	0.04	0.005 UJ	0.005 U	0.005 U
Heptachlor Epoxide	1024-57-3	ug/l	0.03	0.005 UJ	0.005 U	0.005 U
Hexachlorobenzene	118-74-1	ug/l	0.04	0.005 UJ	0.005 U	0.005 U
Lindane	58-89-9	ug/l	0.05	0.003 UJ	0.003 U	0.003 U
Methoxychlor	72-43-5	ug/l	35	0.05 UJ	0.05 U	0.05 U
Toxaphene	8001-35-2	ug/l	0.06	0.051 UJ	0.051 U	0.051 U

Notes:
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Bold - indicates compound detected
NC - No criteria exists, NA - Not Analyzed
U - Not Detected at the Detection Limit shown, J - Estimated value
UJ - The analyte was not detected. The reported quantitation limit is an estimate

Table 5-5F
Shallow Bedrock Groundwater Analytical Data Summary - Per and Polyfluoroalkyl Substances
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW12-01	MW12-02	MW12-02	MW12-11
			Sample ID:	MW12-01-072319	MW12-02-072319	X1-072319	MW12-11-072319
			Sample Date:	7/23/2019	7/23/2019	7/23/2019	7/23/2019
Chemical Name	CAS No.	Unit	NYS GW CLASS GA[1]				
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	39108-34-4	ng/l	NC	16 U	85 U	16 U	81 U
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	27619-97-2	ng/l	NC	16 U	85 U	16 U	81 U
2-(N-methylperfluorooctanesulfonamido)acetic acid (NMeFOSAA)	2355-31-9	ng/l	NC	16 U	85 U	16 U	81 U
2-(N-Ethylperfluorooctanesulfonamido)acetic acid (NEtFOSAA)	2991-50-6	ng/l	NC	16 U	85 U	16 U	81 U
Perfluorobutanesulfonic acid (PFBS)	375-73-5	ng/l	NC	**1.2 J**	8.5 U	**0.43 J**	8.1 U
Perfluorobutanoic acid (PFBA)	375-22-4	ng/l	NC	**2.2**	8.5 U	**3.7**	8.1 U
Perfluorodecanesulfonic acid (PFDS)	335-77-3	ng/l	NC	1.6 U	8.5 U	1.6 U	8.1 U
Perfluorodecanoic acid (PFDA)	335-76-2	ng/l	NC	1.6 U	8.5 U	1.6 U	8.1 U
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/l	NC	1.6 U	8.5 U	1.6 U	8.1 U
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	ng/l	NC	1.6 U	8.5 U	1.6 U	8.1 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/l	NC	1.6 U	8.5 U	**1.2 J**	8.1 U
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	ng/l	NC	1.6 U	8.5 U	1.6 U	8.1 U
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/l	NC	**0.79 J**	8.5 U	**1.8**	8.1 U
Perfluorononanoic acid (PFNA)	375-95-1	ng/l	NC	1.6 U	8.5 U	**0.48 J**	8.1 U
Perfluorooctane sulfonamide (FOSA)	754-91-6	ng/l	NC	7.9 U	43 U	8.2 U	40 U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ng/l	2.7	**0.59 JH**	**3.1 JH**	**2.1 JH**	**4.8 J**
Perfluorooctanoic acid (PFOA)	335-67-1	ng/l	6.7	**0.51 J**	8.5 U	**2.0**	**3.3 J**
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/l	NC	1.6 U	**3.6 J**	**2.5**	8.1 U
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/l	NC	1.6 U	8.5 U	1.6 U	8.1 U
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	ng/l	NC	1.6 U	8.5 U	1.6 U	8.1 U
Perfluoroundecanoic acid (PFUnA)	2058-94-8	ng/l	NC	1.6 U	8.5 U	1.6 U	8.1 U

Notes:
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]
Bold - indicates compound detected
NC - No criteria exists
U - Not Detected at the Detection Limit shown
J - Estiamted Value
H - Indicates biased high

Table 5-6
Summary Statistics for Constituents Detected in Deeper Bedrock Groundwater
Former Bomax Manufacturing
Site No. 623009
Watertown, New York

Detected Constituent	Detected Concentration Range	Geomean Detected Concentration	Frequency of Detections	Frequency of Detections Above TOGS 1.1.1 Class GA Standards/Guidance
VOCs (ug/L)				
1,1,1-Trichloroethane	1.4 - 1300	97.8	7 / 14	6 / 14
Ethane, 1,1,2-trichloro-1,2,2-trifluoro	9.1 J - 11	10.0	2 / 14	2 / 14
1,1-Dichloroethane	1.1 - 500	62.0	7 / 14	6 / 14
1,1-Dichloroethene	1.3 - 68	7.0	6 / 14	3 / 14
Acetone	3.2 J - 530	31.3	9 / 14	2 / 14
Benzene	0.56 J - 5.3	2.0	4 / 14	3 / 14
Carbon disulfide	ND - 0.44 J	0.44	1 / 14	0 / 14
Chloroethane	2.7 - 19	5.8	3 / 14	1 / 14
Chloroform	ND - 0.59 J	0.59	1 / 14	0 / 14
Methyl ethyl ketone	4.4 J - 79	15.3	5 / 14	1 / 14
Methylcyclohexane	0.23 J - 0.36 J	0.29	2 / 14	0 / 14
Tert-butyl methyl ether	2.4 J - 10 J	5.1	6 / 14	0 / 14
Toluene	2.3 J - 5.7	3.60	4 / 14	1 / 14
Trichloroethene	ND - 0.51 J	0.51	1 / 14	0 / 14
SVOCs (ug/L)				
1,4-Dioxane	4.2 - 67	12.5	5 / 6	5 / 6

Notes: ug/Kg - micrograms per kilogram
ug/L - micrograms per liter
J - estimated concentration

Table 5-6A
Deeper Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW12-21	MW12-21	MW12-21	MW12-22	MW12-23	MW12-24	MW12-24	MW12-24	MW12-25	MW12-25	MW12-25	MW12-26	MW12-26	MW12-26
			Sample ID:	MW12-21_031219	MW12-21-072519	MW12-21-111821	MW12-22_031419	MW12-23_031419	MW12-24_031419	MW12-24-072519	MW12-24-111621	MW12-25_031419	MW12-25-072519	MW12-25-111821	MW12-26_031419	MW12-26-072519	MW12-26-111721
			Sample Date:	3/14/2019	7/25/2019	11/18/2021	3/14/2019	3/14/2019	3/14/2019	7/25/2019	11/16/2021	3/14/2019	7/25/2019	11/18/2021	3/14/2019	7/25/2019	11/17/2021
			Water-Bearing Zone:	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock
			Location:	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	Off-Site	Off-Site	Off-Site	On-Site	On-Site	On-Site
	CAS No.	Unit	NYS GW CLASS GA[1]														
1,1,1,2-tetrachloroethane	630-20-6	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-trichloroethane	71-55-6	ug/l	5	**46**	**38**	**36**	1.0 U	1.0 U	**1300**	**1100**	**680**	1.0 U	1.0 U	**1.4**	4.0 U	4.0 U	1.0 U
1,1,2,2-tetrachloroethane	79-34-5	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	**9.1 J**	**11**	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
1,1,2-trichloroethane	79-00-5	ug/l	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
1,1-dichloroethane	75-34-3	ug/l	5	**30**	**37**	**57**	1.0 U	1.0 U	**500**	**460**	**220**	1.0 U	1.0 U	**1.1**	4.0 U	4.0 U	1.0 U
1,1-dichloroethene	75-35-4	ug/l	5	**1.3**	**2.7**	**1.7**	1.0 U	1.0 U	**24**	**68**	**11**	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
1,1-dichloropropene	563-58-6	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-trichlorobenzene	87-61-6	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3-trichloropropane	96-18-4	ug/l	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-trichlorobenzene	120-82-1	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
1,2,4-trimethylbenzene	95-63-6	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-dibromo-3-chloropropane	96-12-8	ug/l	0.04	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
1,2-dibromoethane (ethylene dibromide)	106-93-4	ug/l	0.0006	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
1,2-dichlorobenzene	95-50-1	ug/l	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
1,2-dichloroethane	107-06-2	ug/l	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
1,2-dichloropropane	78-87-5	ug/l	1	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	4.0 U	1.0 U
1,3,5- trichlorobenzene	108-70-3	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-trimethylbenzene	108-67-8	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-dichlorobenzene	541-73-1	ug/l	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
1,3-dichloropropane	142-28-9	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-dichlorobenzene	106-46-7	ug/l	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
1,4-dioxane (p-dioxane)	123-91-1	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-dichloropropane	594-20-7	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-hexanone	591-78-6	ug/l	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	100 U	100 U	20 U	5.0 U	5.0 U	5.0 U	20 U	20 U	5.0 U
4-isopropyltoluene	99-87-6	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	67-64-1	ug/l	50	**3.2 J**	10 U	10 U	**50**	**16**	200 U	200 U	40 U	**9.9 J**	**8.4 J**	**6.6 J**	**360**	**530**	**34**
Acrylonitrile	107-13-1	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	71-43-2	ug/l	1	1.0 U	1.0 U	1.0 U	**2.9**	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	**5.3**	**3.9 J**	**0.56 J**
Bromobenzene	108-86-1	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	74-97-5	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	75-27-4	ug/l	50	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 UJ	4.0 U	4.0 U	1.0 U
Bromoform	75-25-2	ug/l	50	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	20 U	20 U	4.0 UJ	1.0 U	1.0 U	1.0 UJ	4.0 U	4.0 U	1.0 UJ
Bromomethane	74-83-9	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Carbon disulfide	75-15-0	ug/l	60	1.0 U	1.0 U	1.0 UJ	1.0 U	**0.23 J**	20 U	20 U	4.0 UJ	**0.44 J**	**0.77 J**	1.0 UJ	4.0 U	4.0 U	1.0 UJ
Carbon tetrachloride	56-23-5	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Chlorobenzene	108-90-7	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Chloroethane	75-00-3	ug/l	5	**2.7**	**3.9**	**19 JH**	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 UT	4.0 U	4.0 U	1.0 U
Chloroform	67-66-3	ug/l	7	1.0 U	1.0 U	1.0 U	**0.59 J**	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Chloromethane	74-87-3	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Cis-1,2-dichloroethylene	156-59-2	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Cis-1,3-dichloropropene	10061-01-5	ug/l	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Cyclohexane	110-82-7	ug/l	NC	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Dibromochloromethane	124-48-1	ug/l	50	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	20 U	20 U	4.0 UJ	1.0 U	1.0 U	1.0 UJ	4.0 U	4.0 U	1.0 UJ
Dibromomethane	74-95-3	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	75-71-8	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Diisopropyl ether	108-20-3	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl ether	60-29-7	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Hexachlorobutadiene	87-68-3	ug/l	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene (cumene)	98-82-8	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
M and p xylenes	179601-23-1	ug/l	NC	NA	2.0 U	NA	NA	NA	NA	40 U	NA	NA	2.0 U	NA	NA	8.0 U	NA
Methyl acetate	79-20-9	ug/l	NC	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	50 U	50 U	10 U	2.5 U	2.5 U	2.5 U	10 U	10 U	2.5 U
Methyl ethyl ketone (2-butanone)	78-93-3	ug/l	50	10 U	10 U	10 U	**6.3 J**	10 U	200 U	200 U	40 U	10 U	**4.4 J**	10 U	**44**	**79**	**8.6 J**
Methyl isobutyl ketone (4-methyl-2-pentanone)	108-10-1	ug/l	NC	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	100 U	100 U	20 U	5.0 U	5.0 U	5.0 U	20 U	20 U	5.0 U
Methylcyclohexane	108-87-2	ug/l	NC	1.0 U	1.0 U	1.0 U	**0.36 J**	**0.23 J**	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Methylene chloride	75-09-2	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Naphthalene	91-20-3	ug/l	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-butylbenzene	104-51-8	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-propylbenzene	103-65-1	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-chlorotoluene	95-49-8	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O-xylene (1,2-dimethylbenzene)	95-47-6	ug/l	5	NA	1.0 U	NA	NA	NA	NA	20 U	NA	NA	1.0 U	NA	NA	4.0 U	NA
P-chlorotoluene	106-43-4	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5-6A
Deeper Bedrock Groundwater Analytical Data Summary - Volatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW12-21	MW12-21	MW12-21	MW12-22	MW12-23	MW12-24	MW12-24	MW12-24	MW12-25	MW12-25	MW12-25	MW12-26	MW12-26	MW12-26
			Sample ID:	MW12-21_031219	MW12-21-072519	MW12-21-111821	MW12-22_031419	MW12-23_031419	MW12-24_031419	MW12-24-072519	MW12-24-111621	MW12-25_031419	MW12-25-072519	MW12-25-111821	MW12-26_031419	MW12-26-072519	MW12-26-111721
			Sample Date:	3/14/2019	7/25/2019	11/18/2021	3/14/2019	3/14/2019	3/14/2019	7/25/2019	11/16/2021	3/14/2019	7/25/2019	11/18/2021	3/14/2019	7/25/2019	11/17/2021
			Water-Bearing Zone:	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock	Deeper Bedrock
			Location:	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	On-Site	Off-Site	Off-Site	Off-Site	On-Site	On-Site	On-Site
	CAS No.	Unit	NYS GW CLASS GA[1]														
Sec-butylbenzene	135-98-8	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Styrene	100-42-5	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
T-butyl alcohol	75-65-0	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tert-amyl methyl ether	994-05-8	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tert-butyl ethyl ether	637-92-3	ug/l	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tert-butyl methyl ether	1634-04-4	ug/l	10	**3.9**	**4.7**	**4.6**	1.0 U	1.0 U	**10 J**	**9.0 J**	**2.4 J**	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Tert-butylbenzene	98-06-6	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethylene(pce)	127-18-4	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Tetrahydrofuran	109-99-9	ug/l	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	108-88-3	ug/l	5	1.0 U	1.0 U	1.0 U	**4.3**	**3.0**	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	**5.7**	**2.3 J**	1.0 U
Trans-1,2-dichloroethene	156-60-5	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Trans-1,3-dichloropropene	10061-02-6	ug/l	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Trans-1,4-dichlorobutene	110-57-6	ug/l	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethylene (tce)	79-01-6	ug/l	5	1.0 U	1.0 U	1.0 U	**0.51 J**	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Trichlorofluoromethane	75-69-4	ug/l	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Vinyl chloride	75-01-4	ug/l	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20 U	20 U	4.0 U	1.0 U	1.0 U	1.0 U	4.0 U	4.0 U	1.0 U
Xylenes (total)	1330-20-7	ug/l	5	2.0 U	NA	2.0 U	2.0 U	2.0 U	40 U	NA	8.0 U	2.0 U	NA	2.0 U	8.0 U	NA	2.0 U

Notes:

[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.

Highlighting - Exceeds GW CLASS GA[1]

Bold - indicates compound detected

NA - Not Analyzed

NC - No criteria exists

U - Not Detected at the Detection Limit showne

J - Estimated value

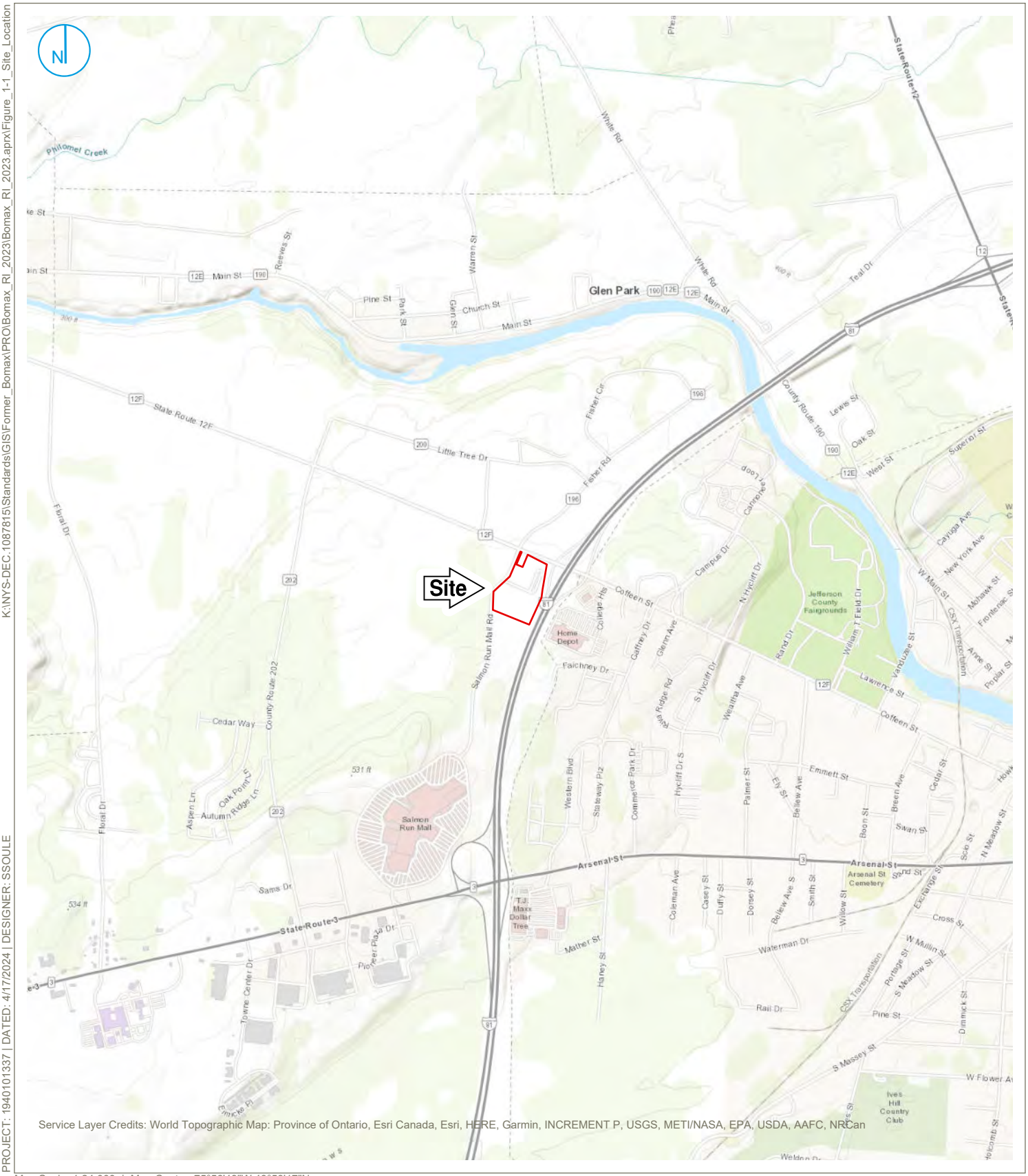
R - Rejected during validation

Table 5-6B
Deeper Bedrock Groundwater Analytical Data - Semivolatile Organic Compounds
Former Bomax Manufacturing Site
Site No. 623009
Town of Watertown, New York

			Location ID:	MW12-21	MW12-21	MW12-24	MW12-25	MW12-25	MW12-26
			Sample ID:	MW12-21-072519	MW12-21-111821	MW12-24-111621	MW12-25-072519	MW12-25-111821	MW12-26-111721
			Sample Date:	7/25/2019	11/18/2021	11/16/2021	7/25/2019	11/18/2021	11/17/2021
Chemical Name	CAS No.	Unit	NYS GW CLASS GA[1]						
1,4-Dioxane	123-91-1	ug/l	0.35	**8.7 E**	**9.7**	**67**	**13 E**	**4.2**	0.20 U

Notes:
[1] New York State Department of Environmental Conservation, Technical and Operational Guidance Series (1.1.1), Class GA Standards and Guidance Values, Revised June 1998.
Highlighting - Exceeds GW CLASS GA[1]
Bold - indicates compound detected
NC - No criteria exists, NA - Not Analyzed
U - Not Detected at the Detection Limit shown, J - Estimated value
R - Rejected during validation

FIGURES



Service Layer Credits: World Topographic Map: Province of Ontario, Esri Canada, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA, AAFC, NRCan

Map Scale: 1:24,000 | Map Center: 75°56'49"W 43°59'17"N

PROJECT: 1940101337 | DATED: 4/17/2024 | DESIGNER: SSOULE

K:\NYS-DEC.1087815\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023\Bomax_RI_2023.aprx\Figure_1-1_Site_Location



KEY MAP (not to scale)

0 1,000 2,000 Feet

SITE LOCATION

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 1-1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL



MANHOLE
CLEANOUT
8" DIAMETER BURIED CEMENT PIPE (SUSPECT ACM)
PROPERTY / OU-1 BOUNDARY
PROPERTY / OU-3 BOUNDARY
SEPTIC TANK
SEPTIC SYSTEM LEACHFIELD CONTAINING ACM PIPING
FORMER WASTEWATER TANK
FORMER EXCAVATION AREA
FORMER MANUFACTURING BUILDING

0 60 120 Feet

OPERABLE UNITS AND AREAS OF CONCERN

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 1-2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Former_Bomax\PRO\Bomax_R1_2023\Bomax_R1_2023.aprx\Figure_1-2_OUs-AOCs
PROJECT: 1940101337 | DATED: 4/17/2024 | DESIGNER: SSOULE

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POTENTIAL PRIVATE SUPPLY WELL[1]
HALF-MILE BUFFER
SITE PROPERTY BOUNDARY

[1]Compiled from New York State Parcel Centroids 2023. https://data.gis.ny.gov/datasets/54bf2a4e4bf24f2eb6ceab77b367cdd2_28/about

0 500 1,000 Feet

POTENTIAL PRIVATE SUPPLY WELLS
WITHIN A HALF-MILE

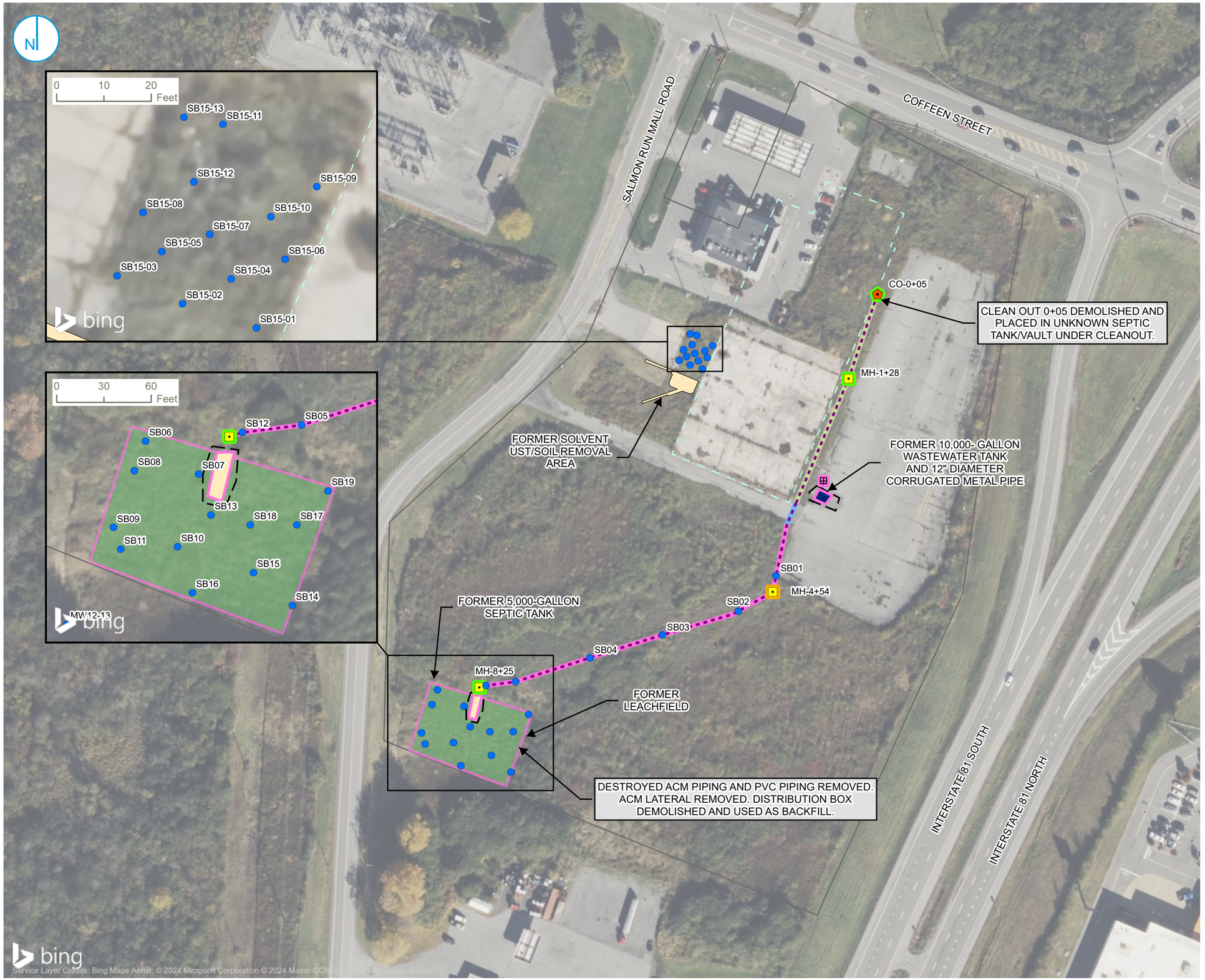
NYSDEC Site #623009
Former Bomax manufacturing Site
Town of Watertown, New York

FIGURE 2-1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1690000XXXX | DATED: 7/19/2024 | DESIGNER: STANTOSA



PRE CHARACTERIZATION SOIL BORINGS

DEMOLISHED AND USED FOR BACKFILL

- MANHOLE
- CLEANOUT

REMOVED AND DISPOSED OFF-SITE

- 2' x 2' x '2 CONCRETE VAULT
- 8" DIAMETER BURIED CEMENT PIPE (SUSPECT ACM)
- SEPTIC TANK
- WASTEWATER TANK
- SEPTIC SYSTEM LEACHFIELD CONTAINING ACM PIPING
- EXCAVATION AREA

STRUCTURE FILLED IN PLACE

- MANHOLE

PIPING NOT REMOVED OR DEMOLISHED

- SDR PIPING, NOT ACM. REMAINED IN PLACE
- ACM PIPE CASED IN CONCRETE

HISTORIC REMEDIAL ACTIONS

- FORMER 500-GALLON SOLVENT UST/SOIL REMOVAL AREA
- FORMER MANUFACTURING BUILDING

NOTES

- ACM GASKETS AND PIPING REMOVED FROM MANHOLES PRIOR TO DEMOLITION.
- SELECT PIPE SEGMENTS, MANHOLE, CLEANOUT, AND VALVE LOCATIONS ARE APPROXIMATE.

0 60 120 Feet

COMPLETED IRMs AND DOCUMENTATION SAMPLES

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 2-2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

C:\Users\SSOULE\OneDrive - Ramboll\Desktop\Projects\NYSDEC\NYSDEC_Former_Bomax\PROI\Bomax_RI_2023\Bomax_RI_2023.aprx\Figure_2-1-Completed_IRMs
PROJECT: 1940101337 | DATED: 4/17/2024 | DESIGNER: SSOULE

K:\NYS-DEC.108781S\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023\Bomax_RI_2023.aprx\Figure_3-1_RI_Sample_Locs



- BEDROCK MONITORING WELL
- SOIL BORING / TEMPORARY MONITORING WELL
- SOIL BORING
- PROPERTY / OU-1 BOUNDARY
- FORMER MANUFACTURING BUILDING

0 70 140 Feet

REMEDIAL INVESTIGATION SAMPLE LOCATIONS

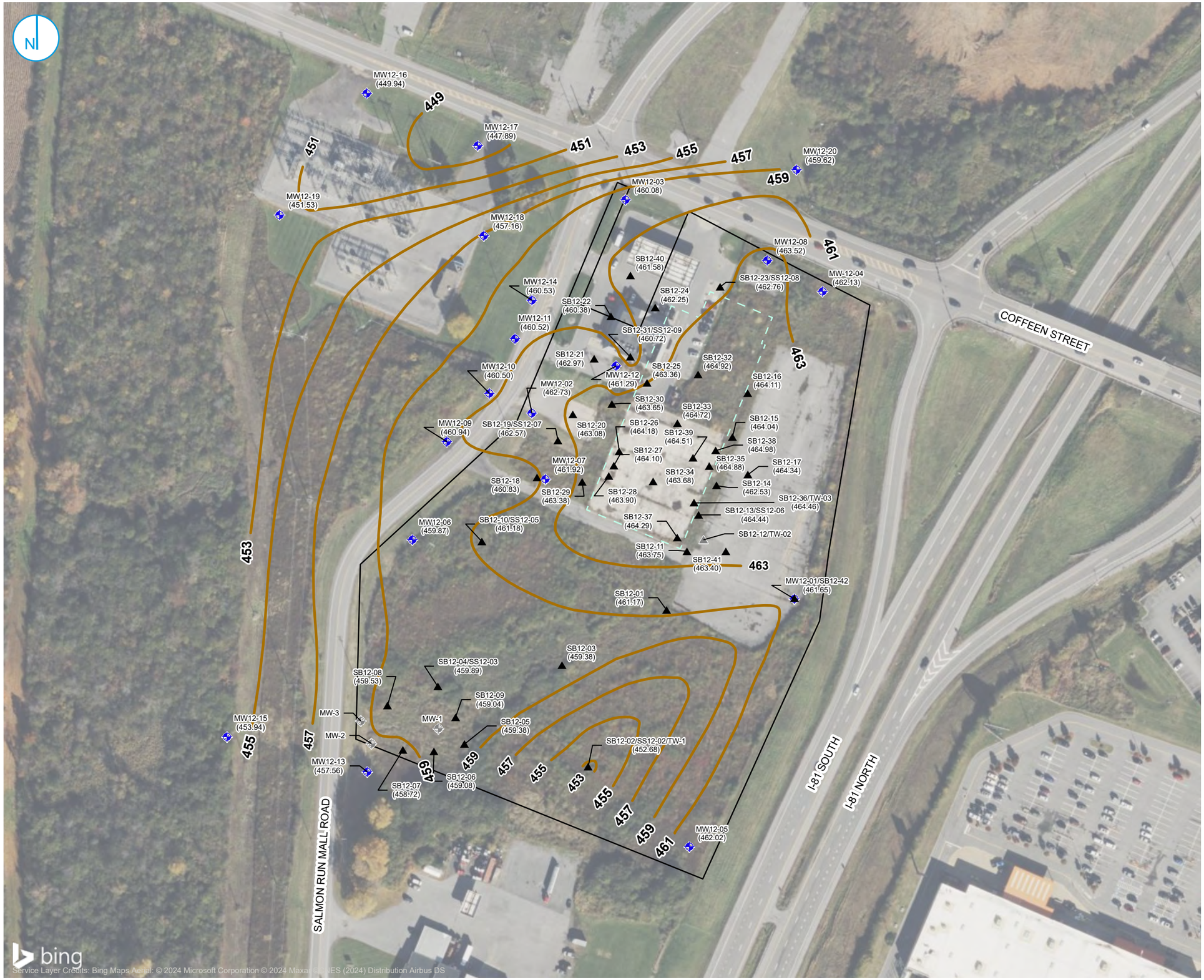
NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 3-1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1940101337 | DATED: 4/17/2024 | DESIGNER: SSOULE



SOIL BORING

BEDROCK MONITORING WELL

TOP OF BEDROCK ELEVATION CONTOUR

PROPERTY / OU-1 BOUNDARY

FORMER MANUFACTURING BUILDING

0 75 150 Feet

TOP OF BEDROCK ELEVATION CONTOURS

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 4-1

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1940101337 | DATED: 4/17/2024 | DESIGNER: SSOULE
C:\Users\SSOULE\OneDrive - Ramboll\Desktop\Projects\NYSDEC\NYSDEC_Former_Bomax\PRO\Bomax_RI_2023\Bomax_RI_2023.aprx\Figure_4-1_Bedrock_Contours



BEDROCK MONITORING WELL
POTENTIOMETRIC CONTOUR
FORMER MANUFACTURING BUILDING

0 60 120
Feet

SHALLOW BEDROCK GROUNDWATER POTENTIOMETRIC CONTOURS
MARCH 2019

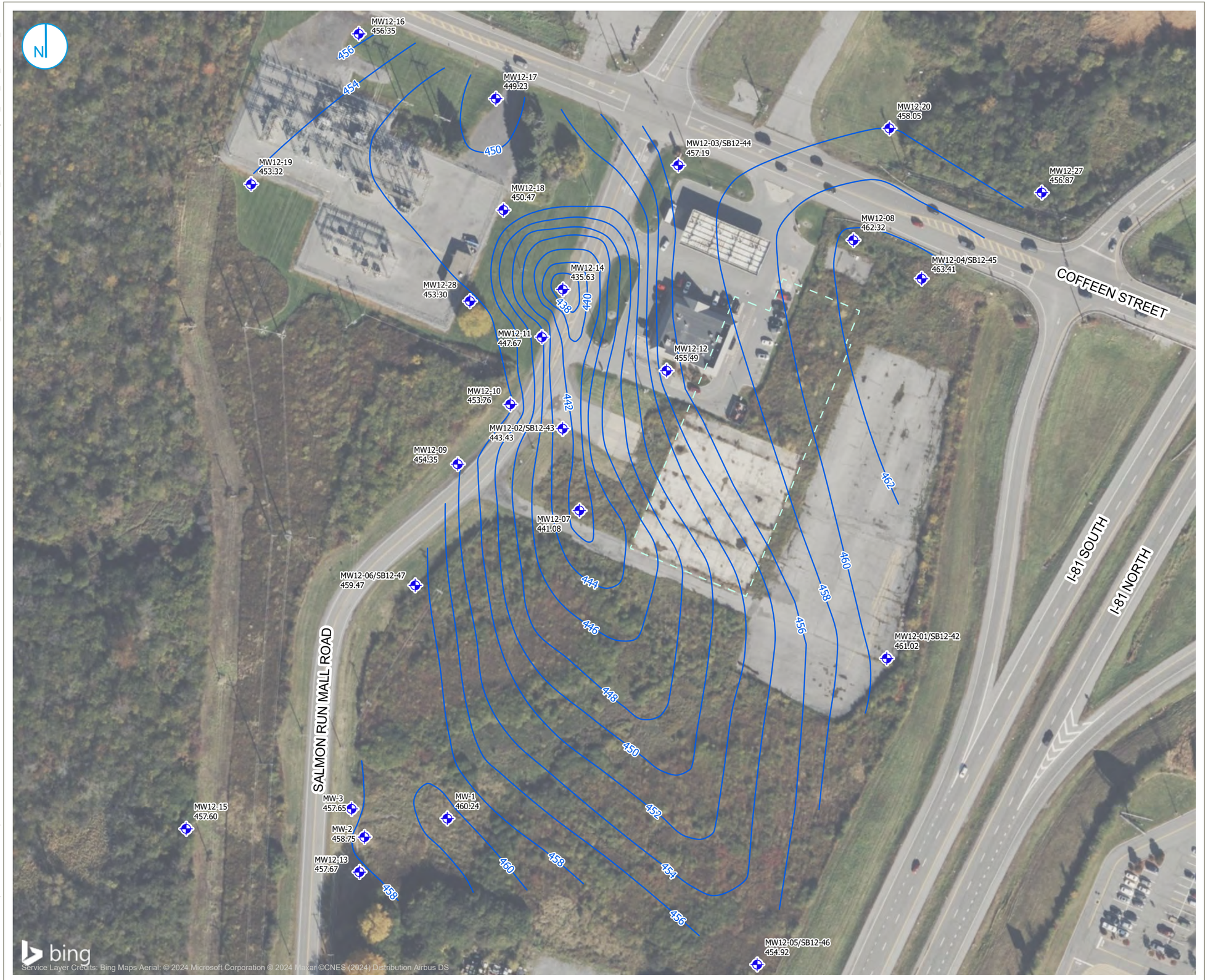
NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 4-2

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023Bomax_RI_2023.aprx\Figure_4-2X_GW_Contours_NovDBR
PROJECT: 1940101337 | DATED: 4/17/2024 | DESIGNER: SSOULE



BEDROCK MONITORING WELL
POTENTIOMETRIC CONTOUR
FORMER MANUFACTURING BUILDING

0 60 120
Feet

SHALLOW BEDROCK GROUNDWATER POTENTIOMETRIC CONTOURS
JULY 2019

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 4-3

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023Bomax_RI_2023.aprx\Figure_4-2X_GW_Contours_NovDBR
PROJECT: 1940101337 | DATED: 4/17/2024 | DESIGNER: SSOULE



BEDROCK MONITORING WELL
POTENTIOMETRIC CONTOUR
FORMER MANUFACTURING BUILDING

0 60 120
Feet

SHALLOW BEDROCK GROUNDWATER POTENTIOMETRIC CONTOURS
NOVEMBER 2021

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 4-4

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023Bomax_RI_2023.aprx\Figure_4-2X_GW_Contours_NovDBR

PROJECT: 1940101337 | DATED: 4/17/2024 | DESIGNER: SSOULE

K:\NYS-DEC.1087815\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023\Bomax_RI_2023.aprx\Figure_4-2X_GW_Contours_MarchDBR
PROJECT: 1940101337 | DATED: 4/17/2024 | DESIGNER: SSOULE



BEDROCK MONITORING WELL
POTENTIOMETRIC CONTOUR
FORMER MANUFACTURING BUILDING

0 60 120
Feet

DEEPER BEDROCK GROUNDWATER POTENTIOMETRIC CONTOURS
MARCH 2019

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 4-5

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY



BEDROCK MONITORING WELL
POTENTIOMETRIC CONTOUR
FORMER MANUFACTURING BUILDING

0 60 120
Feet

DEEPER BEDROCK GROUNDWATER POTENTIOMETRIC CONTOURS
JULY 2019

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 4-6

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023Bomax_RI_2023.aprx\Figure_4-2X_GW_Contours_July\DBR
PROJECT: 1940101337 | DATED: 4/17/2024 | DESIGNER: SSOULE



BEDROCK MONITORING WELL
POTENTIOMETRIC CONTOUR
FORMER MANUFACTURING BUILDING

0 60 120
Feet

DEEPER BEDROCK GROUNDWATER POTENTIOMETRIC CONTOURS
NOVEMBER 2021

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

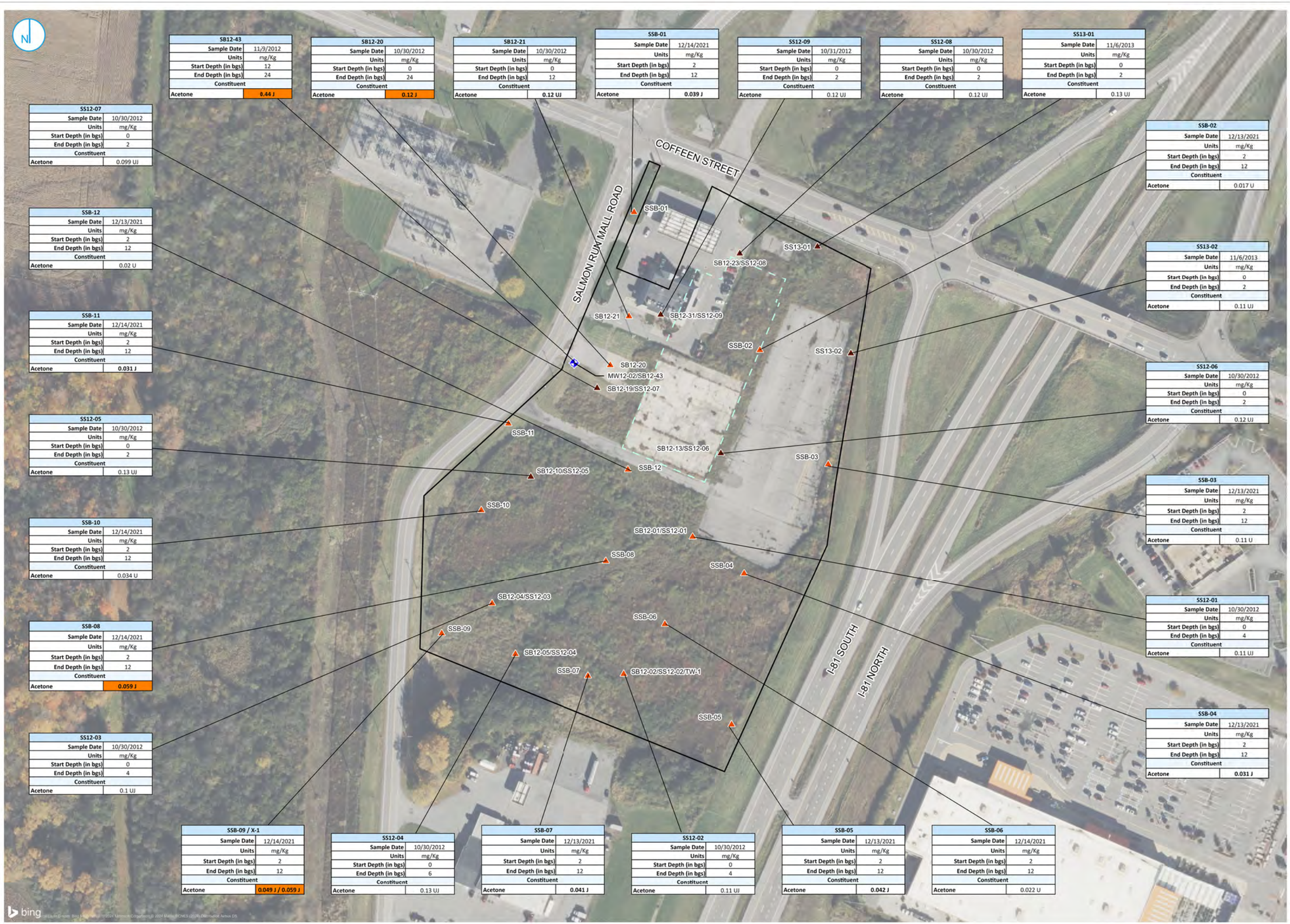
FIGURE 4-7

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC.1087815\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023Bomax_RI_2023.aprx\Figure_4-2X_GW_Contours_NovDBR

PROJECT: 1940101337 | DATED: 4/17/2024 | DESIGNER: SSOULE



SURFACE SOIL
NEAR-SURFACE SOIL
BEDROCK MONITORING WELL
PROPERTY / OU-1 BOUNDARY
FORMER MANUFACTURING BUILDING

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds CP-51 Supplemental Residential SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

Notes
- U - Compound was not detected at or above the detection limit.
- J - Detected concentration is at or above the detection limit but below the reporting limit and is an estimated value.

-[1]6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
-[2]6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006.
-[3]6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006.
-[4]6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006.
-[5]6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006.
-[6]6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006.
-[cp]= CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

0 40 80 Feet

VOCS EXCEEDING SCOS IN SURFACE AND NEAR-SURFACE SOIL

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 5-1A

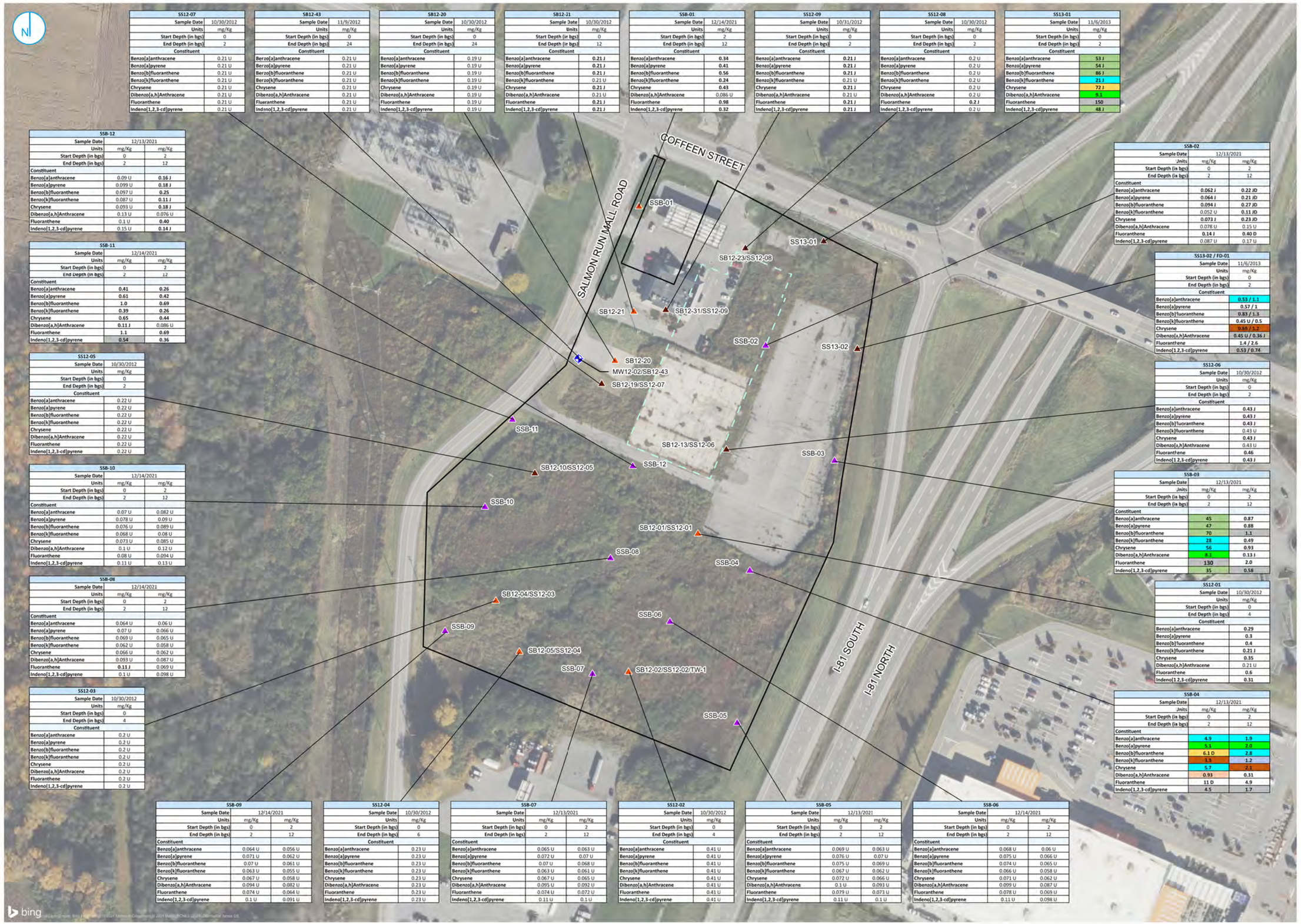
RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

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K:\NYS.DEC.1987815\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023.aprx\Figure_5-1A_VOC_Exceed
PROJECT: 194019137 | DATED: 4/17/2024 | DESIGNER: SSCOULE

K:\NYS-DEC \ 1087815\Standards\GIS\Former_Bornox\MXD\Bornox_RI_2023.aprx\Figure_5-1B_SVOC_Exceed



SS12-07	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	2
Constituent	
Benzo[a]anthracene	0.21 U
Benzo[a]pyrene	0.21 U
Benzo[b]fluoranthene	0.21 U
Benzo[k]fluoranthene	0.21 U
Chrysene	0.21 U
Dibenzo[a,h]Anthracene	0.21 U
Fluoranthene	0.21 U
Indeno[1,2,3-cd]pyrene	0.21 U

SB12-43	
Sample Date	11/9/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	24
Constituent	
Benzo[a]anthracene	0.21 U
Benzo[a]pyrene	0.21 U
Benzo[b]fluoranthene	0.21 U
Benzo[k]fluoranthene	0.21 U
Chrysene	0.21 U
Dibenzo[a,h]Anthracene	0.21 U
Fluoranthene	0.21 U
Indeno[1,2,3-cd]pyrene	0.21 U

SB12-20	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	24
Constituent	
Benzo[a]anthracene	0.19 U
Benzo[a]pyrene	0.19 U
Benzo[b]fluoranthene	0.19 U
Benzo[k]fluoranthene	0.19 U
Chrysene	0.19 U
Dibenzo[a,h]Anthracene	0.19 U
Fluoranthene	0.19 U
Indeno[1,2,3-cd]pyrene	0.19 U

SB12-21	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	12
Constituent	
Benzo[a]anthracene	**0.21 J**
Benzo[a]pyrene	**0.21 J**
Benzo[b]fluoranthene	**0.21 J**
Benzo[k]fluoranthene	0.21 U
Chrysene	**0.21 J**
Dibenzo[a,h]Anthracene	0.21 U
Fluoranthene	**0.21 J**
Indeno[1,2,3-cd]pyrene	**0.21 J**

SSB-01	
Sample Date	12/14/2021
Units	mg/Kg
Start Depth (in bgs)	2
End Depth (in bgs)	12
Constituent	
Benzo[a]anthracene	**0.34**
Benzo[a]pyrene	**0.41**
Benzo[b]fluoranthene	**0.56**
Benzo[k]fluoranthene	**0.24**
Chrysene	**0.43**
Dibenzo[a,h]Anthracene	0.086 U
Fluoranthene	**0.98**
Indeno[1,2,3-cd]pyrene	**0.32**

SS12-09	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	2
Constituent	
Benzo[a]anthracene	**0.21 J**
Benzo[a]pyrene	**0.21 J**
Benzo[b]fluoranthene	**0.21 J**
Benzo[k]fluoranthene	0.21 U
Chrysene	**0.21 J**
Dibenzo[a,h]Anthracene	0.21 U
Fluoranthene	**0.21 J**
Indeno[1,2,3-cd]pyrene	**0.21 J**

SS12-08	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	2
Constituent	
Benzo[a]anthracene	0.2 U
Benzo[a]pyrene	0.2 U
Benzo[b]fluoranthene	0.2 U
Benzo[k]fluoranthene	0.2 U
Chrysene	0.2 U
Dibenzo[a,h]Anthracene	0.2 U
Fluoranthene	**0.2 J**
Indeno[1,2,3-cd]pyrene	0.2 U

SS13-01	
Sample Date	11/6/2013
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	2
Constituent	
Benzo[a]anthracene	**53 J**
Benzo[a]pyrene	**54 J**
Benzo[b]fluoranthene	**86 J**
Benzo[k]fluoranthene	**21 J**
Chrysene	**72 J**
Dibenzo[a,h]Anthracene	**9.1**
Fluoranthene	**150**
Indeno[1,2,3-cd]pyrene	**48 J**

SSB-12		
Sample Date	12/13/2021	
Units	mg/Kg	mg/Kg
Start Depth (in bgs)	0	2
End Depth (in bgs)	2	12
Constituent		
Benzo[a]anthracene	0.09 U	**0.16 J**
Benzo[a]pyrene	0.099 U	**0.18 J**
Benzo[b]fluoranthene	0.097 U	**0.25**
Benzo[k]fluoranthene	0.087 U	**0.11 J**
Chrysene	0.093 U	**0.18 J**
Dibenzo[a,h]Anthracene	0.13 U	0.076 U
Fluoranthene	0.1 U	**0.40**
Indeno[1,2,3-cd]pyrene	0.15 U	**0.14 J**

SSB-11		
Sample Date	12/14/2021	
Units	mg/Kg	mg/Kg
Start Depth (in bgs)	0	2
End Depth (in bgs)	2	12
Constituent		
Benzo[a]anthracene	**0.41**	**0.26**
Benzo[a]pyrene	**0.61**	**0.42**
Benzo[b]fluoranthene	**1.0**	**0.69**
Benzo[k]fluoranthene	**0.39**	**0.26**
Chrysene	**0.65**	**0.44**
Dibenzo[a,h]Anthracene	**0.11 J**	0.086 U
Fluoranthene	**1.1**	**0.69**
Indeno[1,2,3-cd]pyrene	**0.54**	**0.36**

SS12-05	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	2
Constituent	
Benzo[a]anthracene	0.22 U
Benzo[a]pyrene	0.22 U
Benzo[b]fluoranthene	0.22 U
Benzo[k]fluoranthene	0.22 U
Chrysene	0.22 U
Dibenzo[a,h]Anthracene	0.22 U
Fluoranthene	0.22 U
Indeno[1,2,3-cd]pyrene	0.22 U

SSB-10		
Sample Date	12/14/2021	
Units	mg/Kg	mg/Kg
Start Depth (in bgs)	0	2
End Depth (in bgs)	2	12
Constituent		
Benzo[a]anthracene	0.07 U	0.082 U
Benzo[a]pyrene	0.078 U	0.09 U
Benzo[b]fluoranthene	0.076 U	0.089 U
Benzo[k]fluoranthene	0.068 U	0.08 U
Chrysene	0.073 U	0.085 U
Dibenzo[a,h]Anthracene	0.1 U	0.12 U
Fluoranthene	0.08 U	0.094 U
Indeno[1,2,3-cd]pyrene	0.11 U	0.13 U

SSB-08		
Sample Date	12/14/2021	
Units	mg/Kg	mg/Kg
Start Depth (in bgs)	0	2
End Depth (in bgs)	2	12
Constituent		
Benzo[a]anthracene	0.064 U	0.06 U
Benzo[a]pyrene	0.07 U	0.066 U
Benzo[b]fluoranthene	0.069 U	0.065 U
Benzo[k]fluoranthene	0.062 U	0.058 U
Chrysene	0.066 U	0.062 U
Dibenzo[a,h]Anthracene	0.093 U	0.087 U
Fluoranthene	**0.11 J**	0.069 U
Indeno[1,2,3-cd]pyrene	0.1 U	0.098 U

SS12-03	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	4
Constituent	
Benzo[a]anthracene	0.2 U
Benzo[a]pyrene	0.2 U
Benzo[b]fluoranthene	0.2 U
Benzo[k]fluoranthene	0.2 U
Chrysene	0.2 U
Dibenzo[a,h]Anthracene	0.2 U
Fluoranthene	0.2 U
Indeno[1,2,3-cd]pyrene	0.2 U

SSB-02		
Sample Date	12/13/2021	
Units	mg/Kg	mg/Kg
Start Depth (in bgs)	0	2
End Depth (in bgs)	2	12
Constituent		
Benzo[a]anthracene	**0.062 J**	**0.22 JD**
Benzo[a]pyrene	**0.064 J**	**0.21 JD**
Benzo[b]fluoranthene	**0.094 J**	**0.27 JD**
Benzo[k]fluoranthene	0.052 U	**0.11 JD**
Chrysene	**0.073 J**	**0.23 JD**
Dibenzo[a,h]Anthracene	0.078 U	0.15 U
Fluoranthene	**0.14 J**	**0.40 D**
Indeno[1,2,3-cd]pyrene	0.087 U	0.17 U

SS13-02 / FD-01	
Sample Date	11/6/2013
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	2
Constituent	
Benzo[a]anthracene	**0.53 / 1.1**
Benzo[a]pyrene	**0.57 / 1**
Benzo[b]fluoranthene	**0.83 / 1.3**
Benzo[k]fluoranthene	**0.45 U / 0.5**
Chrysene	**0.85 / 1.2**
Dibenzo[a,h]Anthracene	**0.45 U / 0.36 J**
Fluoranthene	**1.4 / 2.6**
Indeno[1,2,3-cd]pyrene	**0.53 / 0.74**

SS12-06	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	2
Constituent	
Benzo[a]anthracene	**0.43 J**
Benzo[a]pyrene	**0.43 J**
Benzo[b]fluoranthene	**0.43 J**
Benzo[k]fluoranthene	0.43 U
Chrysene	**0.43 J**
Dibenzo[a,h]Anthracene	0.43 U
Fluoranthene	**0.46**
Indeno[1,2,3-cd]pyrene	**0.43 J**

SSB-03		
Sample Date	12/13/2021	
Units	mg/Kg	mg/Kg
Start Depth (in bgs)	0	2
End Depth (in bgs)	2	12
Constituent		
Benzo[a]anthracene	**45**	**0.87**
Benzo[a]pyrene	**47**	**0.88**
Benzo[b]fluoranthene	**70**	**1.1**
Benzo[k]fluoranthene	**28**	**0.49**
Chrysene	**56**	**0.93**
Dibenzo[a,h]Anthracene	**8.1**	**0.13 J**
Fluoranthene	**130**	**2.0**
Indeno[1,2,3-cd]pyrene	**35**	**0.58**

SS12-01	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	4
Constituent	
Benzo[a]anthracene	**0.29**
Benzo[a]pyrene	**0.3**
Benzo[b]fluoranthene	**0.4**
Benzo[k]fluoranthene	**0.21 J**
Chrysene	**0.35**
Dibenzo[a,h]Anthracene	0.21 U
Fluoranthene	**0.6**
Indeno[1,2,3-cd]pyrene	**0.31**

SSB-04		
Sample Date	12/13/2021	
Units	mg/Kg	mg/Kg
Start Depth (in bgs)	0	2
End Depth (in bgs)	2	12
Constituent		
Benzo[a]anthracene	**4.9**	**1.9**
Benzo[a]pyrene	**5.1**	**2.0**
Benzo[b]fluoranthene	**6.1 D**	**2.8**
Benzo[k]fluoranthene	**3.3**	**1.2**
Chrysene	**5.7**	**2.1**
Dibenzo[a,h]Anthracene	**0.93**	**0.31**
Fluoranthene	**11 D**	**4.9**
Indeno[1,2,3-cd]pyrene	**4.5**	**1.7**

SSB-09		
Sample Date	12/14/2021	
Units	mg/Kg	mg/Kg
Start Depth (in bgs)	0	2
End Depth (in bgs)	2	12
Constituent		
Benzo[a]anthracene	0.064 U	0.056 U
Benzo[a]pyrene	0.071 U	0.062 U
Benzo[b]fluoranthene	0.07 U	0.061 U
Benzo[k]fluoranthene	0.063 U	0.055 U
Chrysene	0.067 U	0.058 U
Dibenzo[a,h]Anthracene	0.094 U	0.082 U
Fluoranthene	0.074 U	0.064 U
Indeno[1,2,3-cd]pyrene	0.1 U	0.091 U

SS12-04	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	6
Constituent	
Benzo[a]anthracene	0.23 U
Benzo[a]pyrene	0.23 U
Benzo[b]fluoranthene	0.23 U
Benzo[k]fluoranthene	0.23 U
Chrysene	0.23 U
Dibenzo[a,h]Anthracene	0.23 U
Fluoranthene	0.23 U
Indeno[1,2,3-cd]pyrene	0.23 U

SSB-07		
Sample Date	12/13/2021	
Units	mg/Kg	mg/Kg
Start Depth (in bgs)	0	2
End Depth (in bgs)	2	12
Constituent		
Benzo[a]anthracene	0.065 U	0.063 U
Benzo[a]pyrene	0.072 U	0.07 U
Benzo[b]fluoranthene	0.07 U	0.068 U
Benzo[k]fluoranthene	0.063 U	0.061 U
Chrysene	0.067 U	0.065 U
Dibenzo[a,h]Anthracene	0.095 U	0.092 U
Fluoranthene	0.074 U	0.072 U
Indeno[1,2,3-cd]pyrene	0.11 U	0.1 U

SS12-02	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	4
Constituent	
Benzo[a]anthracene	0.41 U
Benzo[a]pyrene	0.41 U
Benzo[b]fluoranthene	0.41 U
Benzo[k]fluoranthene	0.41 U
Chrysene	0.41 U
Dibenzo[a,h]Anthracene	0.41 U
Fluoranthene	0.41 U
Indeno[1,2,3-cd]pyrene	0.41 U

SSB-05		
Sample Date	12/13/2021	
Units	mg/Kg	mg/Kg
Start Depth (in bgs)	0	2
End Depth (in bgs)	2	12
Constituent		
Benzo[a]anthracene	0.069 U	0.063 U
Benzo[a]pyrene	0.076 U	0.07 U
Benzo[b]fluoranthene	0.075 U	0.069 U
Benzo[k]fluoranthene	0.067 U	0.062 U
Chrysene	0.072 U	0.066 U
Dibenzo[a,h]Anthracene	0.1 U	0.093 U
Fluoranthene	0.079 U	0.073 U
Indeno[1,2,3-cd]pyrene	0.11 U	0.1 U

SSB-06		
Sample Date	12/14/2021	
Units	mg/Kg	mg/Kg
Start Depth (in bgs)	0	2
End Depth (in bgs)	2	12
Constituent		
Benzo[a]anthracene	0.068 U	0.06 U
Benzo[a]pyrene	0.075 U	0.066 U
Benzo[b]fluoranthene	0.074 U	0.065 U
Benzo[k]fluoranthene	0.066 U	0.058 U
Chrysene	0.071 U	0.062 U
Dibenzo[a,h]Anthracene	0.099 U	0.087 U
Fluoranthene	0.078 U	0.069 U
Indeno[1,2,3-cd]pyrene	0.11 U	0.098 U

SURFACE SOIL
NEAR-SURFACE SOIL
CO-LOCATED SURFACE AND NEAR-SURFACE SOIL
BEDROCK MONITORING WELL
PROPERTY / OU-1 BOUNDARY
FORMER MANUFACTURING BUILDING

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds CP-51 Supplemental Residential SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Residential, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

Notes

- U - Compound was not detected at or above the detection limit.
- J - Detected concentration is at or above the detection limit but below the reporting limit and is an estimated value.

-1 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
-2 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006.
-3 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006.
-4 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006.
-5 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006.
-6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006.
-7 = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

0 40 80 Feet

SVOCS EXCEEDING SCOS IN SURFACE AND NEAR-SURFACE SOIL

NYSDEC Site #623009
Former Bornox Manufacturing Site
Town of Watertown, New York

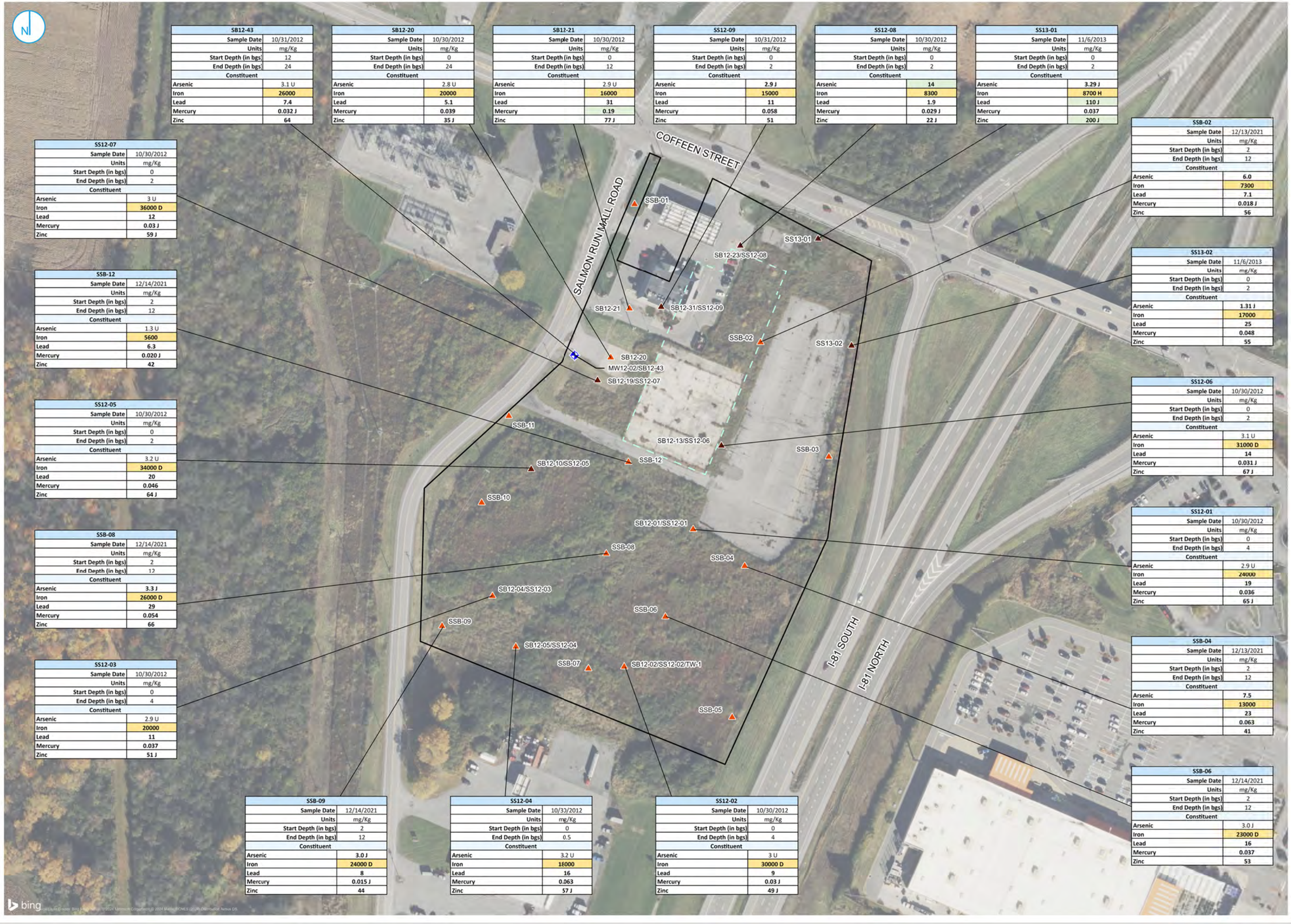
FIGURE 5-1B

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1940101317 | DATED: 4/17/2024 | DESIGNER: BSCOLE

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SB12-43	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (in bgs)	12
End Depth (in bgs)	24
Constituent	
Arsenic	3.1 U
Iron	26000
Lead	7.4
Mercury	0.032 J
Zinc	64

SB12-20	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	24
Constituent	
Arsenic	2.8 U
Iron	20000
Lead	5.1
Mercury	0.039
Zinc	35 J

SB12-21	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	12
Constituent	
Arsenic	2.9 U
Iron	16000
Lead	31
Mercury	0.19
Zinc	77 J

SS12-09	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	2
Constituent	
Arsenic	2.9 J
Iron	15000
Lead	11
Mercury	0.058
Zinc	51

SS12-08	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	2
Constituent	
Arsenic	14
Iron	8300
Lead	1.9
Mercury	0.029 J
Zinc	22 J

SS13-01	
Sample Date	11/6/2013
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	2
Constituent	
Arsenic	3.29 J
Iron	8700 H
Lead	110 J
Mercury	0.037
Zinc	200 J

SS12-07	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	2
Constituent	
Arsenic	3 U
Iron	36000 D
Lead	12
Mercury	0.03 J
Zinc	59 J

SSB-02	
Sample Date	12/13/2021
Units	mg/Kg
Start Depth (in bgs)	2
End Depth (in bgs)	12
Constituent	
Arsenic	6.0
Iron	7300
Lead	7.1
Mercury	0.018 J
Zinc	56

SSB-12	
Sample Date	12/14/2021
Units	mg/Kg
Start Depth (in bgs)	2
End Depth (in bgs)	12
Constituent	
Arsenic	1.3 U
Iron	5600
Lead	6.3
Mercury	0.020 J
Zinc	42

SS13-02	
Sample Date	11/6/2013
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	2
Constituent	
Arsenic	1.31 J
Iron	17000
Lead	25
Mercury	0.048
Zinc	55

SS12-05	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	2
Constituent	
Arsenic	3.2 U
Iron	34000 D
Lead	20
Mercury	0.046
Zinc	64 J

SS12-06	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	2
Constituent	
Arsenic	3.1 U
Iron	31000 D
Lead	14
Mercury	0.031 J
Zinc	67 J

SSB-08	
Sample Date	12/14/2021
Units	mg/Kg
Start Depth (in bgs)	2
End Depth (in bgs)	12
Constituent	
Arsenic	3.3 J
Iron	26000 D
Lead	29
Mercury	0.054
Zinc	66

SS12-01	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	4
Constituent	
Arsenic	2.9 U
Iron	24000
Lead	19
Mercury	0.036
Zinc	65 J

SS12-03	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	4
Constituent	
Arsenic	2.9 U
Iron	20000
Lead	11
Mercury	0.037
Zinc	51 J

SSB-04	
Sample Date	12/13/2021
Units	mg/Kg
Start Depth (in bgs)	2
End Depth (in bgs)	12
Constituent	
Arsenic	7.5
Iron	13000
Lead	23
Mercury	0.063
Zinc	41

SSB-09	
Sample Date	12/14/2021
Units	mg/Kg
Start Depth (in bgs)	2
End Depth (in bgs)	12
Constituent	
Arsenic	3.0 J
Iron	24000 D
Lead	8
Mercury	0.015 J
Zinc	44

SS12-04	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	0.5
Constituent	
Arsenic	3.2 U
Iron	18000
Lead	16
Mercury	0.063
Zinc	57 J

SS12-02	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (in bgs)	0
End Depth (in bgs)	4
Constituent	
Arsenic	3 U
Iron	30000 D
Lead	9
Mercury	0.03 J
Zinc	49 J

SSB-06	
Sample Date	12/14/2021
Units	mg/Kg
Start Depth (in bgs)	2
End Depth (in bgs)	12
Constituent	
Arsenic	3.0 J
Iron	23000 D
Lead	16
Mercury	0.037
Zinc	53

- SURFACE SOIL
- NEAR-SURFACE SOIL
- BEDROCK MONITORING WELL
- PROPERTY / OU-1 BOUNDARY
- FORMER MANUFACTURING BUILDING

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds CP-51 Supplemental Residential SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

Notes

- U - Compound was not detected at or above the detection limit.
- J - Detected concentration is at or above the detection limit but below the reporting limit and is an estimated value.

-[1] NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
-[2] NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006.
-[3] NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006.
-[4] NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006.
-[5] NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006.
-[6] NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006.
-[7] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

0 40 80 Feet

INORGANICS EXCEEDING SCOS IN SURFACE AND NEAR-SURFACE SOIL

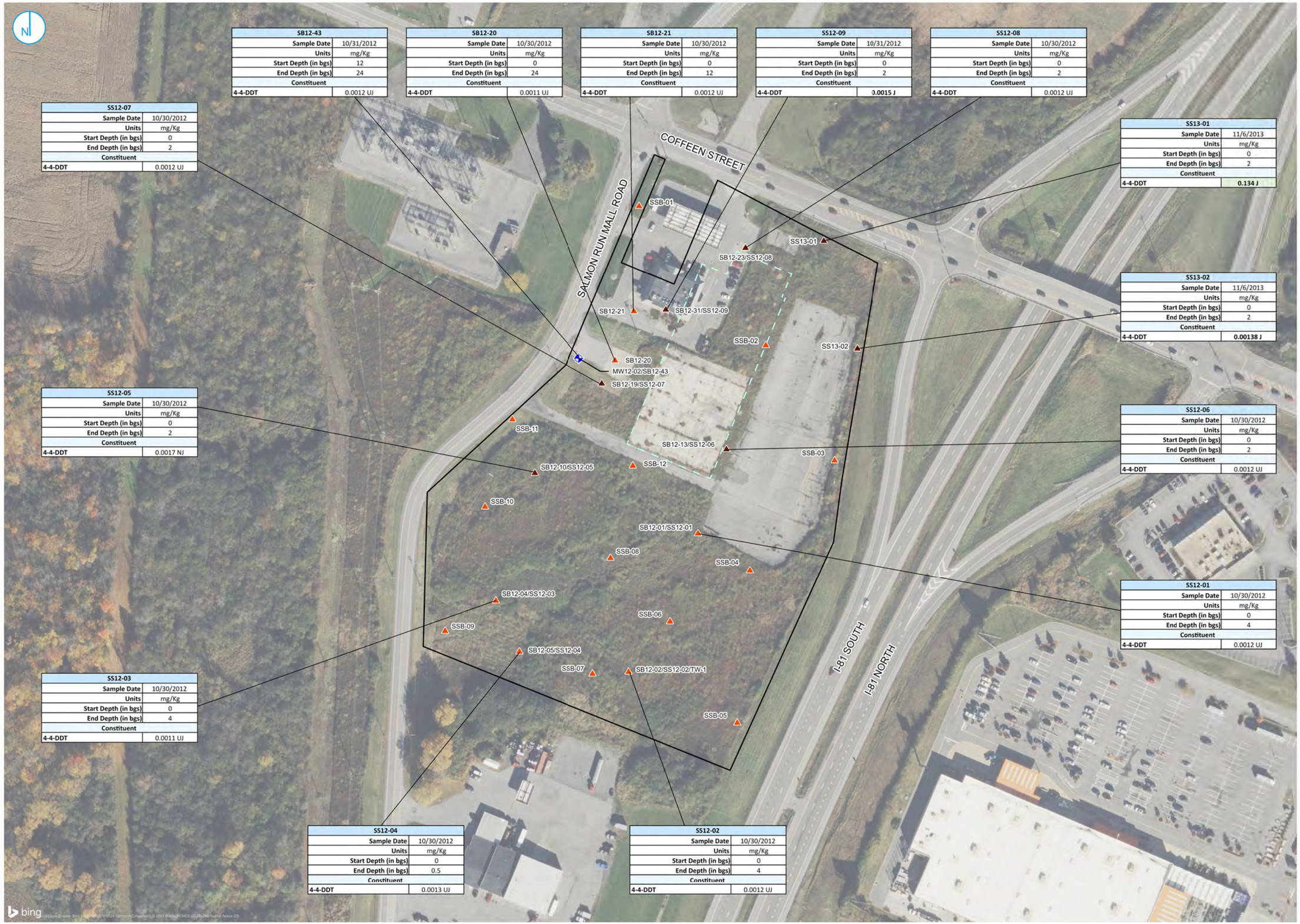
NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 5-1C

RAMBOLL AMERICAS
ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1940101337 | DATED: 4/17/2024 | DESIGNER: SBOULE



SURFACE SOIL
NEAR-SURFACE SOIL
BEDROCK MONITORING WELL
PROPERTY / OU-1 BOUNDARY
FORMER MANUFACTURING BUILDING

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds CP-51 Supplemental Residential SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

Notes
- U - Compound was not detected at or above the detection limit.
- J - Detected concentration is at or above the detection limit but below the reporting limit and is an estimated value.

-1 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
-2 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006.
-3 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006.
-4 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006.
-5 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006.
-6 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006.
-7 = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

0 40 80 Feet

PESTICIDES EXCEEDING SCOS IN SURFACE AND NEAR-SURFACE SOIL

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 5-1D

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC\ 1067815\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023.aprx\Figure_5-1D_Pesticides_Exceed

PROJECT: 1940161371 | DATED: 4/17/2024 | DESIGNER: SISOULE



SB12-27	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Acetone	15 J

SB12-26	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Acetone	0.12 UI

SB12-30	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.9
Constituent	
Acetone	0.62 J

SB12-25	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3
Constituent	
Acetone	0.11 UI

SB12-31	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6.6
Constituent	
Acetone	2.6 J

SB12-22	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3
Constituent	
Acetone	0.12 J

SB12-40	
Sample Date	11/1/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.9
Constituent	
Acetone	0.11 UI

SB12-44	
Sample Date	11/14/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	3.5
Constituent	
Acetone	0.051 UI

SB12-24	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3
Constituent	
Acetone	0.12 UI

SB12-23	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6
Constituent	
Acetone	0.13 J

SB12-32	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.9
Constituent	
Acetone	0.27 J

SB12-33	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Acetone	0.12 UI

SB12-45	
Sample Date	11/14/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Acetone	0.058 UI

SB12-16	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Acetone	0.1 J

SB12-19	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Acetone	0.12 UI

SB12-28	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Acetone	0.17 J

SB12-29	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.7
Constituent	
Acetone	0.12 UI

SB12-18	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Acetone	0.11 J

SB12-34	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Acetone	0.59 J

SB12-37	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4.4
Constituent	
Acetone	0.24 J

SB12-11	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	3
End Depth (ft bgs)	4.7
Constituent	
Acetone	0.11 J

SB12-47	
Sample Date	11/14/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Acetone	0.076 J

SB12-10	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Acetone	0.13 J

SB12-01	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6
Constituent	
Acetone	0.28 J

SB12-03	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Acetone	0.33 J

SB12-04	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6
Constituent	
Acetone	0.32 J

SB12-08	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Acetone	0.1 J

SB12-09	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Acetone	0.11 J

SB12-07	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3.9
Constituent	
Acetone	0.1 J

SB12-06	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3.3
Constituent	
Acetone	0.11 UI

SB12-05	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0.5
End Depth (ft bgs)	3.5
Constituent	
Acetone	0.11 J

SB12-02	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	8
End Depth (ft bgs)	12
Constituent	
Acetone	0.16 UI

SB12-46	
Sample Date	11/14/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6
Constituent	
Acetone	0.23 J

SB12-15	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Acetone	0.11 UI

SB12-38	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3.8
Constituent	
Acetone	0.12 UI

SB12-39	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Acetone	0.11 UI

SB12-35	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.8
Constituent	
Acetone	0.11 J

SB12-17	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Acetone	0.11 J

SB12-14	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Acetone	0.13 J

SB12-36	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4.1
Constituent	
Acetone	0.12 UI

SB12-13	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Acetone	0.12 J

SB12-12	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Acetone	0.15 J

SB12-41	
Sample Date	11/1/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Acetone	0.11 UI

SB12-42	
Sample Date	11/8/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Acetone	0.32 J

BEDROCK MONITORING WELL
SOIL BORING / TEMPORARY MONITORING WELL
SOIL BORING
PROPERTY / OU-1 BOUNDARY
FORMER MANUFACTURING BUILDING

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds CP-51 Supplemental Residential SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Residential, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

Notes
- U - Compound was not detected at or above the detection limit.
- J - Detected concentration is at or above the detection limit but below the reporting limit and is an estimated value.

-[1] NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
-[2] NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006.
-[3] NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006.
-[4] NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006.
-[5] NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006.
-[6] NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006.
-[7] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

0 40 80 Feet

VOCS EXCEEDING SCOS IN SUBSURFACE SOIL

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 5-2A

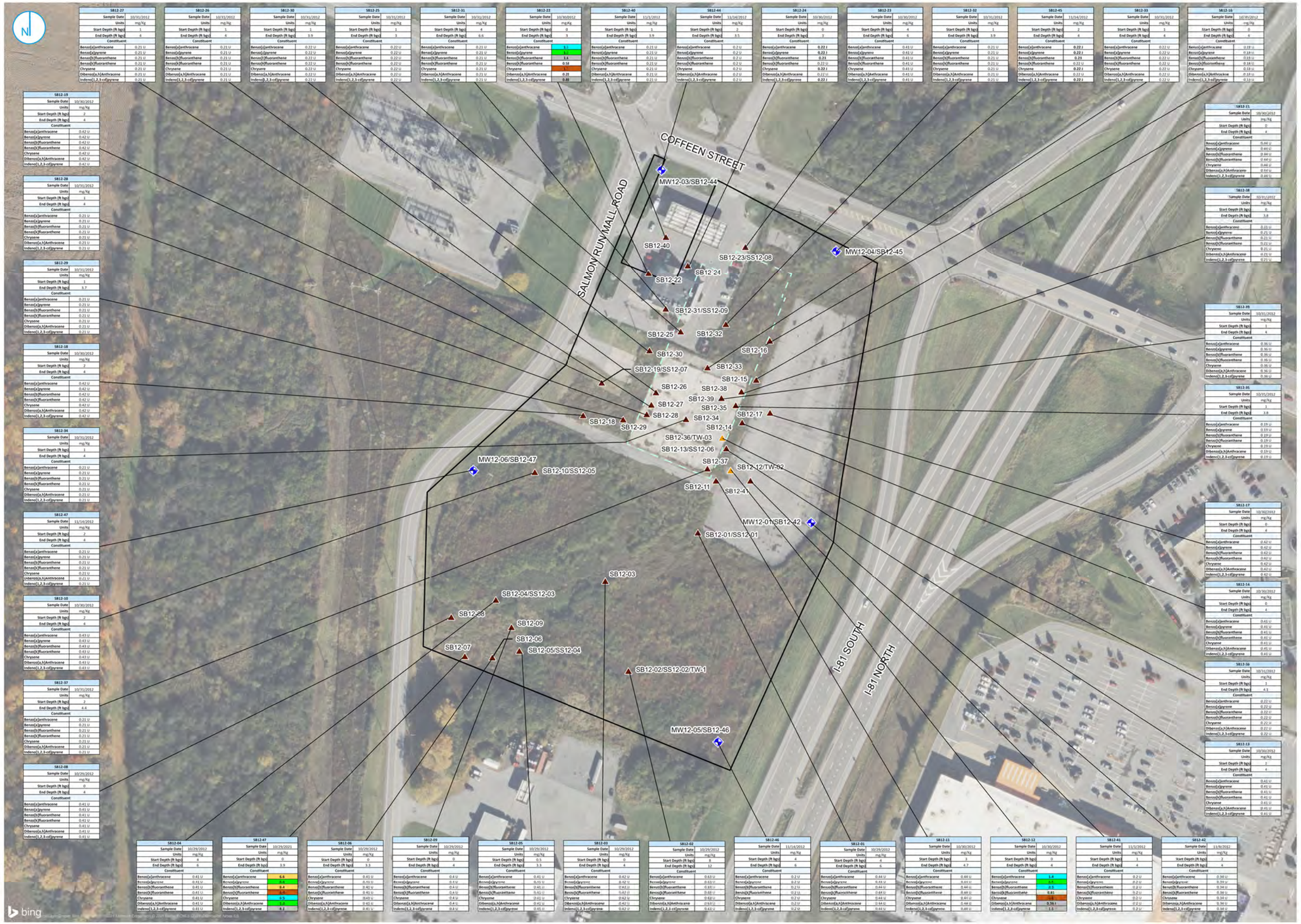
RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1940161317 | DATED: 4/17/2024 | DESIGNER: SISOULE

K:\NYS.DEC.1987815\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023.aprx\Figure_6-1A_VOC_Exceed

K:\NYS-DEC \ 106781\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023.aprx\Figure 6-1B_SVOC_Exceed



SB12-27

Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.21 U
Benzo[a]pyrene	0.21 U
Benzo[b]fluoranthene	0.21 U
Benzo[k]fluoranthene	0.21 U
Chrysene	0.21 U
Dibenzo[a,h]Anthracene	0.21 U
Indeno[1,2,3-cd]pyrene	0.21 U

SB12-26

Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.21 U
Benzo[a]pyrene	0.21 U
Benzo[b]fluoranthene	0.21 U
Benzo[k]fluoranthene	0.21 U
Chrysene	0.21 U
Dibenzo[a,h]Anthracene	0.21 U
Indeno[1,2,3-cd]pyrene	0.21 U

SB12-30

Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.9
Constituent	
Benzo[a]anthracene	0.22 U
Benzo[a]pyrene	0.22 U
Benzo[b]fluoranthene	0.22 U
Benzo[k]fluoranthene	0.22 U
Chrysene	0.22 U
Dibenzo[a,h]Anthracene	0.22 U
Indeno[1,2,3-cd]pyrene	0.22 U

SB12-25

Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3
Constituent	
Benzo[a]anthracene	0.22 U
Benzo[a]pyrene	0.22 U
Benzo[b]fluoranthene	0.22 U
Benzo[k]fluoranthene	0.22 U
Chrysene	0.22 U
Dibenzo[a,h]Anthracene	0.22 U
Indeno[1,2,3-cd]pyrene	0.22 U

SB12-31

Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6.6
Constituent	
Benzo[a]anthracene	0.21 U
Benzo[a]pyrene	0.21 U
Benzo[b]fluoranthene	0.21 U
Benzo[k]fluoranthene	0.21 U
Chrysene	0.21 U
Dibenzo[a,h]Anthracene	0.21 U
Indeno[1,2,3-cd]pyrene	0.21 U

SB12-22

Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3
Constituent	
Benzo[a]anthracene	1.1
Benzo[a]pyrene	1.1
Benzo[b]fluoranthene	1.6
Benzo[k]fluoranthene	0.58
Chrysene	1.1
Dibenzo[a,h]Anthracene	0.25
Indeno[1,2,3-cd]pyrene	0.88

SB12-40

Sample Date	11/1/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.9
Constituent	
Benzo[a]anthracene	0.21 U
Benzo[a]pyrene	0.21 U
Benzo[b]fluoranthene	0.21 U
Benzo[k]fluoranthene	0.21 U
Chrysene	0.21 U
Dibenzo[a,h]Anthracene	0.21 U
Indeno[1,2,3-cd]pyrene	0.21 U

SB12-44

Sample Date	11/14/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	3.5
Constituent	
Benzo[a]anthracene	0.2 U
Benzo[a]pyrene	0.2 U
Benzo[b]fluoranthene	0.2 U
Benzo[k]fluoranthene	0.2 U
Chrysene	0.2 U
Dibenzo[a,h]Anthracene	0.2 U
Indeno[1,2,3-cd]pyrene	0.2 U

SB12-24

Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3
Constituent	
Benzo[a]anthracene	0.22 J
Benzo[a]pyrene	0.23 J
Benzo[b]fluoranthene	0.23
Benzo[k]fluoranthene	0.22 U
Chrysene	0.23 J
Dibenzo[a,h]Anthracene	0.22 U
Indeno[1,2,3-cd]pyrene	0.23 J

SB12-23

Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6
Constituent	
Benzo[a]anthracene	0.41 U
Benzo[a]pyrene	0.41 U
Benzo[b]fluoranthene	0.41 U
Benzo[k]fluoranthene	0.41 U
Chrysene	0.41 U
Dibenzo[a,h]Anthracene	0.41 U
Indeno[1,2,3-cd]pyrene	0.41 U

SB12-32

Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.9
Constituent	
Benzo[a]anthracene	0.21 U
Benzo[a]pyrene	0.21 U
Benzo[b]fluoranthene	0.21 U
Benzo[k]fluoranthene	0.21 U
Chrysene	0.21 U
Dibenzo[a,h]Anthracene	0.21 U
Indeno[1,2,3-cd]pyrene	0.21 U

SB12-45

Sample Date	11/14/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.22 J
Benzo[a]pyrene	0.23 J
Benzo[b]fluoranthene	0.23
Benzo[k]fluoranthene	0.22 U
Chrysene	0.23 J
Dibenzo[a,h]Anthracene	0.22 U
Indeno[1,2,3-cd]pyrene	0.22 J

SB12-33

Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.22 U
Benzo[a]pyrene	0.22 U
Benzo[b]fluoranthene	0.22 U
Benzo[k]fluoranthene	0.22 U
Chrysene	0.22 U
Dibenzo[a,h]Anthracene	0.22 U
Indeno[1,2,3-cd]pyrene	0.22 U

SB12-16

Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.19 U
Benzo[a]pyrene	0.19 U
Benzo[b]fluoranthene	0.19 U
Benzo[k]fluoranthene	0.19 U
Chrysene	0.19 U
Dibenzo[a,h]Anthracene	0.19 U
Indeno[1,2,3-cd]pyrene	0.19 U

SB12-19

Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.42 U
Benzo[a]pyrene	0.42 U
Benzo[b]fluoranthene	0.42 U
Benzo[k]fluoranthene	0.42 U
Chrysene	0.42 U
Dibenzo[a,h]Anthracene	0.42 U
Indeno[1,2,3-cd]pyrene	0.42 U

SB12-28

Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.21 U
Benzo[a]pyrene	0.21 U
Benzo[b]fluoranthene	0.21 U
Benzo[k]fluoranthene	0.21 U
Chrysene	0.21 U
Dibenzo[a,h]Anthracene	0.21 U
Indeno[1,2,3-cd]pyrene	0.21 U

SB12-29

Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.7
Constituent	
Benzo[a]anthracene	0.21 U
Benzo[a]pyrene	0.21 U
Benzo[b]fluoranthene	0.21 U
Benzo[k]fluoranthene	0.21 U
Chrysene	0.21 U
Dibenzo[a,h]Anthracene	0.21 U
Indeno[1,2,3-cd]pyrene	0.21 U

SB12-18

Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.42 U
Benzo[a]pyrene	0.42 U
Benzo[b]fluoranthene	0.42 U
Benzo[k]fluoranthene	0.42 U
Chrysene	0.42 U
Dibenzo[a,h]Anthracene	0.42 U
Indeno[1,2,3-cd]pyrene	0.42 U

SB12-34

Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.21 U
Benzo[a]pyrene	0.21 U
Benzo[b]fluoranthene	0.21 U
Benzo[k]fluoranthene	0.21 U
Chrysene	0.21 U
Dibenzo[a,h]Anthracene	0.21 U
Indeno[1,2,3-cd]pyrene	0.21 U

SB12-47

Sample Date	11/14/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.21 U
Benzo[a]pyrene	0.21 U
Benzo[b]fluoranthene	0.21 U
Benzo[k]fluoranthene	0.21 U
Chrysene	0.21 U
Dibenzo[a,h]Anthracene	0.21 U
Indeno[1,2,3-cd]pyrene	0.21 U

SB12-10

Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.43 U
Benzo[a]pyrene	0.43 U
Benzo[b]fluoranthene	0.43 U
Benzo[k]fluoranthene	0.43 U
Chrysene	0.43 U
Dibenzo[a,h]Anthracene	0.43 U
Indeno[1,2,3-cd]pyrene	0.43 U

SB12-37

Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4.4
Constituent	
Benzo[a]anthracene	0.21 U
Benzo[a]pyrene	0.21 U
Benzo[b]fluoranthene	0.21 U
Benzo[k]fluoranthene	0.21 U
Chrysene	0.21 U
Dibenzo[a,h]Anthracene	0.21 U
Indeno[1,2,3-cd]pyrene	0.21 U

SB12-08

Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.41 U
Benzo[a]pyrene	0.41 U
Benzo[b]fluoranthene	0.41 U
Benzo[k]fluoranthene	0.41 U
Chrysene	0.41 U
Dibenzo[a,h]Anthracene	0.41 U
Indeno[1,2,3-cd]pyrene	0.41 U

SB12-15

Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.44 U
Benzo[a]pyrene	0.44 U
Benzo[b]fluoranthene	0.44 U
Benzo[k]fluoranthene	0.44 U
Chrysene	0.44 U
Dibenzo[a,h]Anthracene	0.44 U
Indeno[1,2,3-cd]pyrene	0.44 U

SB12-38

Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3.8
Constituent	
Benzo[a]anthracene	0.21 U
Benzo[a]pyrene	0.21 U
Benzo[b]fluoranthene	0.21 U
Benzo[k]fluoranthene	0.21 U
Chrysene	0.21 U
Dibenzo[a,h]Anthracene	0.21 U
Indeno[1,2,3-cd]pyrene	0.21 U

SB12-39

Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.36 U
Benzo[a]pyrene	0.36 U
Benzo[b]fluoranthene	0.36 U
Benzo[k]fluoranthene	0.36 U
Chrysene	0.36 U
Dibenzo[a,h]Anthracene	0.36 U
Indeno[1,2,3-cd]pyrene	0.36 U

SB12-35

Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.8
Constituent	
Benzo[a]anthracene	0.19 U
Benzo[a]pyrene	0.19 U
Benzo[b]fluoranthene	0.19 U
Benzo[k]fluoranthene	0.19 U
Chrysene	0.19 U
Dibenzo[a,h]Anthracene	0.19 U
Indeno[1,2,3-cd]pyrene	0.19 U

SB12-17

Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.42 U
Benzo[a]pyrene	0.42 U
Benzo[b]fluoranthene	0.42 U
Benzo[k]fluoranthene	0.42 U
Chrysene	0.42 U
Dibenzo[a,h]Anthracene	0.42 U
Indeno[1,2,3-cd]pyrene	0.42 U

SB12-14

Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.41 U
Benzo[a]pyrene	0.41 U
Benzo[b]fluoranthene	0.41 U
Benzo[k]fluoranthene	0.41 U
Chrysene	0.41 U
Dibenzo[a,h]Anthracene	0.41 U
Indeno[1,2,3-cd]pyrene	0.41 U

SB12-36

Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4.1
Constituent	
Benzo[a]anthracene	0.22 U
Benzo[a]pyrene	0.22 U
Benzo[b]fluoranthene	0.22 U
Benzo[k]fluoranthene	0.22 U
Chrysene	0.22 U
Dibenzo[a,h]Anthracene	0.22 U
Indeno[1,2,3-cd]pyrene	0.22 U

SB12-13

Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.41 U
Benzo[a]pyrene	0.41 U
Benzo[b]fluoranthene	0.41 U
Benzo[k]fluoranthene	0.41 U
Chrysene	0.41 U
Dibenzo[a,h]Anthracene	0.41 U
Indeno[1,2,3-cd]pyrene	0.41 U

SB12-04

Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6
Constituent	
Benzo[a]anthracene	0.41 U
Benzo[a]pyrene	0.41 U
Benzo[b]fluoranthene	0.41 U
Benzo[k]fluoranthene	0.41 U
Chrysene	0.41 U
Dibenzo[a,h]Anthracene	0.41 U
Indeno[1,2,3-cd]pyrene	0.41 U

SB12-07

Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	3.9
End Depth (ft bgs)	6
Constituent	
Benzo[a]anthracene	6.6
Benzo[a]pyrene	6.4
Benzo[b]fluoranthene	8.4
Benzo[k]fluoranthene	3.4
Chrysene	5.5
Dibenzo[a,h]Anthracene	2.1
Indeno[1,2,3-cd]pyrene	4.1

SB12-06

Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3.3
Constituent	
Benzo[a]anthracene	0.41 U
Benzo[a]pyrene	0.41 U
Benzo[b]fluoranthene	0.41 U
Benzo[k]fluoranthene	0.41 U
Chrysene	0.41 U
Dibenzo[a,h]Anthracene	0.41 U
Indeno[1,2,3-cd]pyrene	0.41 U

SB12-09

Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.4 U
Benzo[a]pyrene	0.4 U
Benzo[b]fluoranthene	0.4 U
Benzo[k]fluoranthene	0.4 U
Chrysene	0.4 U
Dibenzo[a,h]Anthracene	0.4 U
Indeno[1,2,3-cd]pyrene	0.4 U

SB12-05

Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0.5
End Depth (ft bgs)	3.3
Constituent	
Benzo[a]anthracene	0.41 U
Benzo[a]pyrene	0.41 U
Benzo[b]fluoranthene	0.41 U
Benzo[k]fluoranthene	0.41 U
Chrysene	0.41 U
Dibenzo[a,h]Anthracene	0.41 U
Indeno[1,2,3-cd]pyrene	0.41 U

SB12-03

Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.42 U
Benzo[a]pyrene	0.42 U
Benzo[b]fluoranthene	0.42 J
Benzo[k]fluoranthene	0.42 U
Chrysene	0.42 U
Dibenzo[a,h]Anthracene	0.42 U
Indeno[1,2,3-cd]pyrene	0.42 U

SB12-02

Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	8
End Depth (ft bgs)	12
Constituent	
Benzo[a]anthracene	0.63 U
Benzo[a]pyrene	0.63 U
Benzo[b]fluoranthene	0.63 U
Benzo[k]fluoranthene	0.63 U
Chrysene	0.63 U
Dibenzo[a,h]Anthracene	0.63 U
Indeno[1,2,3-cd]pyrene	0.63 U

SB12-46

Sample Date	11/14/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6
Constituent	
Benzo[a]anthracene	0.2 U
Benzo[a]pyrene	0.2 U
Benzo[b]fluoranthene	0.2 U
Benzo[k]fluoranthene	0.2 U
Chrysene	0.2 U
Dibenzo[a,h]Anthracene	0.2 U
Indeno[1,2,3-cd]pyrene	0.2 U

SB12-01

Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6
Constituent	
Benzo[a]anthracene	0.44 U
Benzo[a]pyrene	0.44 U
Benzo[b]fluoranthene	0.44 U
Benzo[k]fluoranthene	0.44 U
Chrysene	0.44 U
Dibenzo[a,h]Anthracene	0.44 U
Indeno[1,2,3-cd]pyrene	0.44 U

SB12-11

Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	3
End Depth (ft bgs)	4.7
Constituent	
Benzo[a]anthracene	0.44 U
Benzo[a]pyrene	0.44 U
Benzo[b]fluoranthene	0.44 U
Benzo[k]fluoranthene	0.44 U
Chrysene	0.44 U
Dibenzo[a,h]Anthracene	0.44 U
Indeno[1,2,3-cd]pyrene	0.44 U

SB12-12

Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	1.4
Benzo[a]pyrene	1.5
Benzo[b]fluoranthene	2.1
Benzo[k]fluoranthene	0.81
Chrysene	1.5
Dibenzo[a,h]Anthracene	0.36 J
Indeno[1,2,3-cd]pyrene	1.5

SB12-41

Sample Date	11/1/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.2 U
Benzo[a]pyrene	0.2 U
Benzo[b]fluoranthene	0.2 U
Benzo[k]fluoranthene	0.2 U
Chrysene	0.2 U
Dibenzo[a,h]Anthracene	0.2 U
Indeno[1,2,3-cd]pyrene	0.2 U

SB12-42

Sample Date	11/8/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Benzo[a]anthracene	0.34 U
Benzo[a]pyrene	0.34 U
Benzo[b]fluoranthene	0.34 U
Benzo[k]fluoranthene	0.34 U
Chrysene	0.34 U
Dibenzo[a,h]Anthracene	0.34 U
Indeno[1,2,3-cd]pyrene	0.34 U

BEDROCK MONITORING WELL
SOIL BORING / TEMPORARY MONITORING WELL
SOIL BORING
PROPERTY / OU-1 BOUNDARY
FORMER MANUFACTURING BUILDING

Exceeds NYS Part 375 Unrestricted SCOs
Exceeds CP-51 Supplemental Residential SCOs
Exceeds NYS Part 375 Unrestricted and Residential SCOs
Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commerical, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
Residential, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

Notes

- U - Compound was not detected at or above the detection limit.
- J - Detected concentration is at or above the detection limit but below the reporting limit and is an estimated value.

-[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
-[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006.
-[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006.
-[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006.
-[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006.
-[6] = Protection of Groundwater, December 14, 2006.
-[7] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

0 40 80 Feet

SVOCS EXCEEDING SCOS IN SUBSURFACE SOIL

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Waterford, New York

FIGURE 5-2B

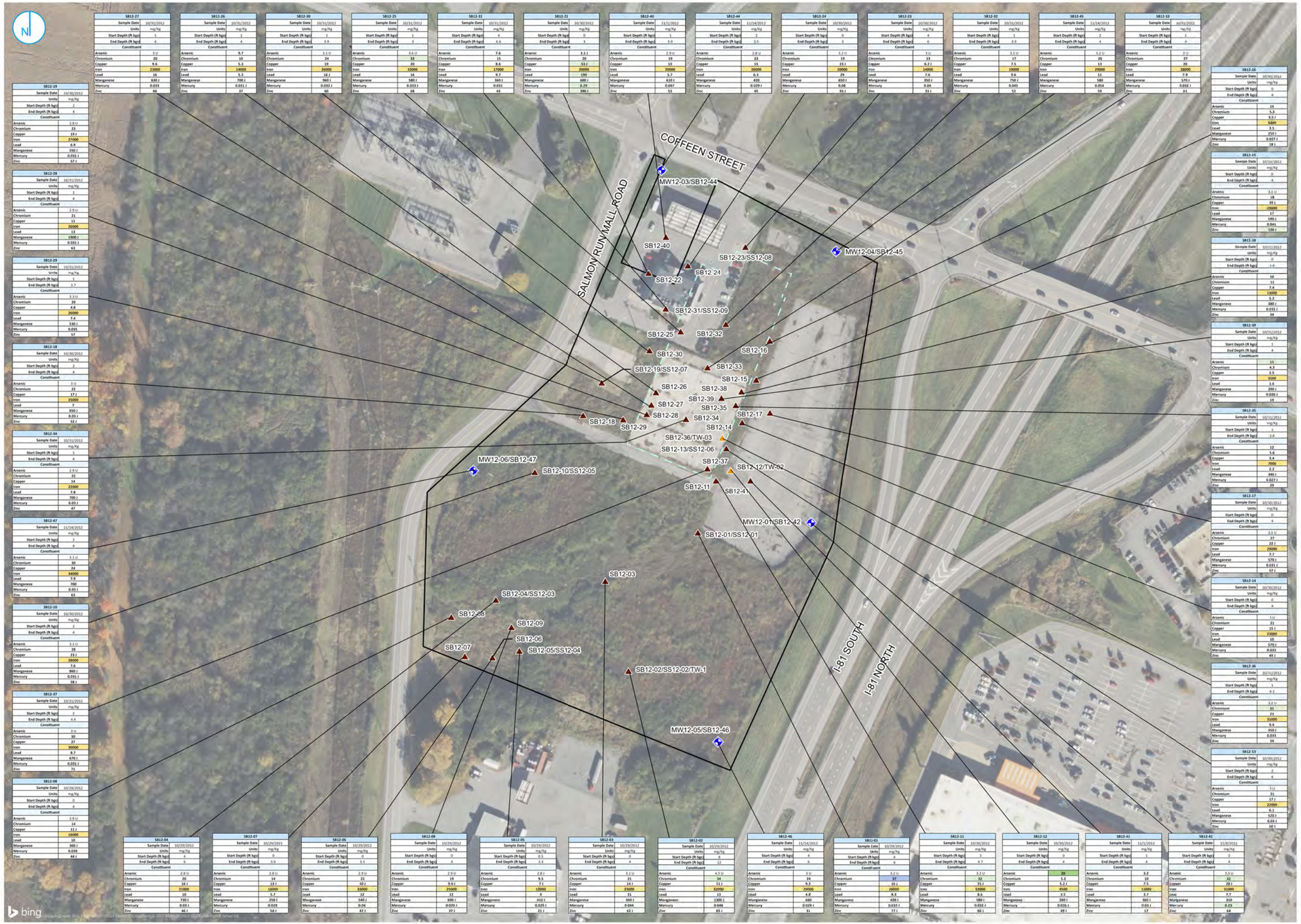
RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1940101937 | DATED: 4/17/2024 | DESIGNER: SBOULE

K:\NYS-DEC\ 1087815\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023.aprx\Figure_6-1C_Inorganics_Exceed

PROJECT: 1940101317 | DATED: 4/17/2024 | DESIGNER: SSOULE



SB12-27	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Arsenic	3 U
Chromium	20
Copper	9.6
Iron	23000
Lead	16
Manganese	630 J
Mercury	0.033
Zinc	66

SB12-26	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Arsenic	9.7
Chromium	10
Copper	5.3
Iron	14000
Lead	5.3
Manganese	700 J
Mercury	0.031 J
Zinc	37

SB12-30	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.9
Constituent	
Arsenic	3.1 U
Chromium	24
Copper	19
Iron	26000
Lead	16 J
Manganese	960 J
Mercury	0.032 J
Zinc	60

SB12-25	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3
Constituent	
Arsenic	3.6 U
Chromium	32
Copper	20
Iron	33000
Lead	16
Manganese	580 J
Mercury	0.033 J
Zinc	68

SB12-31	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6.6
Constituent	
Arsenic	7.6
Chromium	15
Copper	8.6
Iron	17000
Lead	9.7
Manganese	360 J
Mercury	0.031
Zinc	43

SB12-21	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3
Constituent	
Arsenic	3.1 J
Chromium	20
Copper	53 J
Iron	20000
Lead	190
Manganese	680 J
Mercury	0.29
Zinc	390 J

SB12-40	
Sample Date	11/1/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.9
Constituent	
Arsenic	2.9 U
Chromium	19
Copper	13
Iron	20000
Lead	5.7
Manganese	610 J
Mercury	0.047
Zinc	53

SB12-44	
Sample Date	11/14/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	3.5
Constituent	
Arsenic	2.8 U
Chromium	23
Copper	15
Iron	26000
Lead	6.3
Manganese	420
Mercury	0.029 J
Zinc	45

SB12-24	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3
Constituent	
Arsenic	3.2 U
Chromium	19
Copper	23 J
Iron	20000
Lead	29
Manganese	650 J
Mercury	0.08
Zinc	93 J

SB12-23	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6
Constituent	
Arsenic	3 U
Chromium	13
Copper	6.2 J
Iron	14000
Lead	7.6
Manganese	350 J
Mercury	0.04
Zinc	33 J

SB12-32	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.9
Constituent	
Arsenic	3.1 U
Chromium	17
Copper	7.5
Iron	19000
Lead	9.6
Manganese	750 J
Mercury	0.045
Zinc	52

SB12-45	
Sample Date	11/14/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Arsenic	3.2 U
Chromium	26
Copper	13
Iron	29000
Lead	11
Manganese	580
Mercury	0.054
Zinc	59

SB12-33	
Sample Date	10/31/2012
Units	mg/kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Arsenic	3 U
Chromium	27
Copper	20
Iron	28000
Lead	7.9
Manganese	570 J
Mercury	0.032 J
Zinc	61

SB12-19	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Arsenic	2.9 U
Chromium	23
Copper	19 J
Iron	27000
Lead	6.9
Manganese	550 J
Mercury	0.033 J
Zinc	57 J

SB12-28	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Arsenic	2.9 U
Chromium	21
Copper	11
Iron	26000
Lead	13
Manganese	1900 J
Mercury	0.031 J
Zinc	63

SB12-29	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.7
Constituent	
Arsenic	3.3 U
Chromium	20
Copper	4.8
Iron	26000
Lead	7.4
Manganese	530 J
Mercury	0.035
Zinc	57

SB12-18	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Arsenic	3 U
Chromium	22
Copper	17 J
Iron	25000
Lead	7
Manganese	650 J
Mercury	0.03 J
Zinc	52 J

SB12-34	
Sample Date	10/31/2012
Units	mg/kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Arsenic	2.9 U
Chromium	22
Copper	14
Iron	22000
Lead	7.8
Manganese	700 J
Mercury	0.03 J
Zinc	47

SB12-47	
Sample Date	11/14/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Arsenic	3.1 U
Chromium	30
Copper	24
Iron	34000
Lead	7.9
Manganese	700
Mercury	0.03 J
Zinc	63

SB12-10	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Arsenic	3.1 U
Chromium	28
Copper	23 J
Iron	28000
Lead	7.6
Manganese	860 J
Mercury	0.033 J
Zinc	58 J

SB12-37	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4.4
Constituent	
Arsenic	3 U
Chromium	30
Copper	27
Iron	30000
Lead	8.7
Manganese	670 J
Mercury	0.033 J
Zinc	71

SB12-08	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Arsenic	2.9 U
Chromium	14
Copper	11 J
Iron	16000
Lead	10
Manganese	360 J
Mercury	0.039
Zinc	44 J

SB12-04	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6
Constituent	
Arsenic	2.8 U
Chromium	20
Copper	16 J
Iron	21000
Lead	10
Manganese	730 J
Mercury	0.03 J
Zinc	46 J

SB12-07		
Sample Date	10/29/2012	10/29/2021
Units	mg/Kg	mg/Kg
Start Depth (ft bgs)	0	0
End Depth (ft bgs)	4	3.9
Constituent		
Arsenic	2.8 U	2.8 U
Chromium	14	14
Copper	13 J	13 J
Iron	16000	16000
Lead	5.7	5.7
Manganese	250 J	250 J
Mercury	0.029	0.029
Zinc	58 J	58 J

SB12-06	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3.3
Constituent	
Arsenic	2.9 U
Chromium	22
Copper	10 J
Iron	33000
Lead	12
Manganese	540 J
Mercury	0.04
Zinc	47 J

SB12-09	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Arsenic	2.9 U
Chromium	19
Copper	9.9 J
Iron	25000
Lead	12
Manganese	690 J
Mercury	0.029 J
Zinc	37 J

SB12-05	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0.5
End Depth (ft bgs)	3.3
Constituent	
Arsenic	2.8 J
Chromium	9.5
Copper	7.1 J
Iron	13000
Lead	4
Manganese	410 J
Mercury	0.029 J
Zinc	21 J

SB12-03	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Arsenic	3.1 U
Chromium	21
Copper	14 J
Iron	23000
Lead	21
Manganese	460 J
Mercury	0.044
Zinc	62 J

SB12-02	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	8
End Depth (ft bgs)	12
Constituent	
Arsenic	4.5 U
Chromium	34
Copper	11 J
Iron	33000
Lead	13
Manganese	1300 J
Mercury	0.048
Zinc	65 J

SB12-46	
Sample Date	11/14/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6
Constituent	
Arsenic	3 U
Chromium	24
Copper	9.3
Iron	29000
Lead	4.8
Manganese	660
Mercury	0.029 J
Zinc	31

SB12-01	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6
Constituent	
Arsenic	3.2 U
Chromium	37
Copper	16 J
Iron	36000
Lead	8.3
Manganese	420 J
Mercury	0.032 J
Zinc	77 J

SB12-11	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	3
End Depth (ft bgs)	4.7
Constituent	
Arsenic	3.2 U
Chromium	32
Copper	75 J
Iron	12000
Lead	8.6
Manganese	580 J
Mercury	0.032 J
Zinc	66 J

SB12-12	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Arsenic	20
Chromium	5.2
Copper	5.2 J
Iron	4500
Lead	3.5
Manganese	280 J
Mercury	0.026 J
Zinc	49 J

SB12-41	
Sample Date	11/1/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Arsenic	3.2
Chromium	10
Copper	7.5
Iron	13000
Lead	3.7
Manganese	360 J
Mercury	0.03 J
Zinc	17

SB12-42	
Sample Date	11/8/2012
Units	mg/kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	8
Constituent	
Arsenic	3.5 U
Chromium	32
Copper	28 J
Iron	31000
Lead	7.7
Manganese	310
Mercury	0.23
Zinc	64

SB12-16	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Arsenic	16
Chromium	5.3
Copper	3.5 J
Iron	6800
Lead	3.5
Manganese	250 J
Mercury	0.027 J
Zinc	18 J

SB12-15	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Arsenic	3.1 U
Chromium	18
Copper	10 J
Iron	20000
Lead	17
Manganese	590 J
Mercury	0.041
Zinc	120 J

SB12-38	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3.8
Constituent	
Arsenic	10
Chromium	11
Copper	7.4
Iron	13000
Lead	5.2
Manganese	380 J
Mercury	0.031 J
Zinc	39

SB12-39	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
Arsenic	15
Chromium	4.3
Copper	2.5
Iron	5500
Lead	1.6
Manganese	390 J
Mercury	0.026 J
Zinc	19

SB12-35	
Sample Date	10/31/2012
Units	mg/kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.8
Constituent	
Arsenic	12
Chromium	5.6
Copper	3.4
Iron	7000
Lead	2.2
Manganese	340 J
Mercury	0.027 J
Zinc	29

SB12-17	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Arsenic	3.1 U
Chromium	27
Copper	22 J
Iron	29000
Lead	7.7
Manganese	570 J
Mercury	0.031 J
Zinc	57 J

SB12-14	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
Arsenic	3 U
Chromium	21
Copper	15 J
Iron	23000
Lead	10
Manganese	570 J
Mercury	0.033
Zinc	49 J

SB12-36	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4.1
Constituent	
Arsenic	3.2 U
Chromium	31
Copper	21
Iron	31000
Lead	9.4
Manganese	450 J
Mercury	0.033
Zinc	98

SB12-13	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
Arsenic	3 U
Chromium	21
Copper	17 J
Iron	22000
Lead	6.1
Manganese	520 J
Mercury	0.03 J
Zinc	50 J

- BEDROCK MONITORING WELL
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	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Residential, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

Notes

- U - Compound was not detected at or above the detection limit.
- J - Detected concentration is at or above the detection limit but below the reporting limit and is an estimated value.

-[1] 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
-[2] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006.
-[3] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006.
-[4] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006.
-[5] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006.
-[6] 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006.
-[7] = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

0 40 80 Feet

INORGANICS EXCEEDING SCOS IN SUBSURFACE SOIL

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 5-2C

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC\ 108781\Standard\GIS\Former_Bomax\PRO\Bomax_RI_2023\Bomax_RI_2023.aprx\Figure_6-1D_Pesticides_Exceed



SB12-27	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0012 UJ

SB12-26	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0012 UJ

SB12-30	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.9
Constituent	
4-4-DDT	0.0013 UJ

SB12-25	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3
Constituent	
4-4-DDT	0.0013 UJ

SB12-31	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6.6
Constituent	
4-4-DDT	0.0013 UJ

SB12-22	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3
Constituent	
4-4-DDT	0.0037 NJ

SB12-40	
Sample Date	11/1/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.9
Constituent	
4-4-DDT	0.0012 UJ

SB12-44	
Sample Date	11/14/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	3.5
Constituent	
4-4-DDT	0.0012 UJ

SB12-24	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3
Constituent	
4-4-DDT	0.0013 UJ

SB12-23	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6
Constituent	
4-4-DDT	0.0012 UJ

SB12-32	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.9
Constituent	
4-4-DDT	0.0012 UJ

SB12-45	
Sample Date	11/14/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0013 UJ

SB12-33	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0013 UJ

SB12-13	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0013 UJ

SB12-28	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0012 UJ

SB12-29	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.7
Constituent	
4-4-DDT	0.0012 UJ

SB12-18	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0012 UJ

SB12-34	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0012 UJ

SB12-47	
Sample Date	11/14/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0012 UJ

SB12-10	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0012 UJ

SB12-37	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4.4
Constituent	
4-4-DDT	0.0013 UJ

SB12-08	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0012 UJ

SB12-16	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.001 UJ

SB12-15	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0013 UJ

SB12-38	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3.8
Constituent	
4-4-DDT	0.0012 UJ

SB12-39	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0011 UJ

SB12-35	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	3.8
Constituent	
4-4-DDT	0.0013 UJ

SB12-17	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0012 UJ

SB12-14	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0012 UJ

SB12-36	
Sample Date	10/31/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4.1
Constituent	
4-4-DDT	0.0013 UJ

SB12-13	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0012 UJ

SB12-04	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6
Constituent	
4-4-DDT	0.0012 UJ

SB12-07	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3.9
Constituent	
4-4-DDT	0.0011 UJ

SB12-06	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	3.3
Constituent	
4-4-DDT	0.0012 UJ

SB12-09	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0012 UJ

SB12-05	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0.5
End Depth (ft bgs)	3.3
Constituent	
4-4-DDT	0.0012 UJ

SB12-03	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0012 UJ

SB12-02	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	9
End Depth (ft bgs)	12
Constituent	
4-4-DDT	0.0018 UJ

SB12-46	
Sample Date	11/14/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6
Constituent	
4-4-DDT	0.0012 UJ

SB12-01	
Sample Date	10/29/2012
Units	mg/Kg
Start Depth (ft bgs)	4
End Depth (ft bgs)	6
Constituent	
4-4-DDT	0.0013 UJ

SB12-11	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	3
End Depth (ft bgs)	4.7
Constituent	
4-4-DDT	0.0013 UJ

SB12-12	
Sample Date	10/30/2012
Units	mg/Kg
Start Depth (ft bgs)	0
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.001 UJ

SB12-41	
Sample Date	11/1/2012
Units	mg/Kg
Start Depth (ft bgs)	1
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0012 UJ

SB12-42	
Sample Date	11/8/2012
Units	mg/Kg
Start Depth (ft bgs)	2
End Depth (ft bgs)	4
Constituent	
4-4-DDT	0.0014 UJ

BEDROCK MONITORING WELL
SOIL BORING / TEMPORARY MONITORING WELL
SOIL BORING
PROPERTY / OU-1 BOUNDARY
FORMER MANUFACTURING BUILDING

	Exceeds NYS Part 375 Unrestricted SCOs
	Exceeds CP-51 Supplemental Residential SCOs
	Exceeds NYS Part 375 Unrestricted and Residential SCOs
	Exceeds NYS Part 375 Unrestricted, Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, and Restricted-Residential SCOs
	Exceeds NYS Part 375 Unrestricted and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential and GW Protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Commercial SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commerical, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial SCOs
	Residental, Restricted-Residential, Commerical, Industrial, and GW protection SCOs
	Exceeds NYS Part 375 Unrestricted, Residential, Restricted-Residential, and Industrial SCOs

Notes
- U - Compound was not detected at or above the detection limit.
- J - Detected concentration is at or above the detection limit but below the reporting limit and is an estimated value.

-1 6 NYCRR Part 375, Table 375-6.8 (a): Unrestricted Use Soil Cleanup Objectives, December 14, 2006.
-2 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Residential, December 14, 2006.
-3 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Restricted-Residential, December 14, 2006.
-4 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Commercial, December 14, 2006.
-5 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Industrial, December 14, 2006.
-6 6 NYCRR Part 375, Table 375-6.8 (a): Restricted Use Soil Cleanup Objectives, Protection of Public Health, Protection of Groundwater, December 14, 2006.
-7 = CP-51, Soil Cleanup Guidance, Table 1: Supplemental Soil Cleanup Objectives, Protection of Ecological Resources, October 21, 2010.

0 40 80 Feet

PESTICIDES EXCEEDING SCOS IN SUBSURFACE SOIL

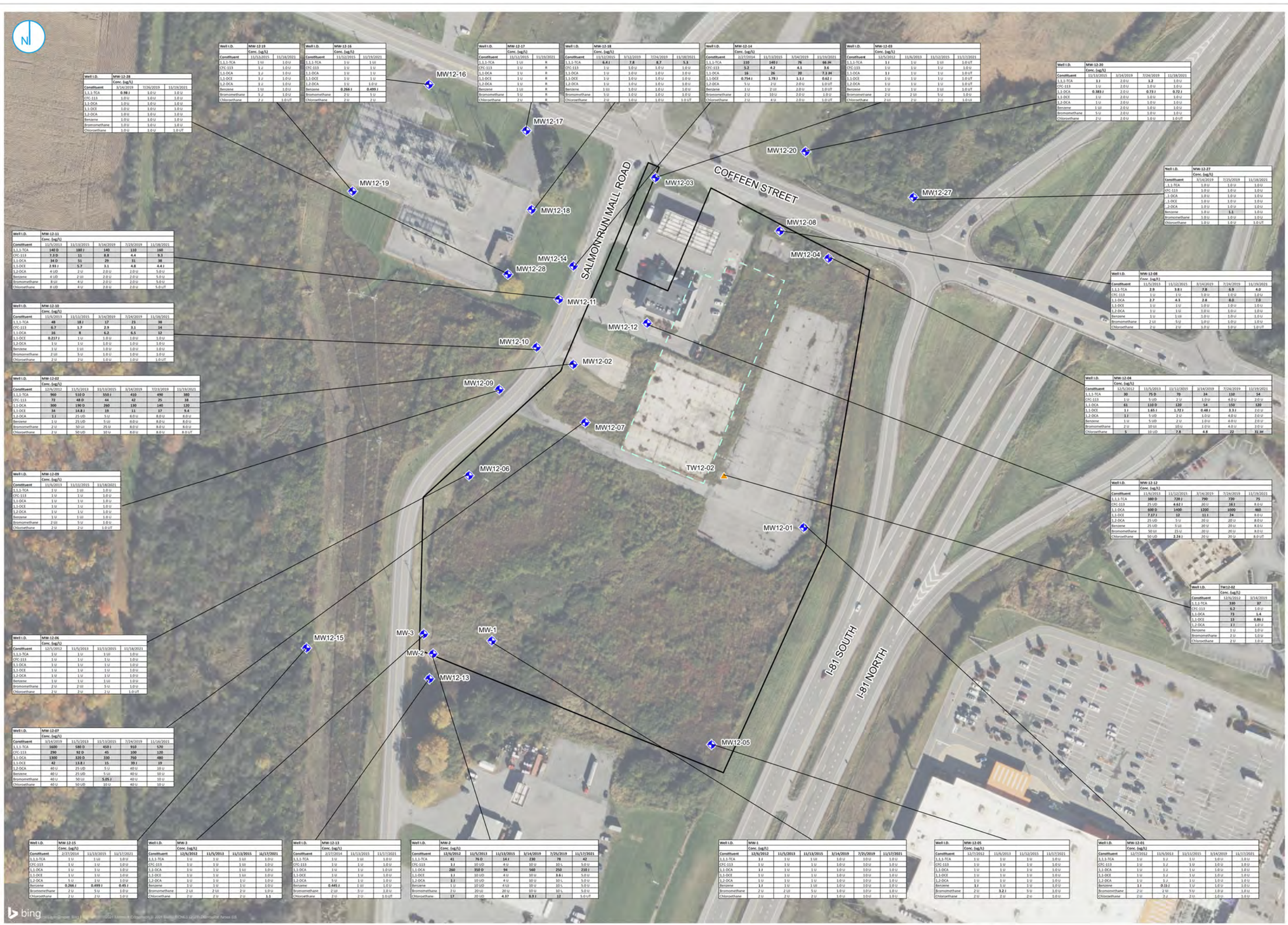
NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 5-2D

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

PROJECT: 1940101337 | DATED: 4/17/2024 | DESIGNER: SSOULE



Well I.D.	MW-12-19		
	Conc. (ug/L)		
Constituent	11/12/2015	11/18/2021	
1,1,1-TCA	1 UJ	1.0 U	
CFC-113	1 U	1.0 U	
1,1-DCA	1 U	1.0 U	
1,1-DCE	1 U	1.0 U	
1,2-DCA	1 U	1.0 U	
Benzene	1 UJ	1.0 U	
Bromomethane	5 U	1.0 U	
Chloroethane	2 U	1.0 UT	

Well I.D.	MW-12-16		
	Conc. (ug/L)		
Constituent	11/12/2015	11/19/2021	
1,1,1-TCA	1 U	1 UJ	
CFC-113	1 U	1 U	
1,1-DCA	1 U	1 U	
1,1-DCE	1 U	1.0 U	
1,2-DCA	1 U	1.0 U	
Benzene	**0.266 J**	**0.499 J**	
Bromomethane	2 U	5 U	
Chloroethane	2 U	2 U	

Well I.D.	MW-12-17		
	Conc. (ug/L)		
Constituent	11/12/2015	11/19/2021	
1,1,1-TCA	1 UJ	R	
CFC-113	1 U	R	
1,1-DCA	1 U	R	
1,1-DCE	1 U	R	
1,2-DCA	1 U	R	
Benzene	1 UJ	R	
Bromomethane	5 U	R	
Chloroethane	2 U	R	

Well I.D.	MW-12-18			
	Conc. (ug/L)			
Constituent	11/12/2015	3/12/2019	7/24/2019	11/18/2021
1,1,1-TCA	**6.4 J**	**7.8**	**8.7**	**5.3**
CFC-113	1 U	1.0 U	1.0 U	1.0 U
1,1-DCA	1 U	1.0 U	1.0 U	1.0 U
1,1-DCE	1 U	1.0 U	1.0 U	1.0 U
1,2-DCA	1 U	1.0 U	1.0 U	1.0 U
Benzene	1 UJ	1.0 U	1.0 U	1.0 U
Bromomethane	5 U	1.0 U	1.0 U	1.0 U
Chloroethane	2 U	1.0 U	1.0 U	1.0 UT

Well I.D.	MW-12-14			
	Conc. (ug/L)			
Constituent	2/27/2014	11/11/2015	3/14/2019	11/19/2021
1,1,1-TCA	**110**	**140 J**	**76**	**66 JH**
CFC-113	**5.2**	**4.2**	**4.1**	**3.6**
1,1-DCA	**16**	**26**	**20**	**7.3 JH**
1,1-DCE	**0.754 J**	**1.78 J**	**1.1 J**	**0.62 J**
1,2-DCA	5 U	2 UJ	2.0 U	1.0 UT
Benzene	1 U	2 UJ	2.0 U	1.0 UT
Bromomethane	2 U	10 U	2.0 U	1.0 U
Chloroethane	2 U	4 U	2.0 U	1.0 UT

Well I.D.	MW-12-03			
	Conc. (ug/L)			
Constituent	12/5/2012	11/6/2013	11/12/2015	11/17/2021
1,1,1-TCA	**1 J**	1 U	1 UJ	1.0 UT
CFC-113	1 U	1 U	1 U	1.0 U
1,1-DCA	**1 J**	1 U	1 U	1.0 UT
1,1-DCE	1 U	1 U	1 U	1.0 UT
1,2-DCA	1 U	1 U	1 U	1.0 UT
Benzene	1 U	1 U	1 UJ	1.0 UT
Bromomethane	2 U	2 UJ	5 U	1.0 U
Chloroethane	2 U	2 U	2 U	1.0 UT

Well I.D.	MW-12-20			
	Conc. (ug/L)			
Constituent	11/12/2015	3/14/2019	7/24/2019	11/18/2021
1,1,1-TCA	**1 J**	2.0 U	**1.2**	1.0 U
CFC-113	1 U	2.0 U	1.0 U	1.0 U
1,1-DCA	**0.383 J**	2.0 U	**0.73 J**	**0.72 J**
1,1-DCE	1 U	2.0 U	1.0 U	1.0 U
1,2-DCA	1 U	2.0 U	1.0 U	1.0 U
Benzene	1 U	2.0 U	1.0 U	1.0 U
Bromomethane	5 U	2.0 U	1.0 U	1.0 U
Chloroethane	2 U	2.0 U	1.0 U	1.0 UT

Well I.D.	MW-12-28		
	Conc. (ug/L)		
Constituent	3/14/2019	7/26/2019	11/19/2021
1,1,1-TCA	**0.98 J**	1.0 U	1.0 U
CFC-113	1.0 U	1.0 U	1.0 U
1,1-DCA	1.0 U	1.0 U	1.0 U
1,1-DCE	1.0 U	1.0 U	1.0 U
1,2-DCA	1.0 U	1.0 U	1.0 U
Benzene	1.0 U	1.0 U	1.0 U
Bromomethane	1.0 U	1.0 U	1.0 U
Chloroethane	1.0 U	1.0 U	1.0 UT

Well I.D.	MW-12-27			
	Conc. (ug/L)			
Constituent	3/14/2019	7/25/2019	11/18/2021	
1,1,1-TCA	1.0 U	1.0 U	1.0 U	
CFC-113	1.0 U	1.0 U	1.0 U	
1,1-DCA	1.0 U	1.0 U	1.0 U	
1,1-DCE	1.0 U	1.0 U	1.0 U	
1,2-DCA	1.0 U	1.0 U	1.0 U	
Benzene	1.0 U	**1.3**	1.0 U	
Bromomethane	1.0 U	1.0 U	1.0 U	
Chloroethane	1.0 U	1.0 U	1.0 UT	

Well I.D.	MW-12-11				
	Conc. (ug/L)				
Constituent	11/5/2013	11/13/2015	3/14/2019	7/23/2019	11/18/2021
1,1,1-TCA	**140 D**	**180 J**	**140**	**110**	**160**
CFC-113	**7.3 D**	**11**	**8.8**	**4.4**	**9.3**
1,1-DCA	**34 D**	**51**	**29**	**31**	**38**
1,1-DCE	**2.93 J**	**5.7**	**3.1**	**4.8**	**4.4 J**
1,2-DCA	4 UD	2 U	2.0 U	2.0 U	5.0 U
Benzene	4 UD	2 UJ	2.0 U	2.0 U	5.0 U
Bromomethane	8 UJ	4 U	2.0 U	2.0 U	5.0 U
Chloroethane	8 UD	4 U	2.0 U	2.0 U	5.0 U

Well I.D.	MW-12-08				
	Conc. (ug/L)				
Constituent	11/5/2015	11/12/2015	3/14/2019	7/24/2019	11/19/2021
1,1,1-TCA	**2.9**	**3.8 J**	**7.8**	**6.9**	**4.0**
CFC-113	1 U	1 U	1.0 U	1.0 U	1.0 U
1,1-DCA	**2.7**	**4.5**	**2.8**	**8.0**	**7.0**
1,1-DCE	1 U	1 U	1.0 U	1.0 U	1.0 U
1,2-DCA	1 U	1 U	1.0 U	1.0 U	1.0 U
Benzene	1 U	1 UJ	1.0 U	1.0 U	1.0 U
Bromomethane	2 UJ	5 U	1.0 U	1.0 U	1.0 U
Chloroethane	2 U	2 U	1.0 U	1.0 U	1.0 UT

Well I.D.	MW-12-10				
	Conc. (ug/L)				
Constituent	11/6/2013	11/13/2015	3/14/2019	7/24/2019	11/18/2021
1,1,1-TCA	**48**	**18 J**	**17**	**23**	**38**
CFC-113	**6.7**	**1.7**	**2.9**	**3.1**	**14**
1,1-DCA	**16**	**8**	**6.2**	**6.5**	**12**
1,1-DCE	**0.217 J**	1 U	1.0 U	1.0 U	1.0 U
1,2-DCA	1 U	1 U	1.0 U	1.0 U	1.0 U
Benzene	1 U	1 UJ	1.0 U	1.0 U	1.0 U
Bromomethane	2 UJ	5 U	1.0 U	1.0 U	1.0 U
Chloroethane	2 U	2 U	1.0 U	1.0 U	1.0 UT

Well I.D.	MW-12-04					
	Conc. (ug/L)					
Constituent	12/5/2012	11/5/2013	11/12/2015	3/14/2019	7/24/2019	11/19/2021
1,1,1-TCA	**30**	**75 D**	**70**	**34**	**110**	**54**
CFC-113	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U
1,1-DCA	**61**	**110 D**	**120**	**54**	**150**	**120**
1,1-DCE	**1 J**	**1.65 J**	**1.72 J**	**0.48 J**	**3.3 J**	2.0 U
1,2-DCA	**1 J**	5 UD	2 U	1.0 U	4.0 U	2.0 U
Benzene	1 U	5 UD	2 U	1.0 U	4.0 U	2.0 U
Bromomethane	2 U	10 UJ	10 U	2.0 U	4.0 U	2.0 U
Chloroethane	**5**	10 UD	**7.8**	**4.8**	**72**	**31 JH**

Well I.D.	MW-12-07					
	Conc. (ug/L)					
Constituent	12/6/2012	11/5/2013	11/13/2015	3/14/2019	7/23/2019	11/19/2021
1,1,1-TCA	**960**	**510 D**	**550 J**	**410**	**490**	**380**
CFC-113	**72**	**48 D**	**44**	**42**	**75**	**38**
1,1-DCA	**300**	**190 D**	**260**	**130**	**140**	**120**
1,1-DCE	**36**	**14.8 J**	**19**	**11**	**17**	**9.4**
1,2-DCA	**1 J**	25 UD	5 U	8.0 U	8.0 U	8.0 U
Benzene	1 U	25 UD	5 UJ	8.0 U	8.0 U	8.0 U
Bromomethane	2 U	50 UJ	25 U	8.0 U	8.0 U	8.0 U
Chloroethane	2 U	50 UD	10 U	8.0 U	8.0 U	8.0 UT

Well I.D.	MW-12-12					
	Conc. (ug/L)					
Constituent	11/5/2013	11/12/2015	3/14/2019	7/24/2019	11/19/2021	
1,1,1-TCA	**380 D**	**720 J**	**790**	**720**	**75**	
CFC-113	25 UD	**4.62 J**	20 U	**16 J**	8.0 U	
1,1-DCA	**600 D**	**1400**	**1200**	**1000**	**460**	
1,1-DCE	**7.17 J**	**12**	**11 J**	**24**	8.0 U	
1,2-DCA	25 UD	5 U	20 U	20 U	8.0 U	
Benzene	25 UD	5 UJ	20 U	20 U	8.0 U	
Bromomethane	50 UJ	25 U	20 U	20 U	8.0 U	
Chloroethane	50 UD	**2.24 J**	20 U	20 U	8.0 UT	

Well I.D.	MW-12-09			
	Conc. (ug/L)			
Constituent	11/6/2013	11/13/2015	11/18/2021	
1,1,1-TCA	1 U	1 UJ	1.0 U	
CFC-113	1 U	1 U	1.0 U	
1,1-DCA	1 U	1 U	1.0 U	
1,1-DCE	1 U	1 U	1.0 U	
1,2-DCA	1 U	1 U	1.0 U	
Benzene	1 U	1 UJ	1.0 U	
Bromomethane	2 UJ	5 U	1.0 U	
Chloroethane	2 U	2 U	1.0 UT	

Well I.D.	TW12-02		
	Conc. (ug/L)		
Constituent	12/6/2012	3/14/2019	
1,1,1-TCA	**330**	**37**	
CFC-113	**6.2**	1.0 U	
1,1-DCA	**73**	**1.4**	
1,1-DCE	**13**	**0.86 J**	
1,2-DCA	**3 J**	1.0 U	
Benzene	1 U	1.0 U	
Bromomethane	2 U	1.0 U	
Chloroethane	2 U	1.0 U	

Well I.D.	MW-12-06			
	Conc. (ug/L)			
Constituent	12/5/2012	11/5/2013	11/13/2015	11/18/2021
1,1,1-TCA	1 U	1 U	1 UJ	1.0 U
CFC-113	1 U	1 U	1 U	1.0 U
1,1-DCA	1 U	1 U	1 U	1.0 U
1,1-DCE	1 U	1 U	1 U	1.0 U
1,2-DCA	1 U	1 U	1 U	1.0 U
Benzene	1 U	1 U	1 UJ	1.0 U
Bromomethane	2 U	2 U	5 U	1.0 U
Chloroethane	2 U	2 U	2 U	1.0 UT

Well I.D.	MW-12-05				
	Conc. (ug/L)				
Constituent	12/7/2012	11/6/2013	11/12/2015	11/17/2021	
1,1,1-TCA	1 U	1 U	1 U	1.0 U	
CFC-113	1 U	1 U	1 U	1.0 U	
1,1-DCA	1 U	1 U	1 U	1.0 U	
1,1-DCE	1 U	1 U	1 U	1.0 U	
1,2-DCA	1 U	1 U	1 U	1.0 U	
Benzene	**3 J**	1 U	1 U	1.0 U	
Bromomethane	2 U	**3.2 J**	5 U	1.0 U	
Chloroethane	2 U	2 U	2 U	1.0 U	

Well I.D.	MW-12-15			
	Conc. (ug/L)			
Constituent	2/27/2014	11/13/2015	11/17/2021	
1,1,1-TCA	1 U	1 UJ	1.0 U	
CFC-113	1 U	1 U	1.0 U	
1,1-DCA	1 U	1 U	1.0 U	
1,1-DCE	1 U	1 U	1.0 U	
1,2-DCA	1 U	1 U	1.0 U	
Benzene	**0.266 J**	**0.499 J**	**0.45 J**	
Bromomethane	2 U	5 U	1.0 U	
Chloroethane	2 U	2 U	1.0 U	

Well I.D.	MW-3				
	Conc. (ug/L)				
Constituent	12/6/2012	11/5/2013	11/13/2015	11/17/2021	
1,1,1-TCA	1 U	1 U	1 UJ	1.0 U	
CFC-113	1 U	1 U	1 U	1.0 U	
1,1-DCA	1 U	1 U	1 UJ	1.0 U	
1,1-DCE	1 U	1 U	1 UJ	1.0 U	
1,2-DCA	1 U	1 U	1 U	1.0 U	
Benzene	1 U	1 U	1 U	1.0 U	
Bromomethane	2 UJ	2 U	2 U	**1.1**	
Chloroethane	2 U	2 U	2 U	1.0 U	

Well I.D.	MW-12-13			
	Conc. (ug/L)			
Constituent	2/27/2014	11/13/2015	11/17/2021	
1,1,1-TCA	1 U	1 UJ	1.0 U	
CFC-113	1 U	1 U	1.0 U	
1,1-DCA	1 U	1 U	1.0 UJ	
1,1-DCE	1 U	1 U	1.0 U	
1,2-DCA	1 U	1 U	1.0 U	
Benzene	**0.445 J**	1 UJ	1.0 U	
Bromomethane	2 U	5 U	1.0 U	
Chloroethane	2 U	2 U	1.0 UT	

Well I.D.	MW-2					
	Conc. (ug/L)					
Constituent	12/6/2012	11/5/2013	11/13/2015	3/14/2019	7/25/2019	11/17/2021
1,1,1-TCA	**41**	**76 D**	**14 J**	**230**	**78**	**42**
CFC-113	**1 J**	10 UD	4 U	10 U	10 U	5.0 U
1,1-DCA	**260**	**350 D**	**94**	**560**	**250**	**210 J**
1,1-DCE	**1 J**	10 UD	4 U	10 U	**3.6 J**	5.0 U
1,2-DCA	**3 J**	10 UD	4 U	10 U	10 U	5.0 U
Benzene	1 U	10 UD	4 U	10 U	10 U	5.0 U
Bromomethane	2 U	20 U	20 U	10 U	10 U	5.0 U
Chloroethane	**17**	20 UD	**4.37**	**9.9 J**	**12**	5.0 UT

Well I.D.	MW-1					
	Conc. (ug/L)					
Constituent	12/6/2012	11/5/2013	11/13/2015	3/14/2019	7/25/2019	11/17/2021
1,1,1-TCA	**1 J**	1 U	1 UJ	1.0 U	1.0 U	1.0 U
CFC-113	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1,1-DCA	**1 J**	1 U	1 U	1.0 U	1.0 U	1.0 U
1,1-DCE	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
1,2-DCA	1 U	1 U	1 U	1.0 U	1.0 U	1.0 U
Benzene	**1 J**	1 U	1 UJ	1.0 U	1.0 U	1.0 U
Bromomethane	2 U	2 U	5 U	1.0 U	1.0 U	1.0 U
Chloroethane	2 U	2 U	2 U	1.0 U	1.0 U	1.0 U

Well I.D.	MW-12-01					
	Conc. (ug/L)					
Constituent	12/7/2012	11/6/2013	11/11/2015	3/14/2019	11/17/2021	
1,1,1-TCA	1 U	1 U	1 U	1.0 U	1.0 U	
CFC-113	1 U	1 U	1 U	1.0 U	1.0 U	
1,1-DCA	1 U	1 U	1 U	1.0 U	1.0 U	
1,1-DCE	1 U	1 U	1 U	1.0 U	1.0 U	
1,2-DCA	1 U	1 U	1 U	1.0 U	1.0 U	
Benzene	**1 J**	**0.15 J**	1 U	1.0 U	1.0 U	
Bromomethane	2 U	2 U	5 U	1.0 U	1.0 U	
Chloroethane	2 U	2 U	2 U	1.0 U	1.0 U	

BEDROCK MONITORING WELL

SOIL BORING / TEMPORARY MONITORING WELL

PROPERTY / OU-1 BOUNDARY

FORMER MANUFACTURING BUILDING

Notes
- U - Compound was not detected at or above the detection limit.
- J - Detected concentration is at or above the detection limit but below the reporting limit and is an estimated value.

0 40 80 Feet

VOCs DETECTED IN SHALLOW BEDROCK GROUNDWATER

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

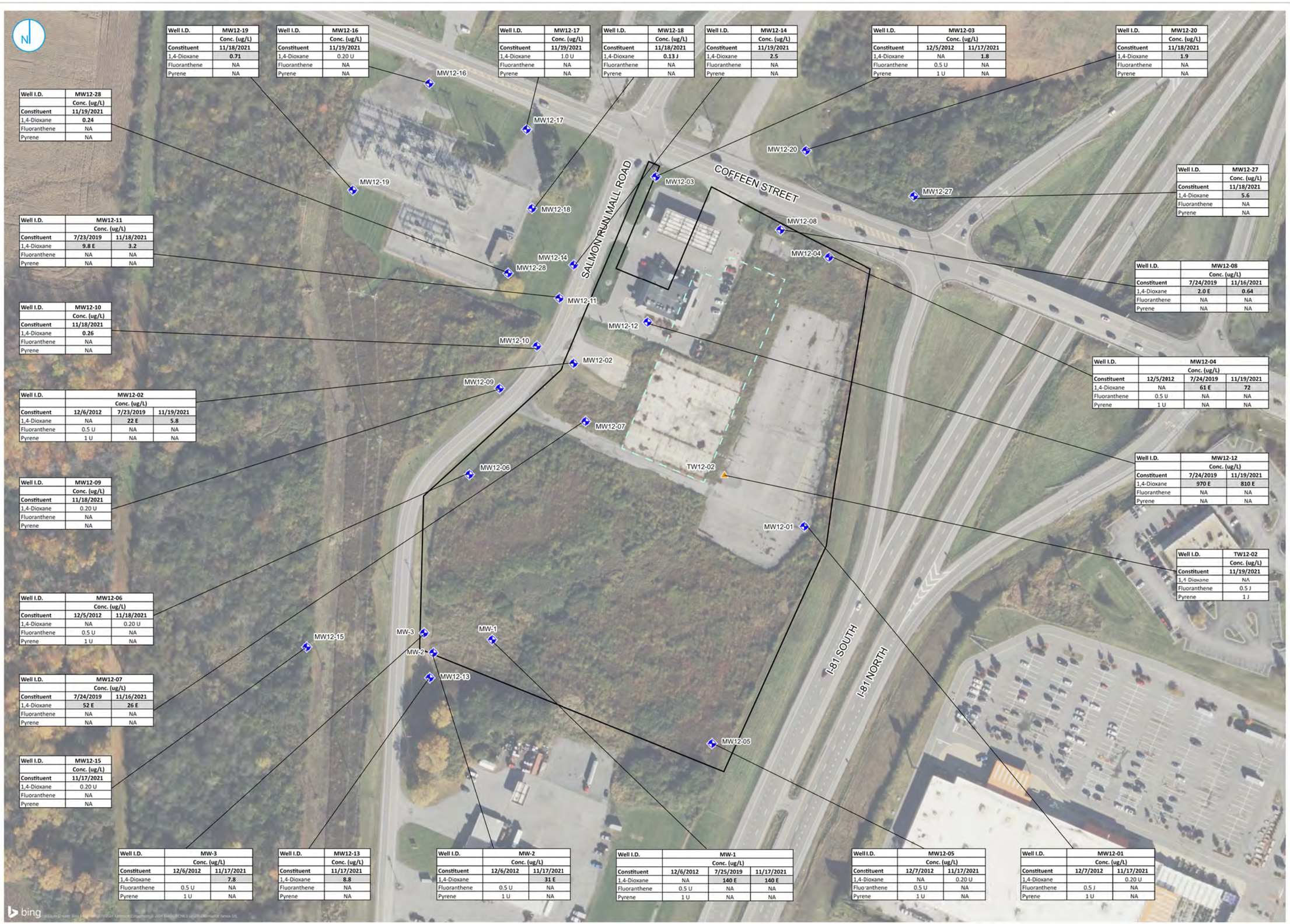
FIGURE 5-3A

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

bing
Microsoft Bing | © 2024 TomTom, © 2024 Microsoft Corporation, © 2024 Maxar, ©CNES (2024) Distribution Airbus DS

K:\NYS-DEC\ 108791\5\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023\Bomax_RI_2023.aprx\Figure_5-3A_VOCs_Shallow_GW
PROJECT: 194101317 | DATED: 4/17/2024 | DESIGNER: SSCULE



Well I.D.	MW12-19
	Conc. (ug/L)
Constituent	11/18/2021
1,4-Dioxane	0.71
Fluoranthene	NA
Pyrene	NA

Well I.D.	MW12-16
	Conc. (ug/L)
Constituent	11/19/2021
1,4-Dioxane	0.20 U
Fluoranthene	NA
Pyrene	NA

Well I.D.	MW12-17
	Conc. (ug/L)
Constituent	11/19/2021
1,4-Dioxane	1.0 U
Fluoranthene	NA
Pyrene	NA

Well I.D.	MW12-18
	Conc. (ug/L)
Constituent	11/18/2021
1,4-Dioxane	0.13 J
Fluoranthene	NA
Pyrene	NA

Well I.D.	MW12-14
	Conc. (ug/L)
Constituent	11/19/2021
1,4-Dioxane	2.5
Fluoranthene	NA
Pyrene	NA

Well I.D.	MW12-03	
	Conc. (ug/L)	
Constituent	12/5/2012	11/17/2021
1,4-Dioxane	NA	1.8
Fluoranthene	0.5 U	NA
Pyrene	1 U	NA

Well I.D.	MW12-20
	Conc. (ug/L)
Constituent	11/18/2021
1,4-Dioxane	1.9
Fluoranthene	NA
Pyrene	NA

Well I.D.	MW12-28
	Conc. (ug/L)
Constituent	11/19/2021
1,4-Dioxane	0.24
Fluoranthene	NA
Pyrene	NA

Well I.D.	MW12-27
	Conc. (ug/L)
Constituent	11/18/2021
1,4-Dioxane	5.6
Fluoranthene	NA
Pyrene	NA

Well I.D.	MW12-11	
	Conc. (ug/L)	
Constituent	7/23/2019	11/18/2021
1,4-Dioxane	9.8 E	3.2
Fluoranthene	NA	NA
Pyrene	NA	NA

Well I.D.	MW12-08	
	Conc. (ug/L)	
Constituent	7/24/2019	11/16/2021
1,4-Dioxane	2.0 E	0.64
Fluoranthene	NA	NA
Pyrene	NA	NA

Well I.D.	MW12-10
	Conc. (ug/L)
Constituent	11/18/2021
1,4-Dioxane	0.26
Fluoranthene	NA
Pyrene	NA

Well I.D.	MW12-04		
	Conc. (ug/L)		
Constituent	12/5/2012	7/24/2019	11/19/2021
1,4-Dioxane	NA	61 E	72
Fluoranthene	0.5 U	NA	NA
Pyrene	1 U	NA	NA

Well I.D.	MW12-02		
	Conc. (ug/L)		
Constituent	12/6/2012	7/23/2019	11/19/2021
1,4-Dioxane	NA	22 E	5.8
Fluoranthene	0.5 U	NA	NA
Pyrene	1 U	NA	NA

Well I.D.	MW12-12	
	Conc. (ug/L)	
Constituent	7/24/2019	11/19/2021
1,4-Dioxane	970 E	810 E
Fluoranthene	NA	NA
Pyrene	NA	NA

Well I.D.	MW12-09
	Conc. (ug/L)
Constituent	11/18/2021
1,4-Dioxane	0.20 U
Fluoranthene	NA
Pyrene	NA

Well I.D.	TW12-02
	Conc. (ug/L)
Constituent	11/19/2021
1,4-Dioxane	NA
Fluoranthene	0.5 J
Pyrene	1 J

Well I.D.	MW12-06	
	Conc. (ug/L)	
Constituent	12/5/2012	11/18/2021
1,4-Dioxane	NA	0.20 U
Fluoranthene	0.5 U	NA
Pyrene	1 U	NA

Well I.D.	MW12-07	
	Conc. (ug/L)	
Constituent	7/24/2019	11/16/2021
1,4-Dioxane	52 E	26 E
Fluoranthene	NA	NA
Pyrene	NA	NA

Well I.D.	MW12-15
	Conc. (ug/L)
Constituent	11/17/2021
1,4-Dioxane	0.20 U
Fluoranthene	NA
Pyrene	NA

Well I.D.	MW-3	
	Conc. (ug/L)	
Constituent	12/6/2012	11/17/2021
1,4-Dioxane		7.8
Fluoranthene	0.5 U	NA
Pyrene	1 U	NA

Well I.D.	MW12-13
	Conc. (ug/L)
Constituent	11/17/2021
1,4-Dioxane	8.8
Fluoranthene	NA
Pyrene	NA

Well I.D.	MW-2	
	Conc. (ug/L)	
Constituent	12/6/2012	11/17/2021
1,4-Dioxane		31 E
Fluoranthene	0.5 U	NA
Pyrene	1 U	NA

Well I.D.	MW-1		
	Conc. (ug/L)		
Constituent	12/6/2012	7/25/2019	11/17/2021
1,4-Dioxane	NA	140 E	140 E
Fluoranthene	0.5 U	NA	NA
Pyrene	1 U	NA	NA

Well I.D.	MW12-05	
	Conc. (ug/L)	
Constituent	12/7/2012	11/17/2021
1,4-Dioxane	NA	0.20 U
Fluoranthene	0.5 U	NA
Pyrene	1 U	NA

Well I.D.	MW12-01	
	Conc. (ug/L)	
Constituent	12/7/2012	11/17/2021
1,4-Dioxane		0.20 U
Fluoranthene	0.5 J	NA
Pyrene	1 U	NA

BEDROCK MONITORING WELL
SOIL BORING / TEMPORARY MONITORING WELL
PROPERTY / OU-1 BOUNDARY
FORMER MANUFACTURING BUILDING

Notes
- U - Compound was not detected at or above the detection limit.
- J - Detected concentration is at or above the detection limit but below the reporting limit and is an estimated value.

0 40 80
Feet

SVOCs DETECTED IN SHALLOW BEDROCK GROUNDWATER

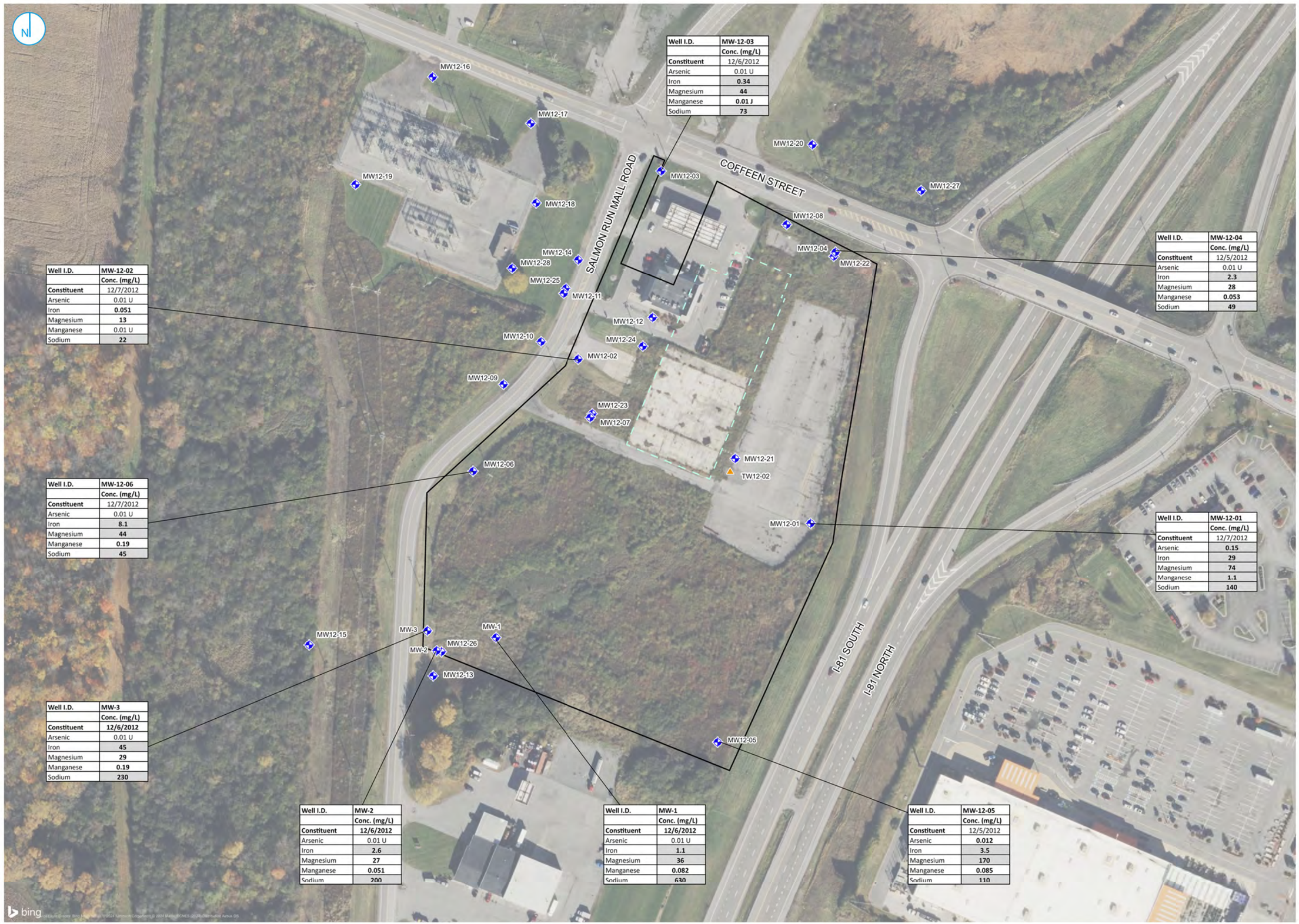
NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 5-3B

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-JEC\-1087815\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023.aprx\Figure_5-3B_SVOCs_Shallow_GW
PROJECT: 1940191317 | DATED: 4/17/2024 | DESIGNER: SSCOLE



Well I.D.	MW-12-03
	Conc. (mg/L)
Constituent	12/6/2012
Arsenic	0.01 U
Iron	**0.34**
Magnesium	**44**
Manganese	**0.01 J**
Sodium	**73**

Well I.D.	MW-12-02
	Conc. (mg/L)
Constituent	12/7/2012
Arsenic	0.01 U
Iron	**0.051**
Magnesium	**13**
Manganese	0.01 U
Sodium	**22**

Well I.D.	MW-12-04
	Conc. (mg/L)
Constituent	12/5/2012
Arsenic	0.01 U
Iron	**2.3**
Magnesium	**28**
Manganese	**0.053**
Sodium	**49**

Well I.D.	MW-12-06
	Conc. (mg/L)
Constituent	12/7/2012
Arsenic	0.01 U
Iron	**8.1**
Magnesium	**44**
Manganese	**0.19**
Sodium	**45**

Well I.D.	MW-12-01
	Conc. (mg/L)
Constituent	12/7/2012
Arsenic	**0.15**
Iron	**29**
Magnesium	**74**
Manganese	**1.1**
Sodium	**140**

Well I.D.	MW-3
	Conc. (mg/L)
Constituent	**12/6/2012**
Arsenic	0.01 U
Iron	**45**
Magnesium	**29**
Manganese	**0.19**
Sodium	**230**

Well I.D.	MW-2
	Conc. (mg/L)
Constituent	**12/6/2012**
Arsenic	0.01 U
Iron	**2.6**
Magnesium	**27**
Manganese	**0.051**
Sodium	**200**

Well I.D.	MW-1
	Conc. (mg/L)
Constituent	**12/6/2012**
Arsenic	0.01 U
Iron	**1.1**
Magnesium	**36**
Manganese	**0.082**
Sodium	**630**

Well I.D.	MW-12-05
	Conc. (mg/L)
Constituent	12/5/2012
Arsenic	**0.012**
Iron	**3.5**
Magnesium	**170**
Manganese	**0.085**
Sodium	**110**

BEDROCK MONITORING WELL

SOIL BORING / TEMPORARY MONITORING WELL

PROPERTY / OU-1 BOUNDARY

FORMER MANUFACTURING BUILDING

Notes
- U - Compound was not detected at or above the detection limit.
- J - Detected concentration is at or above the detection limit but below the reporting limit and is an estimated value.

0 40 80 Feet

INORGANICS EXCEEDING CLASS GA SCGs IN SHALLOW BEDROCK GROUNDWATER

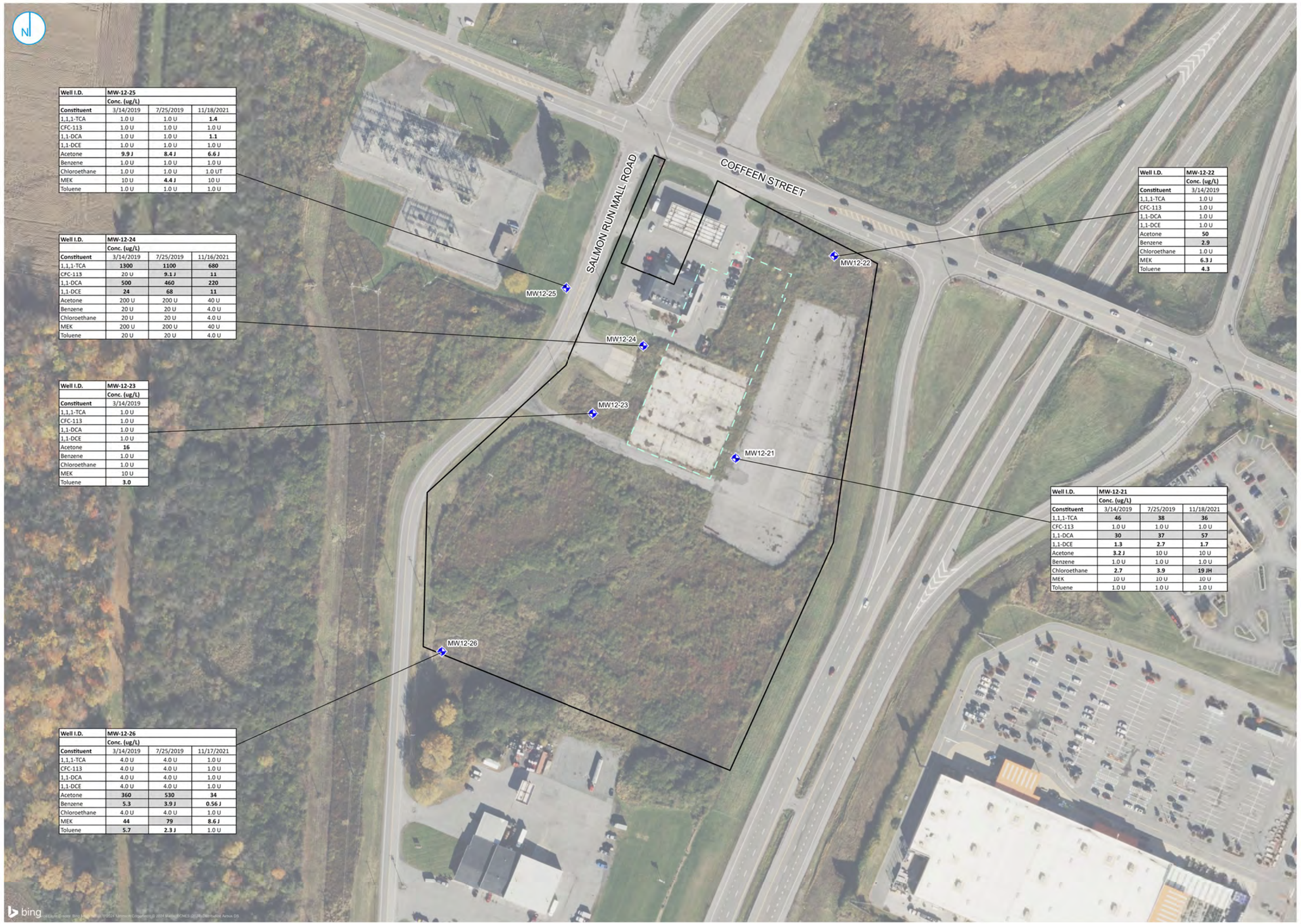
NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 5-3C

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS.DEC.1987815\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023.aprx\Figure_5-3C_Inorganics_Shallow_GW
PROJECT: 1940101337 | DATED: 4/17/2024 | DESIGNER: SISOULE



Well I.D.	MW-12-25		
	Conc. (ug/L)		
Constituent	3/14/2019	7/25/2019	11/18/2021
1,1,1-TCA	1.0 U	1.0 U	**1.4**
CFC-113	1.0 U	1.0 U	1.0 U
1,1-DCA	1.0 U	1.0 U	**1.1**
1,1-DCE	1.0 U	1.0 U	1.0 U
Acetone	**9.9 J**	**8.4 J**	**6.6 J**
Benzene	1.0 U	1.0 U	1.0 U
Chloroethane	1.0 U	1.0 U	1.0 UT
MEK	10 U	**4.4 J**	10 U
Toluene	1.0 U	1.0 U	1.0 U

Well I.D.	MW-12-24		
	Conc. (ug/L)		
Constituent	3/14/2019	7/25/2019	11/16/2021
1,1,1-TCA	**1300**	**1100**	**680**
CFC-113	20 U	**9.1 J**	**11**
1,1-DCA	**500**	**460**	**220**
1,1-DCE	**24**	**68**	**11**
Acetone	200 U	200 U	40 U
Benzene	20 U	20 U	4.0 U
Chloroethane	20 U	20 U	4.0 U
MEK	200 U	200 U	40 U
Toluene	20 U	20 U	4.0 U

Well I.D.	MW-12-23
	Conc. (ug/L)
Constituent	3/14/2019
1,1,1-TCA	1.0 U
CFC-113	1.0 U
1,1-DCA	1.0 U
1,1-DCE	1.0 U
Acetone	**16**
Benzene	1.0 U
Chloroethane	1.0 U
MEK	10 U
Toluene	**3.0**

Well I.D.	MW-12-22
	Conc. (ug/L)
Constituent	3/14/2019
1,1,1-TCA	1.0 U
CFC-113	1.0 U
1,1-DCA	1.0 U
1,1-DCE	1.0 U
Acetone	**50**
Benzene	**2.9**
Chloroethane	1.0 U
MEK	**6.3 J**
Toluene	**4.3**

Well I.D.	MW-12-21		
	Conc. (ug/L)		
Constituent	3/14/2019	7/25/2019	11/18/2021
1,1,1-TCA	**46**	**38**	**36**
CFC-113	1.0 U	1.0 U	1.0 U
1,1-DCA	**30**	**37**	**57**
1,1-DCE	**1.3**	**2.7**	**1.7**
Acetone	**3.2 J**	10 U	10 U
Benzene	1.0 U	1.0 U	1.0 U
Chloroethane	**2.7**	**3.9**	**19 JH**
MEK	10 U	10 U	10 U
Toluene	1.0 U	1.0 U	1.0 U

Well I.D.	MW-12-26		
	Conc. (ug/L)		
Constituent	3/14/2019	7/25/2019	11/17/2021
1,1,1-TCA	4.0 U	4.0 U	1.0 U
CFC-113	4.0 U	4.0 U	1.0 U
1,1-DCA	4.0 U	4.0 U	1.0 U
1,1-DCE	4.0 U	4.0 U	1.0 U
Acetone	**360**	**530**	**34**
Benzene	**5.3**	**3.9 J**	**0.56 J**
Chloroethane	4.0 U	4.0 U	1.0 U
MEK	**44**	**79**	**8.6 J**
Toluene	**5.7**	**2.3 J**	1.0 U

BEDROCK MONITORING WELL
PROPERTY / OU-1 BOUNDARY
FORMER MANUFACTURING BUILDING

Notes
- U - Compound was not detected at or above the detection limit.
- J - Detected concentration is at or above the detection limit but below the reporting limit and is an estimated value.

0 40 80
Feet

VOCs EXCEEDING CLASS GA SCGs IN DEEPER BEDROCK GROUNDWATER

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 5-4A

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

K:\NYS-DEC\1087815\Standards\GIS\Former_Bomax\PRO\Bomax_RI_2023.aprx\Figure_5-4A_VOCs_Deep_GW

PROJECT: 1940101317 | DATED: 4/17/2024 | DESIGNER: BSOULE



BEDROCK MONITORING WELL
PROPERTY / OU-1 BOUNDARY
FORMER MANUFACTURING BUILDING

Notes
- U - Compound was not detected at or above the detection limit.

0 40 80 Feet

1,4-DIOXANE EXCEEDING CLASS GA SCGs IN DEEPER BEDROCK GROUNDWATER

NYSDEC Site #623009
Former Bomax Manufacturing Site
Town of Watertown, New York

FIGURE 5-4B

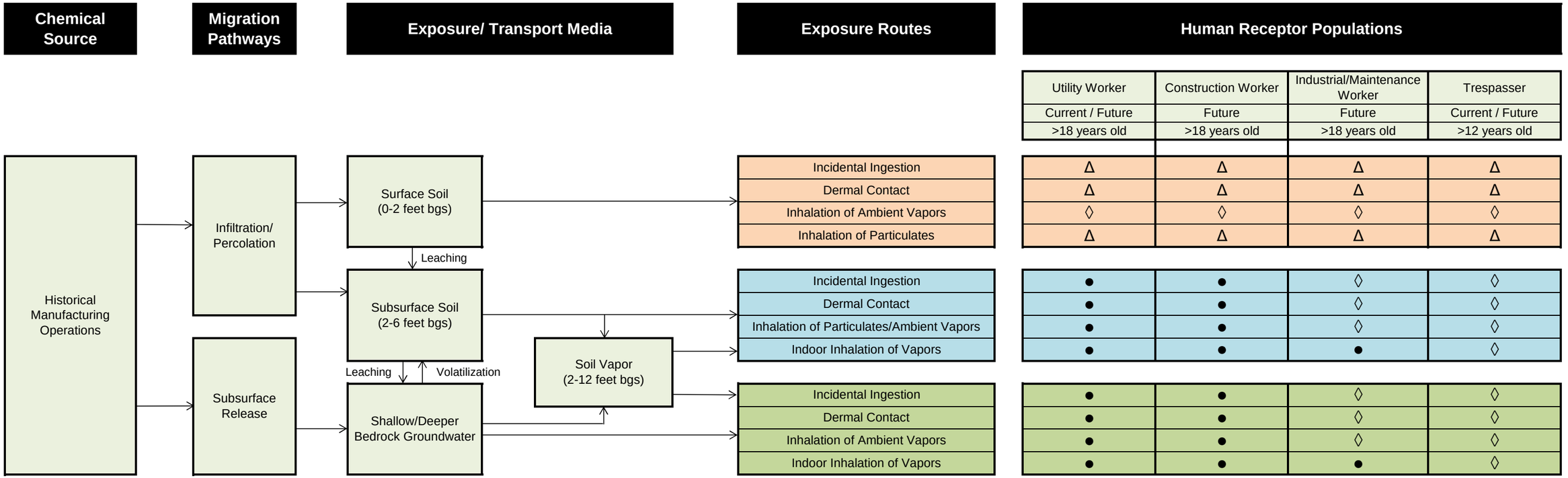
RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC.
A RAMBOLL COMPANY

RAMBOLL

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PROJECT: 1940101317 | DATED: 4/17/2024 | DESIGNER: SISOULE

Figure 8-1
Human Health Conceptual Site Model
Former Bomax Manuafcturing Site
Town of Watertown, New York



Utility Worker	Construction Worker	Industrial/Maintenance Worker	Trespasser
Current / Future	Future	Future	Current / Future
>18 years old	>18 years old	>18 years old	>12 years old
Δ	Δ	Δ	Δ
Δ	Δ	Δ	Δ
◊	◊	◊	◊
Δ	Δ	Δ	Δ
●	●	◊	◊
●	●	◊	◊
●	●	◊	◊
●	●	●	◊
●	●	◊	◊
●	●	◊	◊
●	●	◊	◊
●	●	●	◊

Notes:
● : Complete or potentially complete exposure pathway
◊ : Incomplete exposure pathway
Δ: Exposure may occur, however no COCs are present in this exposure medium; therefore, the exposure pathway is incomplete.

Appendix A

Site Investigation Summary Report (NYSDEC/NYSDOH, April 2007)

Site Investigation Summary Report

Vapor Intrusion Evaluations for New York State Remedial Sites

Bomax Manufacturing, Inc.

NYSDEC Site # 6-23-009

City of Watertown
Jefferson County

NYSDEC Project Manager: Lincoln Fancher

NYSDOH Project Manager: Beth Guidetti

April 2007

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Attachments

Attachment A : URS Corp. Soil Vapor Intrusion Evaluation Letter Report, November 2006.

Executive Summary

A preliminary soil vapor investigation was conducted at the Bomax Manufacturing Inc. site, NYSDEC Site ID # 6-23-009, City of Watertown, Jefferson County, NY in July 2006. A total of four (4) direct-push borings were used to collect groundwater grab samples. Additionally, ten (10) direct push shallow soil vapor samples were collected from the vicinity of the site. Based on the information developed during this preliminary investigation, the New York State Department of Environmental Conservation, (NYSDEC), in consultation with the New York State Department of Health (NYSDOH), has determined that:

Additional investigation, including structure sampling and potential contaminant source removal is recommended at this time to fully address the soil vapor intrusion exposure pathway. A full scale remedial investigation and feasibility study should be undertaken to further define the potential for vapor intrusion as well as address contamination of site soils and groundwater, as well as the possibility of offsite migration of site related contaminants.

1. Site Background and Status

Although the soil vapor pathway has been historically evaluated at New York State sites, improvements in analytical techniques and knowledge gained from sites in New York and in other states has lead to a more complete understanding of soil vapor as an environmental media of concern. Based on this additional information, New York has re-evaluated previous assumptions and decisions regarding the potential for vapor intrusion at sites. To this effort, the State has conducted a limited soil vapor investigation at the site to evaluate the vapor intrusion pathway. The Bomax site is currently listed as a Class 2 site and is a candidate for a Remedial Investigation and Feasibility Study.

1.1 Site Description

The site is located in the City of Watertown, on Coffeen St., Jefferson County, New York, and is in an area of commercial/industrial properties. The area is served by public water supply, and is not near any residential properties.

The site consists of two parcels. The first is approximately 5.49 acres and contains the Bomax Facility buildings. This parcel is identified as 82.01-1-17, and is bounded by Coffeen St. to the North, Salmon Run Mall Rd. to the west, and Rt. 81 to the east. Adjoining this parcel to the south is vacant land identified as parcel 82.01.1-16. This parcel is approximately 6.5 acres and is bounded on the south by a light industrial facility and yard.

The Bomax facility operated as a small motor manufacturing plant. Floor drains in the manufacturing building were piped directly into a septic tank located at the southern end of the vacant parcel, approximately 420 feet south-southwest of the building. Excess or waste solvents were routinely disposed of in these floor drains.

In addition to the septic tank and associated leach field, an underground storage tank (used to store mixed solvents) was located on the west side of the manufacturing building, in the vicinity of the loading docks. This tank was excavated along with some visibly contaminated soils in the late 1980's. Contaminated soils were stockpiled on site, and later placed in drums and stored in the parking lot to the southeast of the Bomax building. This area was reputed to have been used for historical staging/storing of drums which may have contained solvents.

1.2 Site Corrective Actions

In the late 1980's, Bomax excavated some of the soils in the area of the underground solvent storage tank, and stockpiled the soils onsite. Prior to going out of business, Bomax removed approximately 69 tons of contaminated soil and 134 drums of waste

from the site. Bomax subsequently ran out of funding for removal activities and so in 1991, State Superfund money was used to complete the required clean-up work. An additional 24 tons of contaminated soil was excavated under the Superfund program.

The site remains contaminated with various solvents and petroleum compounds. , The primary constituents of concern at the site are PCE, TCE and associated degradation products, 1,2-DCE and vinyl chloride, and to a lesser degree 1,1,1-TCA and Freon 113.

1.3 Site Geology and Groundwater Flow

The site exhibits little relief with an elevation change across the site of less than 20 feet. Soils on site are very fine sands and clayey silts. This overburden unit is thin and extends only 3-6 feet below grade. Below this overburden unit lies limestone bedrock of the Kirkfield and Rockland formations (Trenton Group). Underlying the Trenton limestones is the Chaumont formation of the Black River Group. The Chaumont formation is susceptible to development of karst features. Locally the bedrock dips gently (1 to 2 degrees) to the south-southwest, away from the Black River.

Groundwater at the site is present in the shallow bedrock unit, and in some areas in the overburden. It is likely that a perched water table is present atop the bedrock unit, especially after precipitation events. The site is located on the crest of a gentle surface divide, with drainage diverging northward towards the Black River, and southward towards the Beaver Meadows (southwest of Watertown). Topographic lows present in the form of wetlands to the south and west of the site, and the road cut for Rt. 81 to the East, suggest a radial flow direction away from the site for the shallow or perched groundwater. Additionally, extensive development of shopping centers and the Salmon Run Mall in the nearby vicinity have altered drainage patterns and possibly groundwater flow directions to some extent. Regional groundwater flow is generally to the north towards the Black River, and this is the likely flow direction for deeper bedrock groundwater. Due to the proximity of the site to the surface drainage divide and multiple potential influences on the direction of groundwater flow, as well as the southerly dip of the bedrock layers and possible karst features at depth, the potential exists for any dense non-aqueous phase liquid migration in a direction different than that of groundwater flow.

2. Soil Vapor and Groundwater Investigation

2.1 Groundwater

A total of four (4) temporary groundwater monitoring wells were sampled as part of the investigation. Groundwater sampling was conducted on July 25, 2006. All groundwater samples were submitted to Mitkem Corp. of Warwick, Rhode Island, for laboratory

analysis of VOCs via USEPA Method 8260.

An attempt to collect a groundwater grab sample was made at all eleven (11) soil vapor sampling locations. Due to the shallow bedrock at 3-6 feet below grade, only four (4) locations yielded groundwater in sufficient quantity for sample collection. The borings were installed via geoprobe push technology and 3-inch macro core drilling tools in order to avoid compressing or smearing the soils around the boring walls.

Refer to Table 1 and Figure 1 for additional field sampling information regarding the groundwater investigation.

2.2 Soil Vapor

A total of ten (10) shallow soil vapor samples were collected from the vicinity of the site. One of the locations presented clay soils so tight that a vapor sample could not be pulled and this location (V-3) was abandoned. Soil vapor sampling was conducted on July 26 and 27, 2006. Soil vapor implants were installed at depths between 2.75 - 4.75 feet below grade.

Soil vapor samples were collected from temporary soil vapor points installed via geoprobe push technology and 3-inch macro core drilling tools in order to avoid compressing or smearing the soils around the boring walls. The soil vapor points were constructed using 6-inch sampling screens attached to dedicated laboratory grade polyethylene tubing. The borehole was backfilled with filter sand to a minimum of 6 inches above the sampling screen and bentonite chips were placed in a 6-inch flights above the filter pack. The bentonite was hydrated as it was placed into the borehole. A minimum of 24 hours was provided to allow the bentonite to sufficiently hydrate prior to sampling. Helium tracer gas was used to verify the integrity of the bentonite seal between the ground surface and the borehole sampling point. The soil vapor samples were collected over a 2-hour period into 6 liter Summa canisters and were submitted to Con-Test Analytical Laboratories of East Longmeadow, Massachussetts for laboratory analysis of Volatile Organic Compounds (VOCs) by USEPA Method TO-15.

In all locations, the water table or bedrock surface was shallow enough to limit vapor sampling to shallow points only.

Refer to Table 1 and Figure 2 for additional field sampling information regarding the soil vapor investigation.

3. Summary of Findings

3.1 Groundwater

The groundwater sampling findings are presented below. Refer to Table 2 and Figure 1 for a summary of the detected groundwater constituents.

In the overburden groundwater grab samples, site-related contaminants were detected in 3 of the 4 sample locations. Specifically;

- Tetrachloroethene (PCE) was detected in GW-5 at 570 J ppb (approximate).
- Trichloroethene (TCE) was detected in GW-5 at 15 J ppb (approximate), and GW-7 at 4 J ppb (approximate).
- 1,1,1-Trichloroethane (TCA) was detected in GW-1 at 12 ppb, GW-5 at 34,000 D ppb (diluted), and GW-7 at 1,800 D ppb (diluted).
- 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) was detected in GW-5 at 31,000 D ppb (diluted), and GW-7 at 430 D ppb (diluted).
- Sample GW-5 also had elevated levels of Ethylbenzene (2500 DJ ppb) and Xylene (11,000 DJ ppb).

No site-related contaminants were detected in the overburden groundwater sample GW-2 (location V-2).

3.2 Soil Vapor

The soil vapor sampling findings are presented below. All results are in micrograms per cubic meter (ug/m^3). Refer to Table 3 and Figure 2 for a summary of the detected soil vapor constituents.

- Tetrachloroethene (PCE) was detected in 7 out of 10 sample locations, ranging in concentration from 1.5 to 1,700 ug/m^3. The highest concentrations were in the vicinity of the former solvent UST.
- Trichloroethene (TCE) was detected in 5 out of 10 sample locations, ranging in concentration from 1.2 to 460 ug/m^3. The highest concentrations were in the vicinity of the former solvent UST.

- 1,1,1-Trichloroethane (TCA) was detected in 9 out of 10 sample locations, ranging in concentration from 0.6 to 67,000 ug/m^3. The highest concentrations were in the vicinity of the former solvent UST.

- Vinyl Chloride (VC) was detected in 1 out of 10 sample locations (V-6), at a concentration of 590 ug/m^3. This sample was in the vicinity of the loading docks.

- 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) was detected in 6 out of 10 sample locations, ranging in concentration from 0.9 to 350,000 ug/m^3. The highest concentrations were in the vicinity of the former solvent UST, and the loading docks.

- All soil vapor samples had elevated levels of BTEX compounds, most notably toluene and xylene.

5. Recommendations

Elevated (ppm-level) concentrations of site-related contaminants of concern (PCE, TCE, TCA and its degradation products, and Freon 113) were detected in the shallow groundwater and soil gas. Based on the distribution of the soil vapor and groundwater concentrations observed, and in accordance with the October 2006 NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, the **NYSDEC and NYSDOH recommend that further investigation of the contamination at this site be conducted. Specifically, the west side of the facility building and the leach field to the south should be targeted as source areas. Additional source areas could be the former drum storage area at the south end of the parking lot, and locations along the eastern side of the building. The Bomax site is a previously identified candidate for a remedial investigation/feasibility study. Results of the vapor intrusion evaluation support the need for an additional, comprehensive remedial investigation.**

TABLE 1

FIELD SAMPLING INFORMATION

Table 1
Site Sampling Summary
Bomax Manufacturing Site, Watertown, NY
Soil Vapor Intrusion Evaluation
Site # 6-23-009

Location ID	NYSDEC Sample ID	General Location/Comments	Sample Date	Depth to GW (ft bgs)	Depth to SG Implant Base (ft bgs)	Leak-Test Successful? (yes or no)	Start Vacuum (in. Hg)	End Vacuum (in. Hg)	Start Time	Stop Time	Duration (min)
Soil Vapor Samples											
623000-V-1	623009-V-1S	Center of building on easet side. Soil gas implant.	7/26/2006	<4	2.75	Yes	-26	-3	1814	1954	100
623009-V-2	623009-V-2S	Former drum storage area southeast of building. Soil gas implant.	7/26/2006	4.1	3.0	Yes	-30	-6	1832	1946	74
623009-V-3	Sample not analyzed-no vacuum loss. Tight soil.	In field south east of building. Soil gas implant.	7/26/2006	Not observed	6.0	Yes	-30	-30	1100	1625	325
623009-V-4	623009-V-4S	South of building at edge of driveway. Soil gas implant.	7/26/2006	4	3.75	Yes	-30.0	-3.0	1854	1906	12
623009-V-5	623009-V-5S	Southwest corner of building near former solvent/waste oil tank. Soil gas implant	7/27/2006	3.2	3.0	Yes	-22.5	-2.0	1009	1132	83
623009-V-6	623009-V-6S	Northwest corner of Building. Soil gas implant.	7/27/2006	Not observed	4.75	Yes	-30	-3.5	902	1040	98
623009-V-7	623009-V-7S / 20060727-FD-1 (Duplicate of 623009-V-7S)	West side of building near loading dock. Soil gas implant.	7/27/2006	3.1	3.0	Yes	-30	-10	945	1119	94
623009-V-8	623009-V-8S	Southwest of building along Salmon Run Mall Road. Soil gas implant.	7/27/2006	Not observed	4.8	Yes	-29.5	-1	1202	1214	12
623009-V-9	623009-V-9S	Northwest of septic tankl/leach field. Soil gas implant.	7/26/2006	Not observed	3.8	Yes	-30	-4	1530	1730	120
623009-V-10	623009-V-10S	Southeast of septic tankl/leach field. Soil gas implant.	7/26/2006	Not observed	3.8	Yes	-28	-4	1433	1557	84
623009-V-11	623009-V-11S	Northeast of septic tankl/leach field. Soil gas implant.	7/26/2006	Not observed	4.0	Yes	-25	-4	1508	1645	97
Groundwater Grab Samples from Soil Vapor Borings											
623009-V-1	623009-GW-1	Sample from top of the water table.	7/25/2006	<4	NA	NA	NA	NA	NA	NA	NA
623009-V-2	623009-GW-2/MS/MSD	Sample from top of the water table.	7/25/2006	4.1	NA	NA	NA	NA	NA	NA	NA
623009-V-5	623009-GW-5	Sample from top of the water table.	7/25/2006	3.2	NA	NA	NA	NA	NA	NA	NA
623009-V-7	623009-GW-7	Sample from top of the water table.	7/25/2006	3.1	NA	NA	NA	NA	NA	NA	NA

NA = Not Applicable
bgs = Below ground surface

TABLE 2

SUMMARY OF DETECTED CONSTITUENTS
GROUNDWATER ANALYTICAL DATA

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID			GW-01	GW-02	GW-05	GW-07
Sample ID			623009-GW-1	623009-GW-2	623009-GW-5	623009-GW-7
Matrix			Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-
Date Sampled			07/25/06	07/25/06	07/25/06	07/25/06
Parameter	**Units**	*				
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	5	12	5 U	34,000 D	1,800 D
1,1,2,2-Tetrachloroethane	UG/L	5	5 U	5 U	5 UJ	5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5	5 U	5 U	31,000 D	430 D
1,1,2-Trichloroethane	UG/L	1	5 U	5 U	5 UJ	4 J
1,1-Dichloroethane	UG/L	5	4 J	5 U	2,500 J	2,700 D
1,1-Dichloroethene	UG/L	5	5 U	5 U	5 UJ	130
1,2,4-Trichlorobenzene	UG/L	5	5 UJ	5 UJ	5 UJ	5 UJ
1,2-Dibromo-3-chloropropane	UG/L	0.04	5 UJ	5 UJ	5 UJ	5 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	0.006	5 U	5 U	5 UJ	5 U
1,2-Dichlorobenzene	UG/L	3	5 U	5 U	5 UJ	5 U
1,2-Dichloroethane	UG/L	0.6	5 U	5 U	19 J	15
1,2-Dichloroethene (cis)	UG/L	5	5 U	5 U	5 J	8
1,2-Dichloroethene (trans)	UG/L	5	5 U	5 U	5 UJ	5 U
1,2-Dichloropropane	UG/L	1	5 U	5 U	5 UJ	5 U
1,3-Dichlorobenzene	UG/L	3	5 U	5 U	5 UJ	5 U
1,3-Dichloropropene (cis)	UG/L	0.4	5 U	5 U	5 UJ	5 U
1,3-Dichloropropene (trans)	UG/L	0.4	5 U	5 U	5 UJ	5 U
1,4-Dichlorobenzene	UG/L	3	5 U	5 U	5 UJ	5 U
2-Hexanone	UG/L	50	5 U	5 U	5 UJ	5 U
4-Methyl-2-pentanone	UG/L	50	5 U	5 U	5 UJ	5 U
Acetone	UG/L	50	5 U	5 U	5 UJ	5 U
Benzene	UG/L	1	5 U	5 U	1 J	5 U

*- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds

Made By AMK 10/24/06

Checked By JJL 10/24/06

Detection Limits shown are PQL

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TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID			GW-01	GW-02	GW-05	GW-07
Sample ID			623009-GW-1	623009-GW-2	623009-GW-5	623009-GW-7
Matrix			Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-
Date Sampled			07/25/06	07/25/06	07/25/06	07/25/06
Parameter	**Units**	*				
Volatile Organic Compounds						
Bromodichloromethane	UG/L	50	5 U	5 U	5 UJ	5 U
Bromoform	UG/L	50	5 U	5 U	5 UJ	5 U
Bromomethane	UG/L	5	5 U	5 U	5 UJ	5 U
Carbon disulfide	UG/L	60	5 U	5 U	5 UJ	5 U
Carbon tetrachloride	UG/L	5	5 U	5 U	5 UJ	5 U
Chlorobenzene	UG/L	5	5 U	5 U	5 UJ	5 U
Chloroethane	UG/L	5	5 U	5 U	41 J	3,300 D
Chloroform	UG/L	7	5 UJ	5 UJ	5 UJ	5 UJ
Chloromethane	UG/L	5	5 U	5 U	5 UJ	5 U
Cyclohexane	UG/L	50	5 U	5 U	5 UJ	5 U
Dibromochloromethane	UG/L	50	5 U	5 U	5 UJ	5 UJ
Dichlorodifluoromethane	UG/L	5	5 UJ	5 UJ	5 UJ	5 UJ
Ethylbenzene	UG/L	5	5 U	5 U	2,500 DJ	5 U
Isopropylbenzene (Cumene)	UG/L	5	5 U	5 U	8 J	5 U
Methyl acetate	UG/L	50	5 U	5 U	5 UJ	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	5 U	5 U	24 J	62
Methyl tert-butyl ether	UG/L	10	5 U	5 U	5 UJ	5 U
Methylcyclohexane	UG/L	50	5 U	5 U	8 J	5 U
Methylene chloride	UG/L	5	5 U	5 U	520 J	5 U
Styrene	UG/L	5	5 U	5 U	5 UJ	5 U
Tetrachloroethene	UG/L	5	5 U	5 U	570 J	5 U
Toluene	UG/L	5	5 U	5 U	45 J	5

*- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds

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Checked By JJL 10/24/06

Detection Limits shown are PQL

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TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID			GW-01	GW-02	GW-05	GW-07
Sample ID			623009-GW-1	623009-GW-2	623009-GW-5	623009-GW-7
Matrix			Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-
Date Sampled			07/25/06	07/25/06	07/25/06	07/25/06
Parameter	Units	*				
Volatile Organic Compounds						
Trichloroethene	UG/L	5	5 U	5 U	15 J	4 J
Trichlorofluoromethane	UG/L	5	5 U	5 U	5 UJ	5 U
Vinyl chloride	UG/L	2	5 U	5 U	5 UJ	5 U
Xylene (total)	UG/L	5	5 U	5 U	11,000 DJ	5 U

*- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

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TABLE 3

SUMMARY OF DETECTED CONSTITUENTS
SOIL VAPOR ANALYTICAL DATA

TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-01S	V-02S	V-04S	V-05S	V-06S
Sample ID		623009-V-01S	623009-V-02S	623009-V-04S	623009-V-06S	623009-V-06S
Matrix		Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/26/06	07/26/06	07/26/06	07/27/06	07/27/06
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	320	0.6	300	67,000	81
1,1,2,2-Tetrachloroethane	UG/M3	0.6 U	0.6 U	5.6 U	7.0 U	7.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	4.8	0.9	6.0 U	350,000	740
1,1,2-Trichloroethane	UG/M3	0.5 U	0.5 U	4.4 U	5.5 U	5.5 U
1,1-Dichloroethane	UG/M3	80	0.4 U	3.7	2,800	880
1,1-Dichloroethene	UG/M3	0.4 U	0.4 U	3.2 U	1,300	740
1,2,4-Trichlorobenzene	UG/M3	0.6 U	0.6 U	6.0 U	7.5 U	7.5 U
1,2-Dibromo-3-chloropropane	UG/M3	0.51 UJ	0.51 UJ	5.1 UJ	6.4 UJ	6.4 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/M3	0.6 U	0.6 U	6.0 U	7.5 U	7.5 U
1,2-Dichlorobenzene	UG/M3	0.5 U	0.5 U	4.8 U	6.0 U	6.0 U
1,2-Dichloroethane	UG/M3	0.4 U	0.4 U	3.2 U	4.0 U	4.0 U
1,2-Dichloroethene (cis)	UG/M3	0.4 U	0.4 U	3.2 U	6.5	1,800
1,2-Dichloroethene (trans)	UG/M3	0.4 U	0.4 U	3.2 U	4.0 U	67
1,2-Dichloropropane	UG/M3	0.4 U	0.4 U	3.6 U	4.5 U	4.5 U
1,3-Dichlorobenzene	UG/M3	0.5 U	0.5 U	4.8 U	6.0 U	6.0 U
1,3-Dichloropropene (cis)	UG/M3	0.4 U	0.4 U	3.6 U	4.5 U	4.5 U
1,3-Dichloropropene (trans)	UG/M3	0.4 U	0.4 U	3.6 U	4.5 U	4.5 U
1,4-Dichlorobenzene	UG/M3	0.5 U	0.5 U	4.8 U	6.0 U	6.0 U
2-Hexanone	UG/M3	0.4 UJ	0.4 UJ	3.2 UJ	4.0 U	4.0 U
4-Methyl-2-pentanone	UG/M3	0.4 UJ	0.4 UJ	3.2 UJ	4.0 U	4.0 U
Acetone	UG/M3	92 J	180 J	2.0 UJ	2.5 UJ	2.5 UJ
Benzene	UG/M3	800	630	44	1,100	70
Bromodichloromethane	UG/M3	0.6 U	0.6 U	5.2 U	6.5 U	6.5 U

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-01S	V-02S	V-04S	V-05S	V-06S
Sample ID		623009-V-01S	623009-V-02S	623009-V-04S	623009-V-05S	623009-V-06S
Matrix		Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/26/06	07/26/06	07/26/06	07/27/06	07/27/06
Parameter	Units					
Volatile Organic Compounds						
Bromoform	UG/M3	1.0 UJ	1.0 UJ	8.0 UJ	10 UJ	10 UJ
Bromomethane	UG/M3	0.4 U	0.4 U	3.2 U	4.0 U	4.0 U
Carbon disulfide	UG/M3	68	98	20	3.0 U	23
Carbon tetrachloride	UG/M3	0.6 U	0.6 U	5.2 U	6.5 U	6.5 U
Chlorobenzene	UG/M3	0.4 U	0.4 U	3.6 U	9.9	4.5 U
Chloroethane	UG/M3	0.2 U	0.2 U	2.0 U	42	16,000
Chloroform	UG/M3	7.3	3.9	4.0 U	5.0 U	5.0 U
Chloromethane	UG/M3	13	0.6	35	2.0 U	2.0 U
Cyclohexane	UG/M3	10	0.3 U	2.8 U	28	240
Dibromochloromethane	UG/M3	0.7 U	0.7 U	6.8 U	8.5 U	8.5 U
Dichlorodifluoromethane	UG/M3	0.5	0.4 U	4.0 U	5.0 U	5.0 U
Ethylbenzene	UG/M3	300	460	54	750	220
Isopropylbenzene (Cumene)	UG/M3	2.6 NJ	3.1 NJ	5.1 UJ	14 NJ	6.4 UJ
Methyl acetate	UG/M3	0.51 UJ	0.51 UJ	5.1 UJ	6.4 UJ	6.4 UJ
Methyl ethyl ketone (2-Butanone)	UG/M3	6.7 J	20 J	9.4 J	9.4	5.5
Methyl tert-butyl ether	UG/M3	3.6	6.5	2.8 U	18	3.5 U
Methylcyclohexane	UG/M3	24 NJ	8.2 NJ	21 NJ	167 NJ	780 NJ
Methylene chloride	UG/M3	0.3 U	1.4	11	230	3.5 U
Styrene	UG/M3	2.0	1.3	3.6 U	4.5 U	4.5 U
Tetrachloroethene	UG/M3	3.0	1.5	5.6 U	190	14
Toluene	UG/M3	2,800	3,000	270	4,700	690
Trichloroethene	UG/M3	0.5 U	0.5 U	4.4 U	10	61
Trichlorofluoromethane	UG/M3	0.7	1.4	4.4 U	5.5 U	5.5 U

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-01S	V-02S	V-04S	V-05S	V-06S
Sample ID		623009-V-01S	623009-V-02S	623009-V-04S	623009-V-05S	623009-V-06S
Matrix		Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/26/06	07/26/06	07/26/06	07/27/06	07/27/06
Parameter	Units					
Volatile Organic Compounds						
Vinyl chloride	UG/M3	0.2 U	0.2 U	2.0 U	2.5 U	590
Xylene (total)	UG/M3	650	900	138	1,020	560

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

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TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-07S	V-07S	V-08S	V-09S	V-10S
Sample ID		20060727-FD-1	623009-V-07S	623009-V-08S	623009-V-09S	623009-V-10S
Matrix		Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/27/06	07/27/06	07/27/06	07/26/06	07/26/06
Parameter	Units	Field Duplicate (1-1)				
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	36,000	43,000	8.8 U	1,400	830
1,1,2,2-Tetrachloroethane	UG/M3	7.0 U	7.0 U	12 U	0.6 U	0.6 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	120,000	150,000	12 U	0.6 U	15
1,1,2-Trichloroethane	UG/M3	21	18	8.8 U	0.5 U	0.5 U
1,1-Dichloroethane	UG/M3	3,700	4,900	6.4 U	230	340
1,1-Dichloroethene	UG/M3	1,400	1,900	6.4 U	0.4 U	0.4 U
1,2,4-Trichlorobenzene	UG/M3	7.5 U	7.5 U	12 U	0.6 U	0.6 U
1,2-Dibromo-3-chloropropane	UG/M3	6.4 UJ	6.4 UJ	10.2 UJ	0.51 UJ	0.51 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/M3	7.5 U	7.5 U	12 U	0.6 U	0.6 U
1,2-Dichlorobenzene	UG/M3	6.0 U	6.0 U	9.6 U	0.6	0.5
1,2-Dichloroethane	UG/M3	5.5	4.0 U	6.4 U	0.4 U	0.4 U
1,2-Dichloroethene (cis)	UG/M3	170	150	6.4 U	0.4 U	0.9
1,2-Dichloroethene (trans)	UG/M3	4.0 U	4.0 U	6.4 U	0.4 U	0.4 U
1,2-Dichloropropane	UG/M3	4.5 U	4.5 U	7.2 U	0.4 U	0.4 U
1,3-Dichlorobenzene	UG/M3	6.0 U	6.0 U	9.6 U	0.5 U	0.5 U
1,3-Dichloropropene (cis)	UG/M3	4.5 U	4.5 U	7.2 U	0.4 U	0.4 U
1,3-Dichloropropene (trans)	UG/M3	4.5 U	4.5 U	7.2 U	0.4 U	0.4 U
1,4-Dichlorobenzene	UG/M3	6.0 U	6.0 U	9.6 U	0.5 U	0.5 U
2-Hexanone	UG/M3	4.0 U	4.0 U	6.4 UJ	0.4 U	0.4 U
4-Methyl-2-pentanone	UG/M3	4.0 U	4.0 U	6.4 UJ	0.4 U	0.4 U
Acetone	UG/M3	2.5 UJ	2.5 UJ	89 J	0.2 UJ	90 J
Benzene	UG/M3	360	310	29	12	18
Bromodichloromethane	UG/M3	6.5 U	6.5 U	11 U	0.6 U	0.6 U

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

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[MATRIX] = 'GS'

Detection Limits shown are PQL

TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-07S	V-07S	V-08S	V-09S	V-10S
Sample ID		20060727-FD-1	623009-V-07S	623009-V-08S	623009-V-09S	623009-V-10S
Matrix		Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/27/06	07/27/06	07/27/06	07/26/06	07/26/06
Parameter	Units	Field Duplicate (1-1)				
Volatile Organic Compounds						
Bromoform	UG/M3	10 UJ	10 UJ	16 UJ	1.0 UJ	1.0 UJ
Bromomethane	UG/M3	4.0 U	4.0 U	6.4 U	0.4 U	0.4 U
Carbon disulfide	UG/M3	3.0 U	3.0 U	4.8 U	0.3 U	10
Carbon tetrachloride	UG/M3	6.5 U	6.5 U	11. U	0.6 U	0.6 U
Chlorobenzene	UG/M3	4.5 U	4.5 U	7.2 U	0.4 U	0.8
Chloroethane	UG/M3	420	400	4.0 U	0.2 U	52
Chloroform	UG/M3	7.5	6.8	8.0 U	0.4 U	1.5
Chloromethane	UG/M3	2.0 U	2.0 U	3.3	0.2 U	0.2 U
Cyclohexane	UG/M3	17	3.5 U	5.6 U	0.3 U	0.3 U
Dibromochloromethane	UG/M3	8.5 U	8.5 U	14 U	0.7 U	0.7 U
Dichlorodifluoromethane	UG/M3	7.7	5.0 U	8.0 U	0.4 U	0.4 U
Ethylbenzene	UG/M3	180	150	15	67	86
Isopropylbenzene (Cumene)	UG/M3	6.4 UJ	6.4 UJ	10.2 UJ	2.6 NJ	3.2 NJ
Methyl acetate	UG/M3	6.4 UJ	6.4 UJ	10.2 UJ	0.51 UJ	0.51 UJ
Methyl ethyl ketone (2-Butanone)	UG/M3	4.6	3.0 U	11 J	0.3 U	7.5
Methyl tert-butyl ether	UG/M3	3.5 U	3.5 U	5.6 U	0.3 U	0.3 U
Methylcyclohexane	UG/M3	34 NJ	30 NJ	10.2 UJ	2.1 NJ	8.9 NJ
Methylene chloride	UG/M3	3.5 U	3.5 U	21	0.3 U	1.5
Styrene	UG/M3	4.5 U	4.5 U	7.2 U	3.1	4.9
Tetrachloroethene	UG/M3	1,800	1,600	12 U	13	9.2
Toluene	UG/M3	1,500	1,400	110	210	290
Trichloroethene	UG/M3	490	430	8.8 U	1.2	1.6
Trichlorofluoromethane	UG/M3	5.5 U	5.5 U	8.8 U	1.8	0.5 U

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-07S	V-07S	V-08S	V-09S	V-10S
Sample ID		20060727-FD-1	623009-V-07S	623009-V-08S	623009-V-09S	623009-V-10S
Matrix		Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/27/06	07/27/06	07/27/06	07/26/06	07/26/06
Parameter	Units	Field Duplicate (1-1)				
Volatile Organic Compounds						
Vinyl chloride	UG/M3	2.5 U	2.5 U	4.0 U	0.2 U	0.2 U
Xylene (total)	UG/M3	420	360	40	227	280

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

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[MATRIX] = 'GS'

TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-11S
Sample ID		623009-V-11S
Matrix		Soil Gas
Depth Interval (ft)		-
Date Sampled		07/26/06
Parameter	**Units**	
Volatile Organic Compounds		
1,1,1-Trichloroethane	UG/M3	21
1,1,2,2-Tetrachloroethane	UG/M3	0.6 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.6 U
1,1,2-Trichloroethane	UG/M3	0.5 U
1,1-Dichloroethane	UG/M3	0.4 U
1,1-Dichloroethene	UG/M3	0.4 U
1,2,4-Trichlorobenzene	UG/M3	0.6 U
1,2-Dibromo-3-chloropropane	UG/M3	0.51 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/M3	0.6 U
1,2-Dichlorobenzene	UG/M3	0.5 U
1,2-Dichloroethane	UG/M3	0.4 U
1,2-Dichloroethene (cis)	UG/M3	0.4 U
1,2-Dichloroethene (trans)	UG/M3	0.4 U
1,2-Dichloropropane	UG/M3	0.4 U
1,3-Dichlorobenzene	UG/M3	0.5 U
1,3-Dichloropropene (cis)	UG/M3	0.4 U
1,3-Dichloropropene (trans)	UG/M3	0.4 U
1,4-Dichlorobenzene	UG/M3	0.5 U
2-Hexanone	UG/M3	0.4 U
4-Methyl-2-pentanone	UG/M3	0.4 U
Acetone	UG/M3	0.2 UJ
Benzene	UG/M3	77
Bromodichloromethane	UG/M3	0.6

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-11S
Sample ID		623009-V-11S
Matrix		Soil Gas
Depth Interval (ft)		-
Date Sampled		07/26/06
Parameter	Units	
Volatile Organic Compounds		
Bromoform	UG/M3	1.0 UJ
Bromomethane	UG/M3	0.4 U
Carbon disulfide	UG/M3	0.3 U
Carbon tetrachloride	UG/M3	0.6 U
Chlorobenzene	UG/M3	0.4 U
Chloroethane	UG/M3	0.2 U
Chloroform	UG/M3	0.4 U
Chloromethane	UG/M3	0.2 U
Cyclohexane	UG/M3	3.2
Dibromochloromethane	UG/M3	0.7 U
Dichlorodifluoromethane	UG/M3	0.4 U
Ethylbenzene	UG/M3	52
Isopropylbenzene (Cumene)	UG/M3	0.70 NJ
Methyl acetate	UG/M3	0.51 UJ
Methyl ethyl ketone (2-Butanone)	UG/M3	0.3 U
Methyl tert-butyl ether	UG/M3	0.3 U
Methylcyclohexane	UG/M3	5.4 NJ
Methylene chloride	UG/M3	0.3 U
Styrene	UG/M3	0.5
Tetrachloroethene	UG/M3	0.6 U
Toluene	UG/M3	460
Trichloroethene	UG/M3	0.5 U
Trichlorofluoromethane	UG/M3	0.5 U

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-11S
Sample ID		623009-V-11S
Matrix		Soil Gas
Depth Interval (ft)		-
Date Sampled		07/26/06
Parameter	Units	
Volatile Organic Compounds		
Vinyl chloride	UG/M3	0.2 U
Xylene (total)	UG/M3	28

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

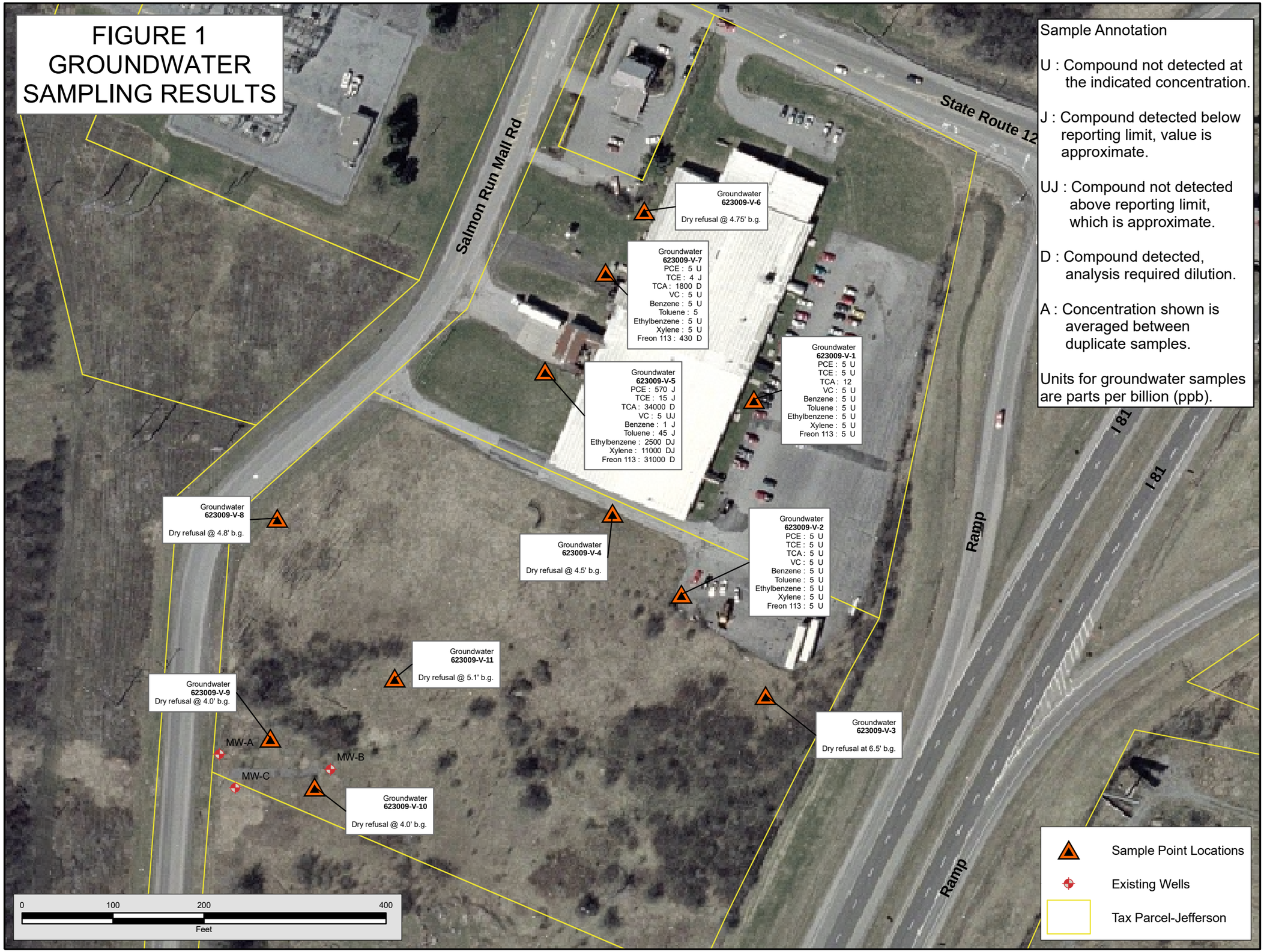
Detection Limits shown are PQL

FIGURE 1

GROUNDWATER

SAMPLING RESULTS

FIGURE 1
GROUNDWATER SAMPLING RESULTS



Sample Annotation

U : Compound not detected at the indicated concentration.

J : Compound detected below reporting limit, value is approximate.

UJ : Compound not detected above reporting limit, which is approximate.

D : Compound detected, analysis required dilution.

A : Concentration shown is averaged between duplicate samples.

Units for groundwater samples are parts per billion (ppb).

New York State
Department of Environmental Conservation

Division of Environmental Remediation

Map Details

Created in ArcGIS 9.1

Created by T. Festa

Date of Last Revision: 1/30/2007

UNAUTHORIZED DUPLICATION
IS A VIOLATION OF APPLICABLE LAWS

Bomax Manufacturing
Site # 6-23-009

Jefferson County
City of Watertown

DEC Contact:
Fancher
Eastman

DOH Contact:
Navratil

Spring 2003
Aerial Photography

N
W
E
S

North American Datum 1983
UTM Zone 18N

FIGURE 2

SOIL VAPOR

SAMPLING RESULTS

FIGURE 2
SOIL VAPOR SAMPLING RESULTS

Shallow Soil Vapor
623009-V-7
PCE : 1700 A
TCE : 460 A
TCA : 39500 A
VC : 2.5 U
Benzene : 335 A
Toluene : 1450 A
Ethylbenzene : 165 A
Xylene : 390 A
Freon 113 : 135000 A

Shallow Soil Vapor
623009-V-6
PCE : 14
TCE : 61
TCA : 81
VC : 590
Benzene : 70
Toluene : 690
Ethylbenzene : 220
Xylene : 560
Freon 113 : 740

Shallow Soil Vapor
623009-V-5
PCE : 190
TCE : 10
TCA : 67000
VC : 2.5 U
Benzene : 1100
Toluene : 4700
Ethylbenzene : 750
Xylene : 1020
Freon 113 : 350000

Shallow Soil Vapor
623009-V-1
PCE : 3.0
TCE : 0.5 U
TCA : 320
VC : 0.2 U
Benzene : 800
Toluene : 2800
Ethylbenzene : 300
Xylene : 650
Freon 113 : 4.8

Shallow Soil Vapor
623009-V-4
PCE : 5.6 U
TCE : 4.4 U
TCA : 300
VC : 2.0 U
Benzene : 44
Toluene : 270
Ethylbenzene : 54
Xylene : 138
Freon 113 : 6.0 U

Shallow Soil Vapor
623009-V-8
PCE : 12 U
TCE : 8.8 U
TCA : 8.8 U
VC : 4.0 U
Benzene : 29
Toluene : 110
Ethylbenzene : 15
Xylene : 40
Freon 113 : 12 U

Shallow Soil Vapor
623009-V-2
PCE : 1.5
TCE : 0.5 U
TCA : 0.6
VC : 0.2 U
Benzene : 630
Toluene : 3000
Ethylbenzene : 460
Xylene : 900
Freon 113 : 0.9

Shallow Soil Vapor
623009-V-11
PCE : 0.6 U
TCE : 0.5 U
TCA : 21
VC : 0.2 U
Benzene : 77
Toluene : 460
Ethylbenzene : 52
Xylene : 28
Freon 113 : 0.6 U

Shallow Soil Vapor
623009-V-9
PCE : 13
TCE : 1.2
TCA : 1400
VC : 0.2 U
Benzene : 12
Toluene : 210
Ethylbenzene : 67
Xylene : 227
Freon 113 : 0.6 U

Shallow Soil Vapor
623009-V-10
PCE : 9.2
TCE : 1.6
TCA : 830
VC : 0.2 U
Benzene : 18
Toluene : 290
Ethylbenzene : 86
Xylene : 280
Freon 113 : 15

Shallow Soil Vapor
623009-V-3
Sample unattainable due to tight soils.

MW-A
MW-B
MW-C

Salmon Run Mall Rd
State Route 12
I 81
Ramp
Ramp

0 100 200 400
Feet

Sample Point Locations
Existing Wells
Tax Parcel-Jefferson

Sample Annotation

U : Compound not detected at the indicated concentration.

J : Compound detected below reporting limit, value is approximate.

UJ : Compound not detected above reporting limit, which is approximate.

D : Compound detected, analysis required dilution.

A : Concentration shown is averaged between duplicate samples.

Units for soil vapor samples are micrograms per cubic meter (ug/m3).

New York State
Department of Environmental Conservation

Division of Environmental Remediation

Map Details

Created in ArcGIS 9.1

Created by T. Festa

Date of Last Revision: 1/30/2007

UNAUTHORIZED DUPLICATION
IS A VIOLATION OF APPLICABLE LAWS

Bomax Manufacturing
Site # 6-23-009

Jefferson County
City of Watertown

DEC Contact:
Fancher
Eastman

DOH Contact:
Navratil

Spring 2003
Aerial Photography

N
W E
S

North American Datum 1983
UTM Zone 18N

ATTACHMENT A

URS Corp. Vapor Intrusion Evaluation Letter Report
March, 2007

VAPOR INTRUSION EVALUATION

LETTER REPORT

WORK ASSIGNMENT D004433-5

BOMAX MANUFACTURING
CITY OF WATERTOWN

SITE NO. 6-23-009
JEFFERSON (C), NY

Prepared for:
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 Broadway, Albany, New York

Denise M. Sheehan, Commissioner

DIVISION OF ENVIRONMENTAL REMEDIATION

URS Corporation
77 Goodell Street
Buffalo, New York 14203

G3814U

Final
March 2007

LETTER REPORT

SOIL VAPOR INTRUSION EVALUATION
FOR THE
BOMAX MANUFACTURING SITE
SITE #6-23-009
WATERTOWN, NEW YORK

Prepared For:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
WORK ASSIGNMENT # D004433-5

Prepared By:

URS CORPORATION
77 GOODELL STREET
BUFFALO, NEW YORK 14203

FINAL
MARCH 2007

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1.0 INTRODUCTION 1

2.0 FIELD ACTIVITIES 1

3.0 SAMPLE COLLECTION 2

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Table 1 Site Sampling Summary

ATTACHMENTS

Attachment A Boring Logs and Soil Vapor Implant Construction Drawings

Attachment B Photograph Log

Attachment C Data Summary Usability Report

Attachment D Soil Vapor Sampling Records and Chain of Custody Forms

Attachment E Groundwater Sampling Records and Chain of Custody Forms

1.0 INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC) requested URS Corporation (URS), under it's State Superfund Standby Contract, to perform a Vapor Intrusion Evaluation at the Bomax Manufacturing site (Site No. 6-23-009) in Watertown, Jefferson County, New York. The site consists of a former Bomax manufacturing plant and surrounding vacant land. Groundwater and soil vapor sampling were conducted to assess potential soil vapor intrusion of chlorinated volatile organic compounds (VOCs) into the surrounding area.

The results of this vapor intrusion evaluation are presented in this letter report. Section 2.0 includes a general description of the field activities completed. Section 3.0 provides the analytical results of the groundwater and soil vapor sampling.

2.0 FIELD ACTIVITIES

The following field activities were completed at the Bomax Manufacturing site during the soil vapor intrusion investigation**.** All of the fieldwork completed followed the requirements and specifications presented in the URS-prepared Work Plan, Field Sampling Plan and Health and Safety Plan.

- Site visit to mark out drilling locations;
- Drilling and installation of 11 shallow soil vapor implants;
- Sampling and analysis of four groundwater grab samples from soil borings; and
- Sampling and analysis of 10 soil vapor samples.

Soil Vapor Implant Drilling and Installation

On July 20, 2006, representatives from URS and NYSDEC marked out drilling locations for soil vapor implants at eleven area locations. Utility locators were also notified of the boring locations and they completed utility mark outs.

On July 25, 2006, URS supervised the drilling and construction of temporary shallow soil vapor implants at 11 locations. The locations were identified as 623009-V-1 through 623009-V-11 (see Table 1). GeoLogic NY, Inc., a drilling contractor from Homer, New York, performed the drilling. Soil vapor implant construction consisted of first drilling an approximate 3-inch diameter boring using direct-push drilling techniques and macro core drilling tools. A 6-inch long stainless steel screen (implant) was then placed in the borehole to the desired sampling depth and connected to a 3/8-inch diameter polyethylene tube brought to approximately 3-feet above ground surface. Sand was placed in the borehole to cover the screen, and hydrated bentonite was then placed in the remainder of the borehole. Shallow soil vapor implants were installed at each of the 11 locations. Boring logs and soil vapor implant construction drawings are provided in Attachment A.

After the construction of 623009-V-1S, it was discovered that this implant was saturated with groundwater. This implant was sampled for groundwater (see Section 3.0, Groundwater Sampling) and removed from the ground. The soil vapor implant for this location was re-drilled and replaced by a shallower implant also designated 623009-V-1S.

3.0 SAMPLE COLLECTION

Photographic Log

Photographs were taken during the sampling of the soil vapor implants. A photograph log is provided in Attachment B.

Soil Vapor Sampling

Prior to sampling, helium tracer gas testing was conducted at all sampling locations to ensure that the soil vapor samples were not affected by ambient air being drawn into the Summa® canisters used to collect the samples. Soil vapor sampling and helium testing followed procedures presented in URS' approved Field Sampling Plan (URS, 2006). Soil vapor samples were collected at locations 623009-V-1S, 623009-V-2S, and 623009-V-4S through 623009-V-11S on July 26 and 27, 2006. A duplicate sample of 623009-V-7S was also collected and designated 20060727-FD-1. Collection of a soil vapor sample at location 623009-V-3S was attempted but tight soils and a resulting high soil vacuum prevented a sample from being collected.

Samples were collected using 6-liter Summa® canisters with two-hour regulators. Soil vapor samples were shipped to Con-Test Analytical Laboratories in East Longmeadow, MA for analysis of the Target Compound List (TCL) volatile organic compounds (VOCs) using USEPA Method TO-15.

A summary of the soil vapor samples collected is presented in Table 1. Validated analytical results are provided in the Data Usability Summary Report (DUSR) provided in Attachment C. Soil vapor sampling records and Chain of Custody forms are provided in Attachment D.

Groundwater Sampling

Four groundwater grab samples were collected on July 25, 2006 during the drilling and installations of the soil vapor implants. One sample, 623009-GW-1, was collected from a shallow soil vapor implant designated as 623009-V-1S. Three additional groundwater grab samples were collected from open boreholes prior to construction of the soil vapor implants. These groundwater samples were designated 623009-GW-2, 623009-GW-5 and 623009-GW-7. A summary of the groundwater samples collected is presented in Table 1.

Validated laboratory results for the groundwater samples are provided in the DUSR in Attachment C. Groundwater sampling records and Chain of Custody forms are provided in Attachment E.

REFERENCES

New York State Department of Health (NYSDOH). 2005. Guidance for Evaluating Soil Vapor Intrusion in the State of New York. Public Comment Draft, February 2005.

URS Corporation (URS). 2006. Field Sampling Plan for the Vapor Intrusion Evaluations for New York State Remedial Sites.

URS. 2006. Vapor Intrusion Evaluation Work Plan/Budget Estimate for Bomax Manufacturing Site.

URS. 2006. Health and Safety Plan, Bomax Manufacturing Site.

Table 1
Site Sampling Summary
Bomax Manufacturing Site, Watertown, NY
Soil Vapor Intrusion Evaluation
Site # 6-23-009

Location ID	NYSDEC Sample ID	General Location/Comments	Sample Date	Depth to GW (ft bgs)	Depth to SG Implant Base (ft bgs)	Leak-Test Successful? (yes or no)	Start Vacuum (in. Hg)	End Vacuum (in. Hg)	Start Time	Stop Time	Duration (hours)
Soil Vapor Samples											
623000-V-1	623009-V-1S	Center of building on easet side. Soil gas implant.	7/26/2006	<4	2.75	Yes	-26	-3	1814	1954	100
623009-V-2	623009-V-2S	Former drum storage area southeast of building. Soil gas implant.	7/26/2006	4.1	3.0	Yes	-30	-6	1832	1946	74
623009-V-3	Sample not analyzed-no vacuum loss. Tight soil.	In field south east of building. Soil gas implant.	7/26/2006	Not observed	6.0	Yes	-30	-30	1100	1625	325
623009-V-4	623009-V-4S	South of building at edge of driveway. Soil gas implant.	7/26/2006	4	3.75	Yes	-30.0	-3.0	1854	1906	12
623009-V-5	623009-V-5S	Southwest corner of building near former solvent/waste oil tank. Soil gas implant	7/27/2006	3.2	3.0	Yes	-22.5	-2.0	1009	1132	83
623009-V-6	623009-V-6S	Northwest corner of Building. Soil gas implant.	7/27/2006	Not observed	4.75	Yes	-30	-3.5	902	1040	98
623009-V-7	623009-V-7S / 20060727-FD-1 (Duplicate of 623009-V-7S)	West side of building near loading dock. Soil gas implant.	7/27/2006	3.1	3.0	Yes	-30	-10	945	1119	94
623009-V-8	623009-V-8S	Southwest of building along Salmon Run Mall Road. Soil gas implant.	7/27/2006	Not observed	4.8	Yes	-29.5	-1	1202	1214	12
623009-V-9	623009-V-9S	Northwest of septic tankl/leach field. Soil gas implant.	7/26/2006	Not observed	3.8	Yes	-30	-4	1530	1730	120
623009-V-10	623009-V-10S	Southeast of septic tankl/leach field. Soil gas implant.	7/26/2006	Not observed	3.8	Yes	-28	-4	1433	1557	84
623009-V-11	623009-V-11S	Northeast of septic tankl/leach field. Soil gas implant.	7/26/2006	Not observed	4.0	Yes	-25	-4	1508	1645	97
Groundwater Grab Samples from Soil Vapor Borings											
623009-V-1	623009-GW-1	Sample from top of the water table.	7/25/2006	<4	NA	NA	NA	NA	NA	NA	NA
623009-V-2	623009-GW-2/MS/MSD	Sample from top of the water table.	7/25/2006	4.1	NA	NA	NA	NA	NA	NA	NA
623009-V-5	623009-GW-5	Sample from top of the water table.	7/25/2006	3.2	NA	NA	NA	NA	NA	NA	NA
623009-V-7	623009-GW-7	Sample from top of the water table.	7/25/2006	3.1	NA	NA	NA	NA	NA	NA	NA

NA = Not Applicable
bgs = Below ground surface

ATTACHMENT A

BORING LOGS AND SOIL VAPOR IMPLANT CONSTRUCTION DRAWINGS

URS Corporation

TEST BORING LOG

PROJECT:	Bomax Vapor Intrusion Investigation, Watertown, NY
CLIENT:	NYSDEC
BORING CONTRACTOR:	GeoLogic NY
BORING NO:	623009-V-1S
SHEET:	1 of 1
JOB NO.:	11174772.00002
BORING LOCATION:	E. of building
GROUND ELEVATION:	NA
DATE STARTED:	7/25/06
DATE FINISHED:	7/25/06
DRILLER:	Liam Cummins
GEOLOGIST:	John Boyd
REVIEWED BY:	T. BURMEIER

GROUNDWATER:

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		Macrocore		
DIA.		2"		
WT.		--		
FALL		--		

* POCKET PENETROMETER READING

DEPTH FEET	SAMPLE STRATA	SAMPLE NO.	SAMPLE TYPE	SAMPLE RECOVERY %	DESCRIPTION COLOR	DESCRIPTION MATERIAL DESCRIPTION	DESCRIPTION USCS	REMARKS PID	REMARKS MOISTURE
		1	Macro Core	83%	Brown	0-0.9' SILT, some organics and very fine sand	ML	0.0 ppm	Moist
						0.9-2.2' SILT, some fine-medium gravel & medium sand	ML		
						2.2-3.0' CLAY	CL		
					Gray	3.0-4.0' Limestone bedrock	-		Dry
5						Refusal on rock at 4.0'			
10									
15									
20									
25									
30									
35									

COMMENTS: Geoprobe 5400 using a 4' x 3" macrocore to a depth of 4.0' BGS.
Soil vapor implant installed at 2.75' bgs (see construction diagram).

PROJECT NO. 11174772.00002
BORING NO. 623009-V-1S

URS Corporation

TEST BORING LOG

PROJECT:	Bomax Vapor Intrusion Investigation, Watertown, NY
CLIENT:	NYSDEC
BORING CONTRACTOR:	GeoLogic NY

BORING NO:	623009-V-2S
SHEET:	1 of 1
JOB NO.:	11174772.00002
BORING LOCATION:	Drum storage area
GROUND ELEVATION:	NA
DATE STARTED:	7/25/06
DATE FINISHED:	7/25/06
DRILLER:	Liam Cummins
GEOLOGIST:	John Boyd
REVIEWED BY:	T. BURMEISTER

GROUNDWATER:					CAS.	SAMPLER	CORE	TUBE
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2"		
				WT.		--		
				FALL		--		
				* POCKET PENETROMETER READING				

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	RECOVERY %	COLOR	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
		1	Macro Core	100%	Gray	0-0.5' Blacktop, subbase (fill)	Fill	0.0 ppm	Moist
					Gray-brown	0.5-5.3' clayey SILT, trace medium gravel w/ gray mottling	ML		
5						wet at 4.1'			wet
		2	Macro Core	13%	Gray	5.3-5.5' Limestone bedrock			

Refusal at 5.5' on rock

10 15 20 25 30 35

COMMENTS: Geoprobe 5400 using a 4' x 3" macrocore to a depth of 5.5' BGS.
Soil vapor implant installed at 3.0' bgs (see construction diagram).

PROJECT NO. 11174772.00002
BORING NO. 623009-V-2S

URS Corporation

TEST BORING LOG

PROJECT:	Bomax Vapor Intrusion Investigation, Watertown, NY
CLIENT:	NYSDEC
BORING CONTRACTOR:	GeoLogic NY
BORING NO:	623009-V-3S
SHEET:	1 of 1
JOB NO.:	11174772.00002
BORING LOCATION:	S.E. of building
GROUND ELEVATION:	NA
DATE STARTED:	7/25/06
DATE FINISHED:	7/25/06
DRILLER:	Liam Cummins
GEOLOGIST:	John Boyd
REVIEWED BY:	T. Burmeister

GROUNDWATER:

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		Macrocore		
DIA.		2"		
WT.		--		
FALL		--		

* POCKET PENETROMETER READING

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	RECOVERY %	COLOR	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
		1	Macro Core	100%	Brown	0-0.5' SILT, some organics, trace medium gravel 0.5-6.4' clayey SILT	ML	0.0 ppm	Moist
5		2	Macro Core	63%	Gray	6.4-6.5' Limestone bedrock			

Refusal at 6.5' on rock

10 15 20 25 30 35

COMMENTS: Geoprobe 5400 using a 4' x 3" macrocore to a depth of 6.5' BGS.
Soil vapor implant installed at 4.0' bgs (see construction diagram).

PROJECT NO. 11174772.00002
BORING NO. 623009-V-3S

URS Corporation

TEST BORING LOG

PROJECT:	Bomax Vapor Intrusion Investigation, Watertown, NY
CLIENT:	NYSDEC
BORING CONTRACTOR:	GeoLogic NY

BORING NO:	623009-V-4S
SHEET:	1 of 1
JOB NO.:	11174772.00002
BORING LOCATION:	S.of building
GROUND ELEVATION:	NA
DATE STARTED:	7/25/06
DATE FINISHED:	7/25/06
DRILLER:	Liam Cummins
GEOLOGIST:	John Boyd
REVIEWED BY:	T. BURMEIER

GROUNDWATER:					CAS.	SAMPLER	CORE	TUBE
DATE	TIME	LEVEL	TYPE	TYPE		Macrocore		
				DIA.		2"		
				WT.		--		
				FALL		--		
				* POCKET PENETROMETER READING				

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	RECOVERY %	COLOR	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
		1	Macro Core	100%	Brown	0-0.9' Silt & fine-med. gravel, some fine-medium sand 0.9-3.5' SILT, some clay, trace fine gravel 3.5-4.3' SILT, some fine sand Wet at 4.1'	ML	0.0 ppm	Moist wet
5		2	Macro Core	10%	Gray	4.3-4.5' Limestone bedrock			
10						Refusal at 4.5' on rock			
15									
20									
25									
30									
35									

COMMENTS: Geoprobe 5400 using a 4' x 3" macrocore to a depth of 4.5' BGS.
Soil vapor implant installed at 3.75' bgs (see construction diagram).

PROJECT NO.	11174772.00002
BORING NO.	623009-V-4S

URS Corporation

TEST BORING LOG

PROJECT:	Bomax Vapor Intrusion Investigation, Watertown, NY
CLIENT:	NYSDEC
BORING CONTRACTOR:	GeoLogic NY

BORING NO:	623009-V-5S
SHEET:	1 of 1
JOB NO.:	11174772.00002
BORING LOCATION:	S.E.of building
GROUND ELEVATION:	NA
DATE STARTED:	7/25/06
DATE FINISHED:	7/25/06
DRILLER:	Liam Cummins
GEOLOGIST:	John Boyd
REVIEWED BY:	T. BURMEISTER

GROUNDWATER:

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		Macrocore		
DIA.		2"		
WT.		--		
FALL		--		

* POCKET PENETROMETER READING

DEPTH FEET	SAMPLE STRATA	SAMPLE NO.	SAMPLE TYPE	SAMPLE RECOVERY %	DESCRIPTION COLOR	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
		1	Macro Core	100%	Brown	0-0.8' Silt, trace organics 0.8-3.0' SILT, trace clay 3.0-3.5' Clayey silt (wet at 3.2')	ML	0.0 ppm	Moist wet
5						Refusal at 3.6' on rock			
10									
15									
20									
25									
30									
35									

COMMENTS: Geoprobe 5400 using a 4' x 3" macrocore to a depth of 3.6' BGS.
Soil vapor implant installed at 3.0' bgs (see construction diagram).

PROJECT NO.	11174772.00002
BORING NO.	623009-V-5S

URS Corporation

TEST BORING LOG

PROJECT:	Bomax Vapor Intrusion Investigation, Watertown, NY
CLIENT:	NYSDEC
BORING CONTRACTOR:	GeoLogic NY

BORING NO:	623009-V-6S
SHEET:	1 of 1
JOB NO.:	11174772.00002
BORING LOCATION:	NW of building
GROUND ELEVATION:	NA
DATE STARTED:	7/25/06
DATE FINISHED:	7/25/06
DRILLER:	Liam Cummins
GEOLOGIST:	John Boyd
REVIEWED BY:	T. BURMEISTER

GROUNDWATER:

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		Macrocore		
DIA.		2"		
WT.		--		
FALL		--		

* POCKET PENETROMETER READING

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	RECOVERY %	COLOR	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
		1	Macro Core	90%	Brown GR Brn	0-1.1' Silt, trace organics and medium gravel 1.1-4.75' SILT, with light brown mottling	ML	0.0 ppm	Moist
5		2	Macro Core	21%	Dark gray	4.75' Limestone bedrock		0.3 ppm	
						Refusal at 4.75' on rock			
10									
15									
20									
25									
30									
35									

COMMENTS: Geoprobe 5400 using a 4' x 3" macrocore to a depth of 4.0' BGS.
Soil vapor implant installed at 4.75' bgs (see construction diagram).

PROJECT NO. 11174772.00002
BORING NO. 623009-V-6S

URS Corporation

TEST BORING LOG

PROJECT:	Bomax Vapor Intrusion Investigation, Watertown, NY
CLIENT:	NYSDEC
BORING CONTRACTOR:	GeoLogic NY
BORING NO:	623009-V-7S
SHEET:	1 of 1
JOB NO.:	11174772.00002
BORING LOCATION:	West of building
GROUND ELEVATION:	NA
DATE STARTED:	7/25/06
DATE FINISHED:	7/25/06
DRILLER:	Liam Cummins
GEOLOGIST:	John Boyd
REVIEWED BY:	T. Burmeier

GROUNDWATER:

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		Macrocore		
DIA.		2"		
WT.		--		
FALL		--		

* POCKET PENETROMETER READING

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	RECOVERY %	COLOR	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
		1	Macro Core	60%	Brown	0-1.0' SILT, some fine-medium gravel & fine-med. sand	ML	0.0 ppm	Moist
					↓	1.0-1.7' SILT, some fine-medium sand, trace fine gravel	↓	↓	↓
					Lt.Brn	1.7-3.0' SILT, trace fine gravel			
					Gray	3.0' -3.3 Limestone bedrock			
5						Refusal at 3.3' on rock			
10									
15									
20									
25									
30									
35									

COMMENTS: Geoprobe 5400 using a 4' x 3" macrocore to a depth of 3.3' BGS.
Soil vapor implant installed at 3.0' bgs (see construction diagram).

PROJECT NO. 11174772.00002
BORING NO. 623009-V-7S

URS Corporation

TEST BORING LOG

PROJECT:	Bomax Vapor Intrusion Investigation, Watertown, NY
CLIENT:	NYSDEC
BORING CONTRACTOR:	GeoLogic NY
BORING NO:	623009-V-8S
SHEET:	1 of 1
JOB NO.:	11174772.00002
BORING LOCATION:	Salmon Run Mall Rd
GROUND ELEVATION:	NA
DATE STARTED:	7/25/06
DATE FINISHED:	7/25/06
DRILLER:	Liam Cummins
GEOLOGIST:	John Boyd
REVIEWED BY:	T. BURMEISTER

GROUNDWATER:

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		Macrocore		
DIA.		2"		
WT.		--		
FALL		--		

* POCKET PENETROMETER READING

DEPTH FEET	SAMPLE STRATA	SAMPLE NO.	SAMPLE TYPE	SAMPLE RECOVERY %	DESCRIPTION COLOR	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
		1	Macro Core	100%	Brown	0-4.5' SILT, some organics top 0.2'. Trace clay	ML	1.1ppm	Moist
5						4.5-4.8' Very fine sand and silt. Wet at 4.5'		0.4 ppm	Wet
		2	Macro Core	21%	Gray	4.8' Limestone bedrock		0.0 ppm	
10						Refusal at 4.8' on rock			
15									
20									
25									
30									
35									

COMMENTS: Geoprobe 5400 using a 4' x 3" macrocore to a depth of 4.8' BGS.
Soil vapor implant installed at 4.8' bgs (see construction diagram).

PROJECT NO. 11174772.00002
BORING NO. 623009-V-8S

URS Corporation

TEST BORING LOG

PROJECT:	Bomax Vapor Intrusion Investigation, Watertown, NY
CLIENT:	NYSDEC
BORING CONTRACTOR:	GeoLogic NY

BORING NO:	623009-V-9S
SHEET:	1 of 1
JOB NO.:	11174772.00002
BORING LOCATION:	NW of septic tank
GROUND ELEVATION:	NA
DATE STARTED:	7/25/06
DATE FINISHED:	7/25/06
DRILLER:	Liam Cummins
GEOLOGIST:	John Boyd
REVIEWED BY:	T. Burmeier

GROUNDWATER:				CAS.	SAMPLER	CORE	TUBE
DATE	TIME	LEVEL	TYPE	TYPE	Macrocore		
				DIA.	2"		
				WT.	--		
				FALL	--		
				* POCKET PENETROMETER READING			

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	RECOVERY %	DESCRIPTION COLOR	MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
		1	Macro Core	100%	Brown	0-2.0' SILT, some very fine sand, trace fine gravel 2.0-3.5' Fine GRAVEL (fill?), little silt and clay 3.5-3.8' Silty clay and fine gravel	ML	0.0 ppm	Moist
5					Gray	3.8-4.0' Limestone bedrock			

Refusal at 4.0' on rock

10 15 20 25 30 35

COMMENTS: Geoprobe 5400 using a 4' x 3" macrocore to a depth of 4.0' BGS.
Soil vapor implant installed at 3.8' bgs (see construction diagram).

PROJECT NO.	11174772.00002
BORING NO.	623009-V-9S

URS Corporation

TEST BORING LOG

PROJECT:	Bomax Vapor Intrusion Investigation, Watertown, NY
CLIENT:	NYSDEC
BORING CONTRACTOR:	GeoLogic NY
BORING NO:	623009-V-10S
SHEET:	1 of 1
JOB NO.:	11174772.00002
BORING LOCATION:	S. of septic tank
GROUND ELEVATION:	NA
DATE STARTED:	7/25/06
DATE FINISHED:	7/25/06
DRILLER:	Liam Cummins
GEOLOGIST:	John Boyd
REVIEWED BY:	T. Burmeier

GROUNDWATER:

DATE	TIME	LEVEL	TYPE		CAS.	SAMPLER	CORE	TUBE
				TYPE		Macrocore		
				DIA.		2"		
				WT.		--		
				FALL		--		
				* POCKET PENETROMETER READING				

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	RECOVERY %	COLOR	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
		1	Macro Core	73%	Brown Dk brn	0-1.15' SILT, some fine gravel and coarse sand 1.15-2.1' Fine GRAVEL, some silt and fine sand 2.1-4.0' Clayey SILT.	ML	0.0 ppm	Moist
5					Gray	Refusal at 4.0' on limestone bedrock			
10									
15									
20									
25									
30									
35									

COMMENTS: Geoprobe 5400 using a 4' x 3" macrocore to a depth of 4.0' BGS.
Soil vapor implant installed at 3.8' bgs (see construction diagram).

PROJECT NO. 11174772.00002
BORING NO. 623009-V-10S

URS Corporation

TEST BORING LOG

PROJECT:	Bomax Vapor Intrusion Investigation, Watertown, NY
CLIENT:	NYSDEC
BORING CONTRACTOR:	GeoLogic NY

BORING NO:	623009-V-11S
SHEET:	1 of 1
JOB NO.:	11174772.00002
BORING LOCATION:	NE of septic tank
GROUND ELEVATION:	NA
DATE STARTED:	7/25/06
DATE FINISHED:	7/25/06
DRILLER:	Liam Cummins
GEOLOGIST:	John Boyd
REVIEWED BY:	T. Burmeier

GROUNDWATER:

DATE	TIME	LEVEL	TYPE

	CAS.	SAMPLER	CORE	TUBE
TYPE		Macrocore		
DIA.		2"		
WT.		--		
FALL		--		

* POCKET PENETROMETER READING

DEPTH FEET	SAMPLE STRATA	NO.	TYPE	RECOVERY %	COLOR	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS PID	REMARKS MOISTURE
		1	Macro Core	90%	Brown	0-3.2' SILT, trace organics in top 0.2' 3.2-5.1' Silt and clay	ML	0.0 ppm	Moist
5		2	Macro Core	30%	Gray	5.1' Limestone bedrock			
						Refusal at 5.1' on rock			
10									
15									
20									
25									
30									
35									

COMMENTS: Geoprobe 5400 using a 4' x 3" macrocore to a depth of 5.1' BGS.
Soil vapor implant installed at 4.0' bgs (see construction diagram).

PROJECT NO. 11174772.00002
BORING NO. 623009-V-11S

DRILLING SUMMARY

Geologist: John Boyd

Drilling Company: Geologic NY, Inc.

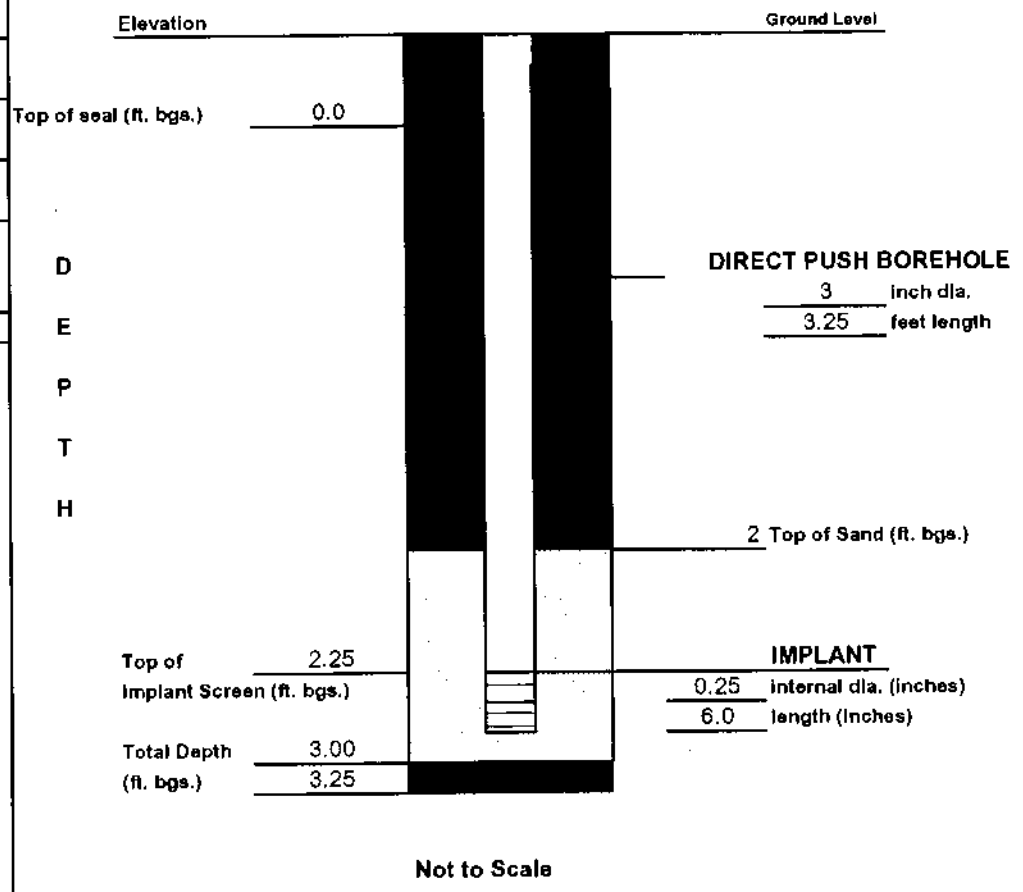
Driller: Liam Cummins

Rig Make/Model: Geoprobe 5400

Date: 7/25/2006

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Grass	**Type:** 6-inch stainless steel implant	Type: #1 Sand Setting: 3.0-2.0
Well: 3/8-inch OD polyethylene tubing	**Pore Diameter:** 0.0057-inch	**SEAL MATERIAL**
		Type: Bentonite Setting: 3.25-3.0, 2.0-0.0
		Grout Setting: NA
		Concrete Setting: NA

COMMENTS:

Implant connected to anchor point at bottom of boring. 3/8-inch outside diameter (OD) poly tubing connected from implant to surface for soil gas sampling.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Bomax Site**	**Project No.: 11174772**
URS Corporation	**SOIL GAS IMPLANT CONSTRUCTION DETAILS**	**Well Number: 623009-V-1S**

J:\11174772.00000\EXCEL\[Bomax Soil Gas Construction Dwgs.xls]623009-V-1S

DRILLING SUMMARY

Geologist: John Boyd

Drilling Company: Geologic NY, Inc.

Driller: Liam Cummins

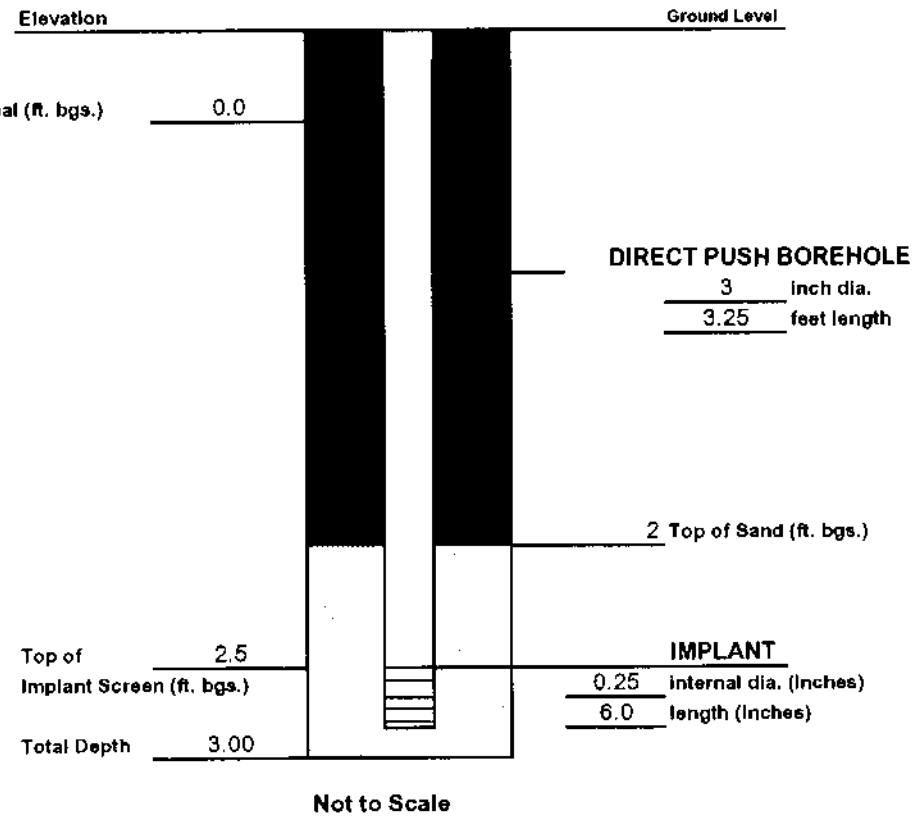
Rig Make/Model: Geoprobe 5400

Date: 7/25/2006

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log

DEPTH



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Blacktop	**Type:** 6-inch stainless steel implant	Type: #1 Sand Setting: 3.0-2.0
Well: 3/8-inch OD polyethylene tubing	**Pore Diameter:** 0.0057-inch	**SEAL MATERIAL**
		Type: Bentonite Setting: 2.0-0.0
		Grout Setting: NA
		Concrete Setting: NA

COMMENTS:

Implant connected to anchor point at bottom of boring. 3/8-inch outside diameter (OD) poly tubing connected from implant to surface for soil gas sampling.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Bomax Site**	**Project No.: 11174772**
URS Corporation	**SOIL GAS IMPLANT CONSTRUCTION DETAILS**	**Well Number: 623009-V-2S**

J:\11174772.00000\EXCEL\[Bomax Soil Gas Construction Dwgs.xls]623009-V-2S

DRILLING SUMMARY

Geologist: John Boyd

Drilling Company: Geologic NY, Inc.

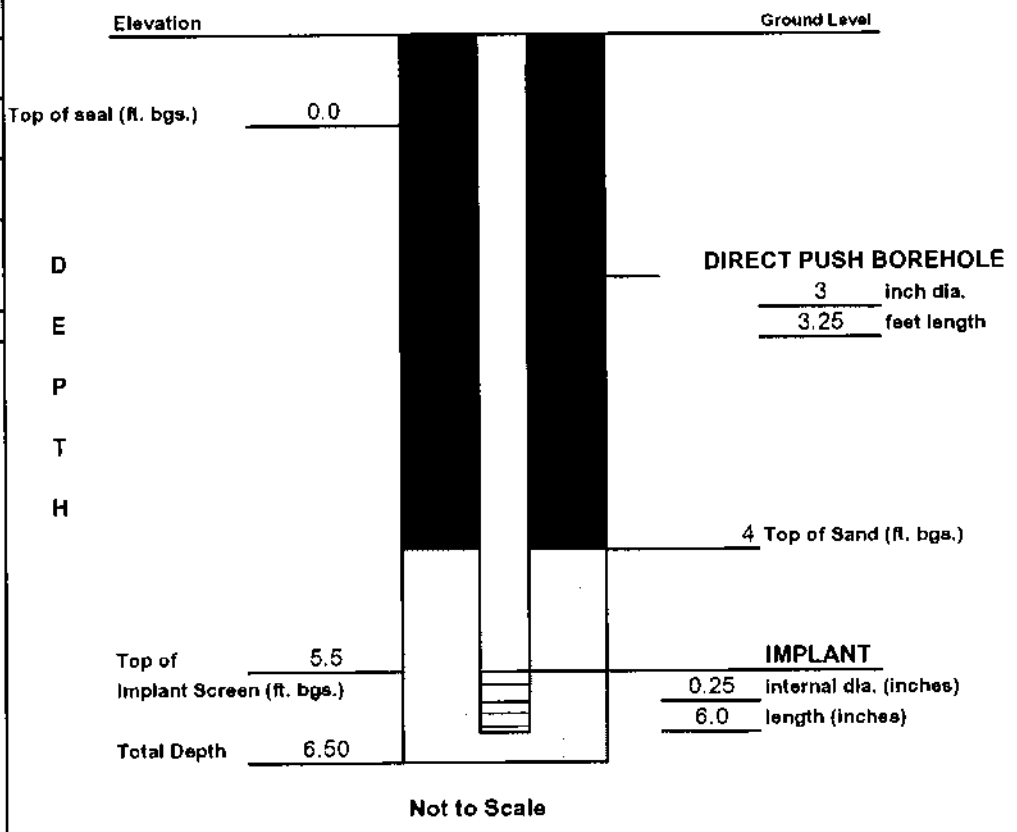
Driller: Liam Cummins

Rig Make/Model: Geoprobe 5400

Date: 7/25/2006

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Grass	**Type:** 6-inch stainless steel implant	Type: #1 Sand Setting: 6.5-4.0
Well: 3/8-inch OD polyethylene tubing	**Pore Diameter:** 0.0057-inch	**SEAL MATERIAL**
		Type: Bentonite Setting: 4.0-0.0
		Grout Setting: NA
		Concrete Setting: NA

COMMENTS:

Implant connected to anchor point at bottom of boring. 3/8-inch outside diameter (OD) poly tubing connected from implant to surface for soil gas sampling.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Bomax Site**	**Project No.: 11174772**
URS Corporation	**SOIL GAS IMPLANT CONSTRUCTION DETAILS**	**Well Number: 623009-V-3S**

J:\11174772.00000\EXCEL\[Bomax Soil Gas Construction Dwgs.xls]623009-V-3S

DRILLING SUMMARY

Geologist: John Boyd

Drilling Company: Geologic NY, Inc.

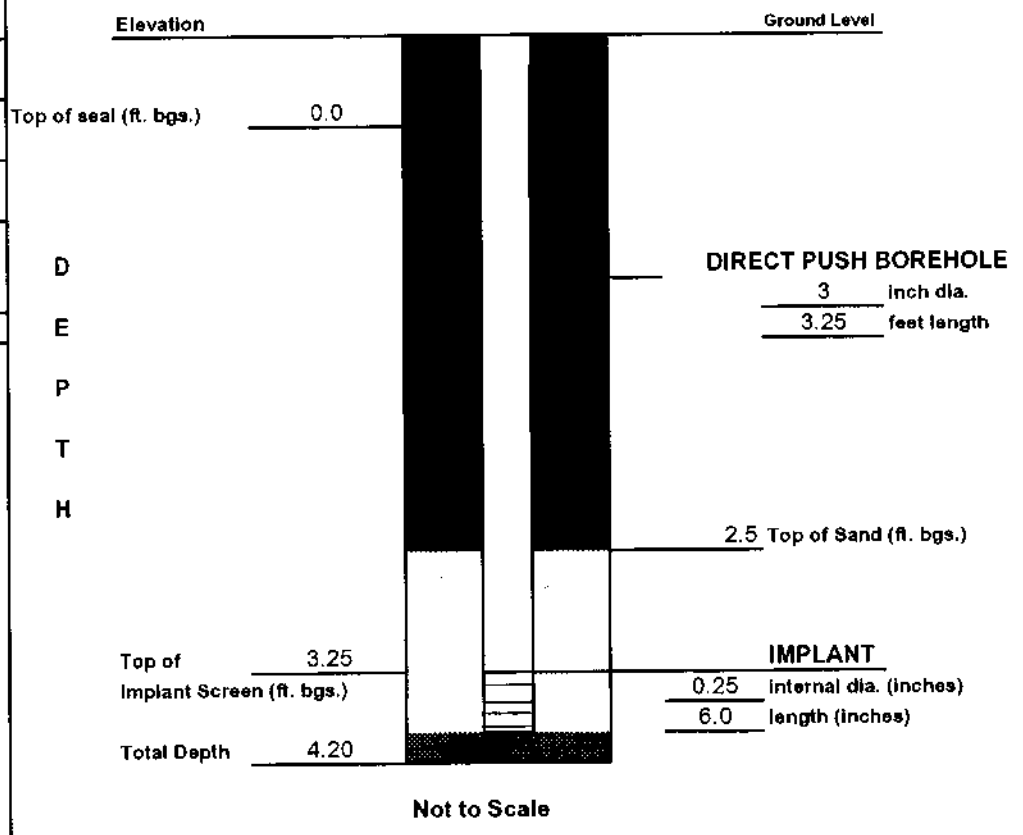
Driller: Liam Cummins

Rig Make/Model: Geoprobe 5400

Date: 7/25/2006

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Grass	**Type:** 6-inch stainless steel implant	**Type:** #1 Sand **Setting:** 3.75-2.5
Well: 3/8-inch OD polyethylene tubing	**Pore Diameter:** 0.0057-inch	**SEAL MATERIAL**
		Type: Bentonite **Setting:** 4.2-3.75, 2.5-0.0
		Grout **Setting:** NA
		Concrete **Setting:** NA

COMMENTS:

Implant connected to anchor point at bottom of boring. 3/8-inch outside diameter (OD) poly tubing connected from implant to surface for soil gas sampling.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Bomax Site**	**Project No.: 11174772**
URS Corporation	**SOIL GAS IMPLANT CONSTRUCTION DETAILS**	**Well Number: 623009-V-4S**

J:\11174772.00000\EXCEL\[Bomax Soil Gas Construction Dwgs.xls]623009-V-4S

DRILLING SUMMARY

Geologist: John Boyd

Drilling Company: Geologic NY, Inc.

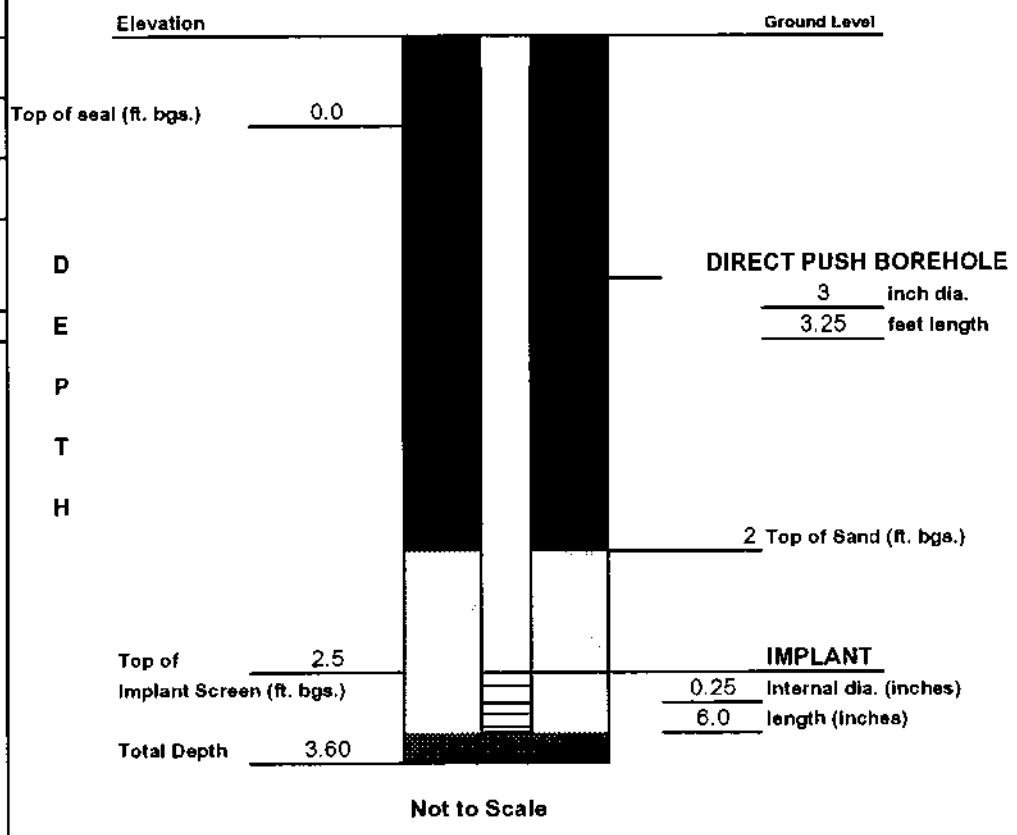
Driller: Liam Cummins

Rig Make/Model: Geoprobe 5400

Date: 7/25/2006

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Grass	**Type:** 6-inch stainless steel implant	**Type:** #1 Sand **Setting:** 3.0-2.0
Well: 3/8-inch OD polyethylene tubing	**Pore Diameter:** 0.0057-inch	**SEAL MATERIAL**
		Type: Bentonite **Setting:** 3.7-3.0, 2.0-0.0
		Grout **Setting:** NA
		Concrete **Setting:** NA

COMMENTS:

Implant connected to anchor point at bottom of boring. 3/8-inch outside diameter (OD) poly tubing connected from implant to surface for soil gas sampling.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Bomax Site**	**Project No.: 11174772**
URS Corporation	**SOIL GAS IMPLANT CONSTRUCTION DETAILS**	**Well Number: 623009-V-5S**

J:\11174772.00000\EXCEL\[Bomax Soil Gas Construction Dwgs.xls]623009-V-5S

DRILLING SUMMARY

Geologist: John Boyd

Drilling Company: Geologic NY, Inc.

Driller: Liam Cummins

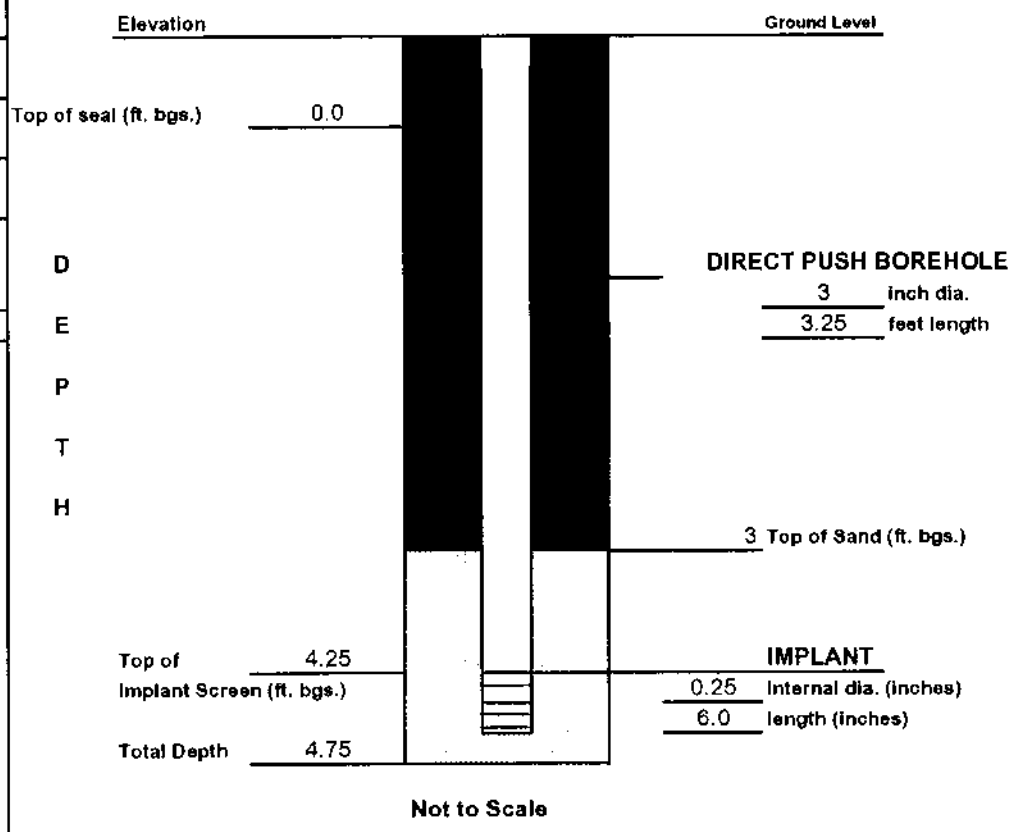
Rig Make/Model: Geoprobe 5400

Date: 7/25/2006

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log

D
E
P
T
H



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL		
Surface:	Grass	**Type:**	6-inch stainless steel implant	Type: #1 Sand	**Setting:**	4.75-3.0
				SEAL MATERIAL		
Well:	3/8-inch OD polyethylene tubing	**Pore Diameter:**	0.0057-inch	Type: Bentonite	**Setting:**	3.0-0.0
				Grout	**Setting:**	NA
				Concrete	**Setting:**	NA

COMMENTS:

Implant connected to anchor point at bottom of boring. 3/8-inch outside diameter (OD) poly tubing connected from implant to surface for soil gas sampling.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Bomax Site**	**Project No.: 11174772**
URS Corporation	**SOIL GAS IMPLANT CONSTRUCTION DETAILS**	**Well Number: 623009-V-6S**

J:\11174772.00000\EXCEL\[Bomax Soil Gas Construction Dwgs.xls]623009-V-6S

DRILLING SUMMARY

Geologist: John Boyd

Drilling Company: Geologic NY, Inc.

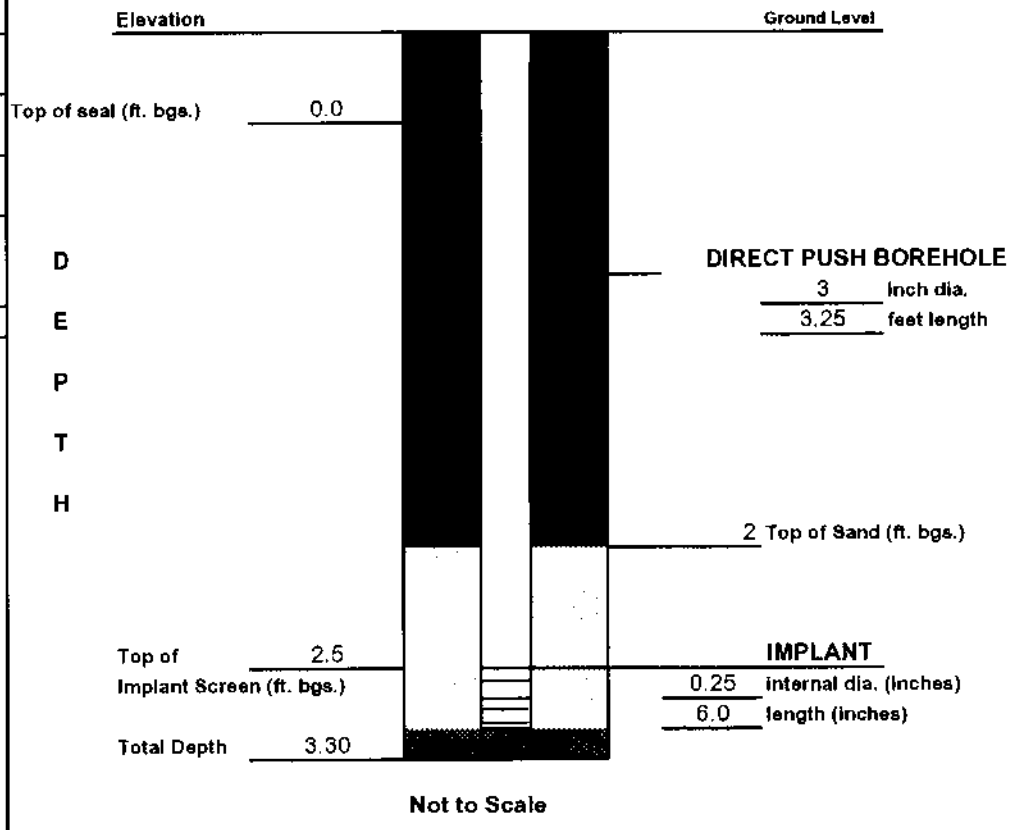
Driller: Liam Cummins

Rig Make/Model: Geoprobe 5400

Date: 7/25/2006

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Grass	**Type:** 6-inch stainless steel implant	**Type:** #1 Sand **Setting:** 3.0-2.0
Well: 3/8-inch OD polyethylene tubing	**Pore Diameter:** 0.0057-inch	**SEAL MATERIAL**
		Type: Bentonite **Setting:** 3.3-3.0, 2.0-0.0
		Grout **Setting:** NA
		Concrete **Setting:** NA

COMMENTS:

Implant connected to anchor point at bottom of boring. 3/8-inch outside diameter (OD) poly tubing connected from implant to surface for soil gas sampling.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location:** Bomax Site	**Project No.:** 11174772
URS Corporation	SOIL GAS IMPLANT CONSTRUCTION DETAILS	**Well Number:** 623009-V-7S

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DRILLING SUMMARY

Geologist: John Boyd

Drilling Company: Geologic NY, Inc.

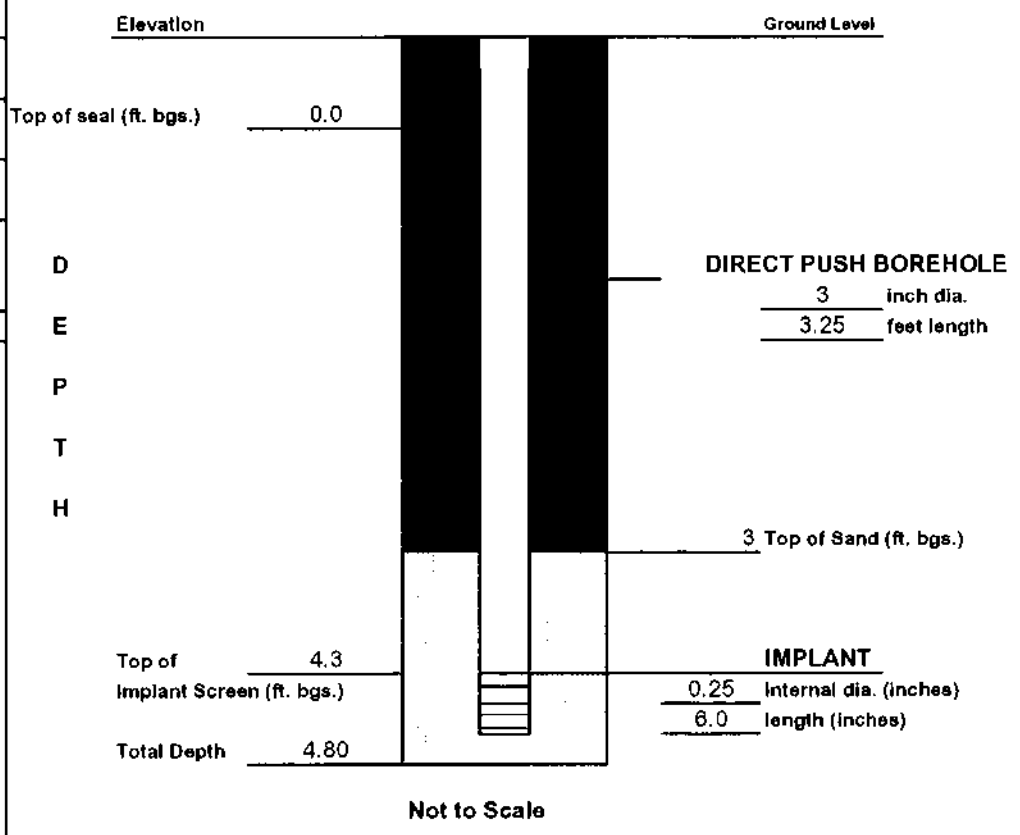
Driller: Liam Cummins

Rig Make/Model: Geoprobe 5400

Date: 7/25/2006

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL		
Surface:	Grass	**Type:**	6-inch stainless steel implant	**Type:** #1 Sand	**Setting:**	4.8-3.0
				SEAL MATERIAL		
Well:	3/8-inch OD polyethylene tubing	**Pore Diameter:**	0.0057-inch	**Type:** Bentonite	**Setting:**	3.0-0.0
				Grout	**Setting:**	NA
				Concrete	**Setting:**	NA

COMMENTS:

Implant connected to anchor point at bottom of boring. 3/8-inch outside diameter (OD) poly tubing connected from implant to surface for soil gas sampling.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Bomax Site**	**Project No.: 11174772**
URS Corporation	**SOIL GAS IMPLANT CONSTRUCTION DETAILS**	**Well Number: 623009-V-8S**

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DRILLING SUMMARY

Geologist: John Boyd

Drilling Company: Geologic NY, Inc.

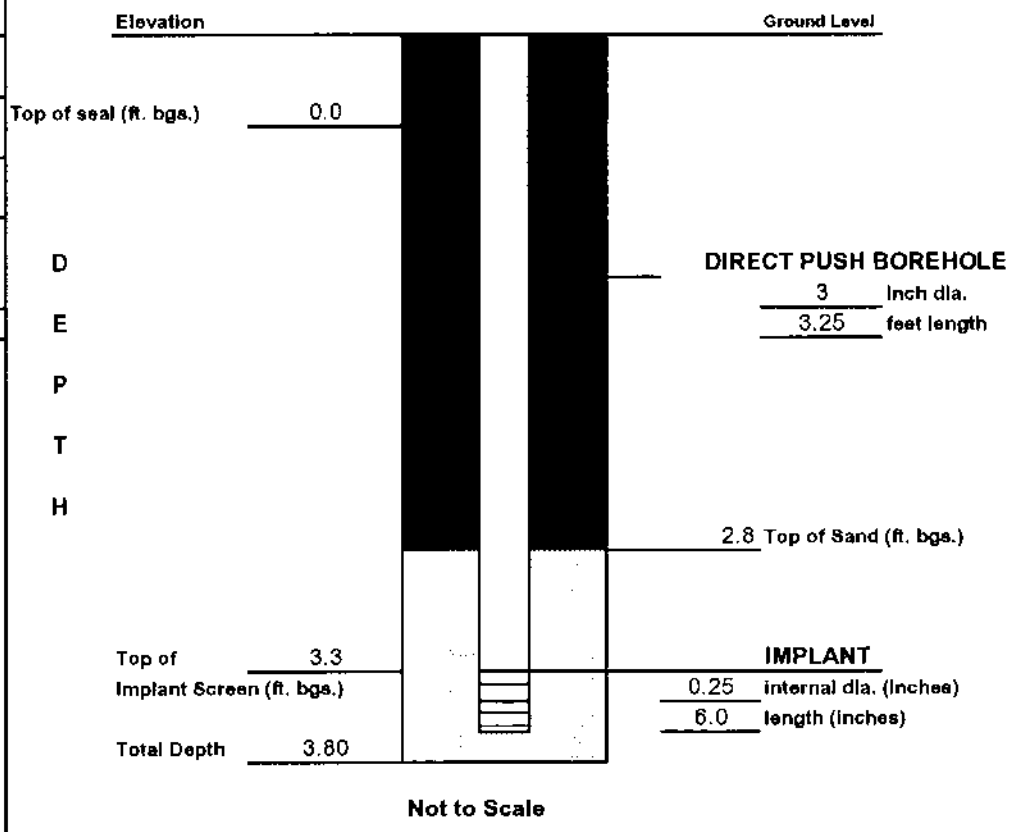
Driller: Liam Cummins

Rig Make/Model: Geoprobe 5400

Date: 7/25/2006

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log



WELL DESIGN

CASING MATERIAL		SCREEN MATERIAL		FILTER MATERIAL		
Surface:	Grass	**Type:**	6-inch stainless steel implant	Type: #1 Sand	Setting:	3.8-2.8
				SEAL MATERIAL		
Well:	3/8-inch OD polyethylene tubing	**Pore Diameter:**	0.0057-inch	Type: Bentonite	Setting:	2.8-0.0
				Grout	Setting:	NA
				Concrete	Setting:	NA

COMMENTS:

Implant connected to anchor point at bottom of boring. 3/8-inch outside diameter (OD) poly tubing connected from implant to surface for soil gas sampling.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Bomax Site**	**Project No.: 11174772**
URS Corporation	**SOIL GAS IMPLANT CONSTRUCTION DETAILS**	**Well Number: 623009-V-9S**

J:\11174772.00000\EXCEL\[Bomax Soil Gas Construction Dwgs.xls]623009-V-9S

DRILLING SUMMARY

Geologist: John Boyd

Drilling Company: Geologic NY, Inc.

Driller: Liam Cummins

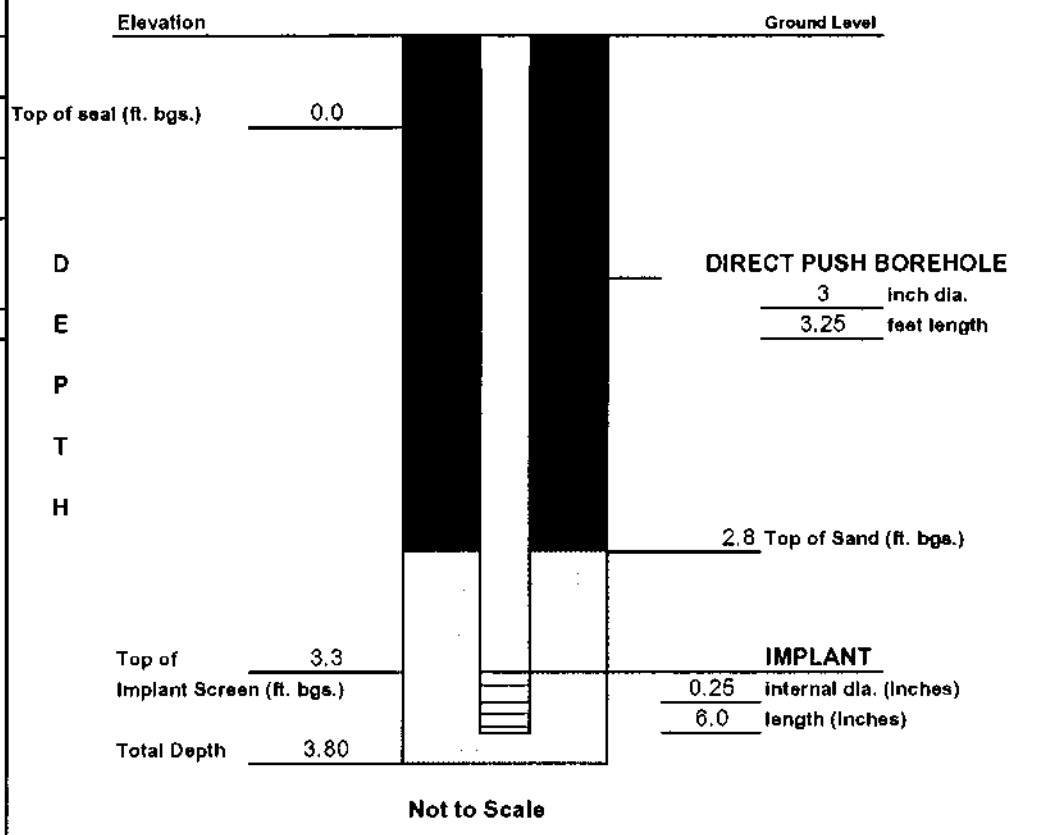
Rig Make/Model: Geoprobe 5400

Date: 7/25/2006

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log

WELL DESIGN



CASING MATERIAL	*SCREEN MATERIAL*	*FILTER MATERIAL*
Surface: Grass	**Type:** 6-inch stainless steel implant	**Type:** #1 Sand **Setting:** 3.8-2.8
Well: 3/8-inch OD polyethylene tubing	**Pore Diameter:** 0.0057-inch	***SEAL MATERIAL***
		Type: Bentonite **Setting:** 2.8-0.0
		Grout **Setting:** NA
		Concrete **Setting:** NA

COMMENTS:

Implant connected to anchor point at bottom of boring. 3/8-inch outside diameter (OD) poly tubing connected from implant to surface for soil gas sampling.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Bomax Site**	**Project No.: 11174772**
URS Corporation	**SOIL GAS IMPLANT CONSTRUCTION DETAILS**	**Well Number: 623009-V-10S**

J:\11174772.00000\EXCEL\[Bomax Soil Gas Construction Dwgs.xls]623009-V-10S

DRILLING SUMMARY

Geologist: John Boyd

Drilling Company: Geologic NY, Inc.

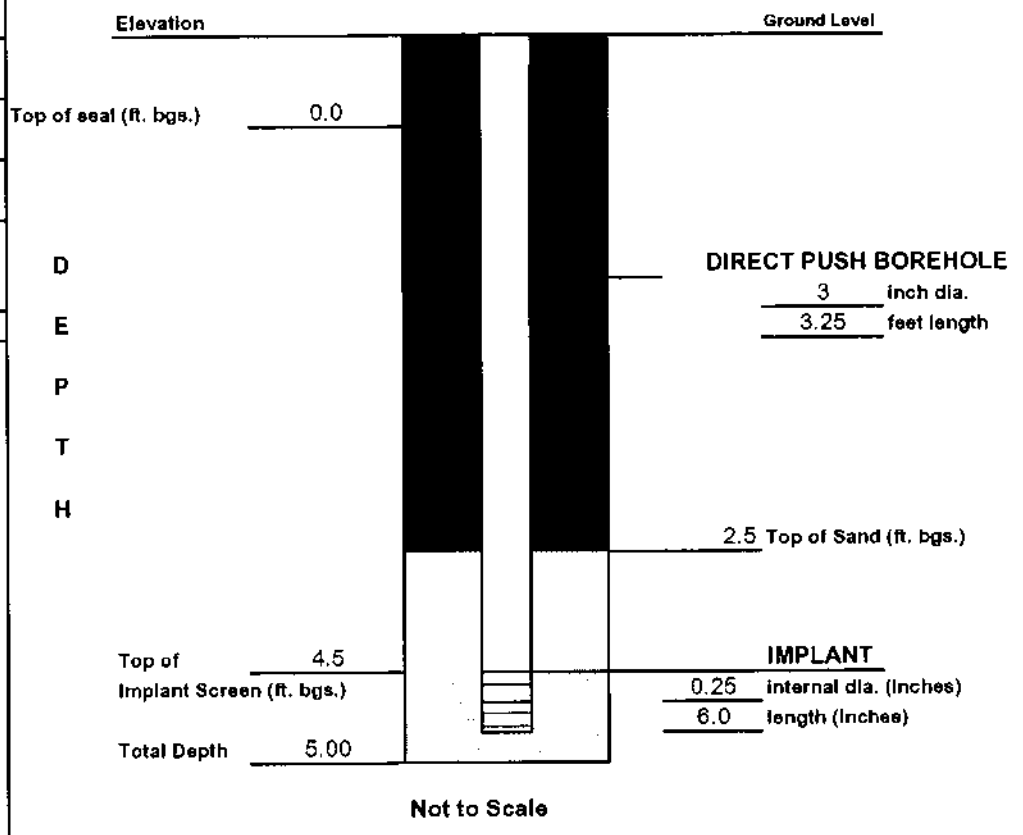
Driller: Liam Cummins

Rig Make/Model: Geoprobe 5400

Date: 7/25/2006

GEOLOGIC LOG

Depth(ft.)	Description
	See Boring Log



WELL DESIGN

CASING MATERIAL	SCREEN MATERIAL	FILTER MATERIAL
Surface: Grass	**Type:** 6-inch stainless steel implant	**Type:** #1 Sand **Setting:** 5.0-2.5
Well: 3/8-inch OD polyethylene tubing	**Pore Diameter:** 0.0057-inch	**SEAL MATERIAL**
		Type: Bentonite **Setting:** 2.5-0.0
		Grout **Setting:** NA
		Concrete **Setting:** NA

COMMENTS:

Implant connected to anchor point at bottom of boring. 3/8-inch outside diameter (OD) poly tubing connected from implant to surface for soil gas sampling.

LEGEND

- Cement/Bentonite Grout
- Bentonite Seal
- Silica Sandpack

Client: NYSDEC	**Location: Bomax Site**	**Project No.: 11174772**
URS Corporation	**SOIL GAS IMPLANT CONSTRUCTION DETAILS**	**Well Number: 623009-V-11S**

J:\11174772.00000\EXCEL\[Bomax Soil Gas Construction Dwgs.xls]623009-V-11S

ATTACHMENT B

PHOTOGRAPH LOG



623009-V-8S
Bomax Manufacturing Site



623009-V-5S
Bomax Manufacturing Site



623009-V-5S
Bomax Manufacturing Site



623009-V-7S
Bomax Manufacturing Site



623009-V-6S
Bomax Manufacturing Site



623009-V-4S
Bomax Manufacturing Site



623009-V-2S
Bomax Manufacturing Site



623009-V-1S
Bomax Manufacturing Site



623009-V-11S
Bomax Manufacturing Site



623009-V-10S
Bomax Manufacturing Site



623009-V-9S
Bomax Manufacturing Site

ATTACHMENT C

DATA SUMMARY USABILITY REPORT

DATA USABILITY SUMMARY REPORT

BOMAX MANUFACTURING

SITE NO. 6-23-009

WORK ASSIGNMENT D004433-05

Analyses Performed by:

CON-TEST ANALYTICAL LABORATORY
and MITKEM CORPORATION

Prepared by:

URS CORPORATION
77 GOODELL STREET
BUFFALO, NY 14203

OCTOBER 2006

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I. INTRODUCTION 1

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION 1

III. DATA DELIVERABLE COMPLETENESS 2

IV. HOLDING TIMES/SAMPLE RECEIPT 2

V. NONCONFORMANCES 3

VI. SAMPLE RESULTS AND REPORTING 4

VII. SUMMARY 5

TABLES
(Following Text)

Table 1 Summary of Data Qualifications

Table 2 Validated Groundwater Sample Analytical Results

Table 3 Validated Soil Gas Sample Analytical Results

Table 4 Validated Field QC Sample analytical Results

ATTACHMENTS

Attachment A Validated Form 1's

Attachment B Support Documentation

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *Guidance for the Development of Data Usability Summary Reports*, dated June 1999. Analytical data for the soil gas and groundwater samples collected on July 25-27, 2006 are discussed in this DUSR.

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION

The groundwater data being evaluated are from the July 25, 2006 sampling of four groundwater samples, one matrix spike/matrix spike duplicate (MS/MSD) pair, and one trip blank. The analytical laboratory that performed the analyses is Mitkem Corporation, located in Warwick, RI. The groundwater samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs) following USEPA Method 8260B.

The soil gas data being evaluated are from the July 26-27, 2006 sampling of 10 soil gas samples and 1 field duplicate. The analytical laboratory that performed the analyses is Con-Test Analytical Laboratory, located in East Longmeadow, MA. The samples were analyzed for TCL VOCs following United States Environmental Protection Agency (USEPA) Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, Second Edition, January 1999, Method TO-15, *Determination of VOCs in Air Collected in Specially Prepared Canisters and Analyzed By Gas Chromatography/Mass Spectrometry (GC/MS)*.

A limited data validation was performed on the samples following the guidelines in USEPA Region II *Validating Canisters of Volatile Organics in Ambient Air*, Rev. 0, April 1994, and USEPA Region II *Standard Operating Procedure for the Validation of Organic Data Acquired using SW-846 Method 8260B*, SOP HW-24, Revision 1, June 1999. The validation consisted of a review of the deliverable completeness, quality control and instrument calibration data, and verification of sample results.

Qualifications applied to the data include 'J' (estimated concentration), 'UJ' (estimated quantitation limit), and 'NJ' (presumptive presence of a compound /estimated concentration). Copies of the validated laboratory results (i.e., Form 1's) are presented in Attachment A. Documentation supporting the qualification of data is presented in Attachment B. Only problems affecting data usability are discussed in this report.

Table 1 summarizes the qualifications applied to the sample results. The validated analytical results are presented on Tables 2, 3, and 4.

III. DATA DELIVERABLE COMPLETENESS

Full deliverable data packages [(i.e., NYSDEC Analytical Services Protocol (ASP) Category B or equivalent)] were provided by the laboratories, and included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

IV. HOLDING TIMES/SAMPLE RECEIPT

All samples were received by the laboratories intact and under proper chain-of-custody.

The secondary dilution analysis of groundwater sample 623009-GW-5 was analyzed outside of the USEPA Region II technical holding time for volatile aromatic hydrocarbons in unpreserved aqueous samples, which is seven days from the time of sample collection. The detected results for ethyl benzene and total xylene reported from the secondary dilution of this sample have been qualified 'J'. This diluted analysis was also performed past the ASP contractual holding time of seven days from the validated time of sample receipt (VTSR) at the laboratory.

There are no contractual holding times specified in the June 2000 version of the NYSDEC ASP for VOC analysis of air samples collected in Summa® canisters. However, the USEPA Region II technical holding time for air samples collected in Summa® canisters is seven (7) days for polar compounds (e.g. alcohols, ketones) and fourteen (14) days for non-polar compounds from VTSR at

the laboratory. It should be noted that USEPA Method TO-15 indicates storage stability for many VOCs in Summa® canisters over a period of up to 30 days.

Soil gas samples 623009-V-01S, 623009-V-02S, 623009-V-04S, and 623009-V-08S were analyzed outside of the USEPA Region II technical holding time of 7 days from VTSR for polar VOCs. The results for acetone, 2-butanone, 4-methyl-2-pentanone (MIBK), and 2-hexanone were qualified 'UJ' or 'J' in these samples.

V. NONCONFORMANCES

- Continuing Calibrations

The percent difference (%D) between the initial calibration (ICAL) average relative response factor (RRF) and the RRF in one of the continuing calibration (CCAL) standards associated with the groundwater and trip blank samples exceeded the quality control (QC) limit of 20% for dichlorodifluoromethane, 1,2-dibromo-3-chloropropane, and 1,2,4-trichlorobenzene. The results for these compounds in the associated groundwater and trip blank samples listed on Table 1 have been qualified 'UJ'.

The %D between the ICAL average RRF and the RRF in one of the CCAL standard associated with the soil gas samples exceeded the QC limit of 25% for acetone. The results for this compound in the associated soil gas samples listed on Table 1 have been qualified 'J' or 'UJ'.

Documentation supporting the qualification of data [i.e., Forms 5 and 7 (groundwater), instrument run log and CCAL summary form (soil gas)] is presented in Attachment B.

- Laboratory Control Samples

The recovery percentage (%R) of chloroform was below the QC limit in the laboratory control sample associated with all groundwater and trip blank samples. The results for chloroform in these samples have been qualified 'J' or 'UJ', as listed on Table 1.

Documentation supporting the qualification of data (i.e., Form 3) is presented in Attachment B.

- Internal Standards

The recovery percentages of all internal standards (fluorobenzene, chlorobenzene-d5, and 1,4-dichlorobenzene-d4) were below the lower QC limits in the undiluted analysis of groundwater sample 623009-GW-5. The sample was re-analyzed at a dilution due to elevated levels of target compounds and showed acceptable recoveries for all of the internal standards. All compounds reported from the undiluted analysis of this sample have been qualified 'J' or 'UJ'. The results from the diluted analysis (i.e., those qualified 'D') did not require qualification except where noted otherwise in this report.

Documentation supporting the qualification of data (e.g. IS Form 8) is presented in Attachment B.

VI. SAMPLE RESULTS AND REPORTING

All quantitation limits (QLs) were reported in accordance with method requirements and were adjusted for sample size and dilution factors. Results below the QL were qualified 'J' by the laboratory. Results reported from a secondary dilution were qualified 'D' by the laboratory.

Groundwater sample 623009-GW-7 was initially analyzed undiluted. A further dilution of 25x was required due to elevated levels of chloroethane, 1,1-dichloroethane, 1,1,1-trichloroethane, and 1,1,2-trichloro-1,2,2-trifluoroethane.

Groundwater sample 623009-GW-5 was initially analyzed undiluted. A further dilution of 1000x was required due to elevated levels of 1,1,1-trichloroethane, ethylbenzene, total xylene, and 1,1,2-trichloro-1,2,2-trifluoroethane. Due to the high dilution level (i.e., 1000x) some compounds

that were present in the undiluted analysis at concentrations exceeding the range of calibration (i.e., qualified 'E' by the laboratory), were non-detect in the secondary dilution. The affected results for methylene chloride, 1,1-dichloroethane, and tetrachloroethene have been reported from the undiluted analysis and the 'E' qualifier applied by the laboratory was changed to 'J' during validation due to the calibration range exceedances.

In all soil gas samples the following compounds were analyzed as tentatively identified compounds (TICs) because the laboratory did not have sufficient time to obtain the necessary calibration standards, complete method detection limit (MDL) studies, and calibrate the instrument prior to the arrival of the samples: bromoform, methyl acetate, methylcyclohexane, isopropylbenzene, and 1,2-dibromo-3-chloropropane. However, the laboratory successfully performed MDL studies and calibrated the instrument for these compounds shortly after the samples were analyzed, and demonstrated that they were capable of quatitating the compounds at concentrations equivalent to the QLs reported on Table 3. Typically, QLs are not reported for TICs. As a conservative measure, the results for these compounds in all soil gas samples have been qualified 'NJ' or 'UJ'.

Soil gas samples 623009-V-08S and 623009-V-04S were not sampled for the specified time period (i.e., two hours) due to a malfunction of the pressure gauges provided by the laboratory. As a result, the canisters were not completely filled during collection and these samples were analyzed at dilutions resulting from the limited sample volume. The reported quantatitation limits reported represent the lowest achievable at the dilutions utilized.

Soil gas samples 623009-V-05S, 623009-V-06S, 623009-V-07S, and 20060727-FD-1 (623009-V-07S) were analyzed at an initial dilution of 5x. Further dilutions were required due to elevated levels of target compounds.

VII. SUMMARY

All sample analyses were found to be compliant with the method criteria, except where previously noted. Those results qualified 'J' (estimated), 'UJ' (estimated quantitation limit), and 'NJ' (presumptive presence of a compound /estimated concentration) are considered conditionally usable. All other sample results are usable as reported. URS does not recommend the re-collection of any samples at this time.

Prepared By: **Ann Marie Kropovitch, Chemist** **Date:** 10/24/06

Reviewed By: **James J. Lehnen, Senior Chemist** **Date:** 10/24/06

DEFINITIONS OF USEPA REGION II DATA QUALIFIERS

U – The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R – The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

D – The sample results are reported from a separate secondary dilution analysis.

NJ – Presumptive evidence of a compound at an estimated value.

TABLE 1

SUMMARY OF DATA QUALIFICATIONS
BOMAX MANUFACTURING – SITE # 6-23-009
NYSDEC W.A. # D004433-05

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
Groundwater sample 623009-GW-5 (dilution only)	VOCs	Analyzed outside of the 7-day (from collection) technical holding time for aromatic hydrocarbons in unpreserved samples.	Qualify detected results for ethyl benzene and total xylene 'J'.
Groundwater samples 623009-GW-1, 623009-GW-2, 623009-GW-5, 623009-GW-7, Trip Blank	VOCs	%R of chloroform < QC limit in LCS.	Qualify detected results 'J' and non-detected results 'UJ'.
Groundwater samples 623009-GW-1, 623009-GW-2, 623009-GW-7, Trip Blank	VOCs	CCAL %D > 20% for dichlorodifluoromethane, 1,2-dibromo-3-chloropropane, and 1,2,4-trichlorobenzene.	Qualify non-detected results 'UJ'.
Groundwater sample 623009-GW-5 (undiluted analysis only)	VOCs	%R of IS fluorobenzene, chlorobenzene-d5, and 1,4-dichlorobenzene-d4 < QC limit.	Qualify detected results 'J' and non-detected results 'UJ'.
Groundwater sample 623009-GW-5 (undiluted analysis only)	VOCs	Results exceeded calibration range for methylene chloride, 1,1-dichloroethane, and tetrachloroethene	Change 'E' qualifier applied by laboratory to 'J'.
Soil gas samples 623009-V-01S, 623009-V-02S, 623009-V-04S, 623009-V-08S	VOCs	Analyzed outside of the 7-day (from VTSR) technical holding time for polar VOCs [i.e., acetone, 2-butanone, 4-methyl-2-pentaone, (MIBK), and 2-hexanone].	Qualify detected results 'J' and non-detected results 'UJ'.
Soil gas samples 20060727-FD-1 (623009-V-07S), 623009-V-05S, 623009-V-06S, 623009-V-07S, 623009-V-09S, 623009-V-10S, 623009-V-11S	VOCs	CCAL %D > 25% for acetone.	Qualify detected results 'J' and non-detected results 'UJ'.
Soil gas samples 20060727-FD-1 (623009-V-7S), 623009-V-01S, 623009-V-02S, 623009-V-04S, 623009-V-05S, 623009-V-06S, 623009-V-07S, 623009-V-08S, 623009-V-09S, 623009-V-10S, 623009-V-11S	VOCs	Analyzed as TICs: bromoform, methyl acetate, methylcyclohexane, isopropylbenzene, and 1,2-dibromo-3-chloropropane.	Qualify detected results 'NJ' and non-detected results 'UJ'.

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID			GW-01	GW-02	GW-05	GW-07
Sample ID			623009-GW-1	623009-GW-2	623009-GW-5	623009-GW-7
Matrix			Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-
Date Sampled			07/25/06	07/25/06	07/25/06	07/25/06
Parameter	**Units**	*				
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	5	12	5 U	34,000 D	1,800 D
1,1,2,2-Tetrachloroethane	UG/L	5	5 U	5 U	5 UJ	5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5	5 U	5 U	31,000 D	430 D
1,1,2-Trichloroethane	UG/L	1	5 U	5 U	5 UJ	4 J
1,1-Dichloroethane	UG/L	5	4 J	5 U	2,500 J	2,700 D
1,1-Dichloroethene	UG/L	5	5 U	5 U	5 UJ	130
1,2,4-Trichlorobenzene	UG/L	5	5 UJ	5 UJ	5 UJ	5 UJ
1,2-Dibromo-3-chloropropane	UG/L	0.04	5 UJ	5 UJ	5 UJ	5 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	0.006	5 U	5 U	5 UJ	5 U
1,2-Dichlorobenzene	UG/L	3	5 U	5 U	5 UJ	5 U
1,2-Dichloroethane	UG/L	0.6	5 U	5 U	19 J	15
1,2-Dichloroethene (cis)	UG/L	5	5 U	5 U	5 J	8
1,2-Dichloroethene (trans)	UG/L	5	5 U	5 U	5 UJ	5 U
1,2-Dichloropropane	UG/L	1	5 U	5 U	5 UJ	5 U
1,3-Dichlorobenzene	UG/L	3	5 U	5 U	5 UJ	5 U
1,3-Dichloropropene (cis)	UG/L	0.4	5 U	5 U	5 UJ	5 U
1,3-Dichloropropene (trans)	UG/L	0.4	5 U	5 U	5 UJ	5 U
1,4-Dichlorobenzene	UG/L	3	5 U	5 U	5 UJ	5 U
2-Hexanone	UG/L	50	5 U	5 U	5 UJ	5 U
4-Methyl-2-pentanone	UG/L	50	5 U	5 U	5 UJ	5 U
Acetone	UG/L	50	5 U	5 U	5 UJ	5 U
Benzene	UG/L	1	5 U	5 U	1 J	5 U

*- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds

Made By AMK 10/24/06

Checked By JJL 10/24/06

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID			GW-01	GW-02	GW-05	GW-07
Sample ID			623009-GW-1	623009-GW-2	623009-GW-5	623009-GW-7
Matrix			Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-
Date Sampled			07/25/06	07/25/06	07/25/06	07/25/06
Parameter	**Units**	*				
Volatile Organic Compounds						
Bromodichloromethane	UG/L	50	5 U	5 U	5 UJ	5 U
Bromoform	UG/L	50	5 U	5 U	5 UJ	5 U
Bromomethane	UG/L	5	5 U	5 U	5 UJ	5 U
Carbon disulfide	UG/L	60	5 U	5 U	5 UJ	5 U
Carbon tetrachloride	UG/L	5	5 U	5 U	5 UJ	5 U
Chlorobenzene	UG/L	5	5 U	5 U	5 UJ	5 U
Chloroethane	UG/L	5	5 U	5 U	41 J	3,300 D
Chloroform	UG/L	7	5 UJ	5 UJ	5 UJ	5 UJ
Chloromethane	UG/L	5	5 U	5 U	5 UJ	5 U
Cyclohexane	UG/L	50	5 U	5 U	5 UJ	5 U
Dibromochloromethane	UG/L	50	5 U	5 U	5 UJ	5 UJ
Dichlorodifluoromethane	UG/L	5	5 UJ	5 UJ	5 UJ	5 UJ
Ethylbenzene	UG/L	5	5 U	5 U	2,500 DJ	5 U
Isopropylbenzene (Cumene)	UG/L	5	5 U	5 U	8 J	5 U
Methyl acetate	UG/L	50	5 U	5 U	5 UJ	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	5 U	5 U	24 J	62
Methyl tert-butyl ether	UG/L	10	5 U	5 U	5 UJ	5 U
Methylcyclohexane	UG/L	50	5 U	5 U	8 J	5 U
Methylene chloride	UG/L	5	5 U	5 U	520 J	5 U
Styrene	UG/L	5	5 U	5 U	5 UJ	5 U
Tetrachloroethene	UG/L	5	5 U	5 U	570 J	5 U
Toluene	UG/L	5	5 U	5 U	45 J	5

*- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

( ) Concentration Exceeds

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

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TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID			GW-01	GW-02	GW-05	GW-07
Sample ID			623009-GW-1	623009-GW-2	623009-GW-5	623009-GW-7
Matrix			Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-
Date Sampled			07/25/06	07/25/06	07/25/06	07/25/06
Parameter	**Units**	*				
Volatile Organic Compounds						
Trichloroethene	UG/L	5	5 U	5 U	15 J	4 J
Trichlorofluoromethane	UG/L	5	5 U	5 U	5 UJ	5 U
Vinyl chloride	UG/L	2	5 U	5 U	5 UJ	5 U
Xylene (total)	UG/L	5	5 U	5 U	11,000 DJ	5 U

*- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. April 2000, Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

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TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-01S	V-02S	V-04S	V-05S	V-06S
Sample ID		623009-V-01S	623009-V-02S	623009-V-04S	623009-V-06S	623009-V-06S
Matrix		Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/26/06	07/26/06	07/26/06	07/27/06	07/27/06
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	320	0.6	300	67,000	81
1,1,2,2-Tetrachloroethane	UG/M3	0.6 U	0.6 U	5.6 U	7.0 U	7.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	4.8	0.9	6.0 U	350,000	740
1,1,2-Trichloroethane	UG/M3	0.5 U	0.5 U	4.4 U	5.5 U	5.5 U
1,1-Dichloroethane	UG/M3	80	0.4 U	3.7	2,800	880
1,1-Dichloroethene	UG/M3	0.4 U	0.4 U	3.2 U	1,300	740
1,2,4-Trichlorobenzene	UG/M3	0.6 U	0.6 U	6.0 U	7.5 U	7.5 U
1,2-Dibromo-3-chloropropane	UG/M3	0.51 UJ	0.51 UJ	5.1 UJ	6.4 UJ	6.4 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/M3	0.6 U	0.6 U	6.0 U	7.5 U	7.5 U
1,2-Dichlorobenzene	UG/M3	0.5 U	0.5 U	4.8 U	6.0 U	6.0 U
1,2-Dichloroethane	UG/M3	0.4 U	0.4 U	3.2 U	4.0 U	4.0 U
1,2-Dichloroethene (cis)	UG/M3	0.4 U	0.4 U	3.2 U	6.5	1,800
1,2-Dichloroethene (trans)	UG/M3	0.4 U	0.4 U	3.2 U	4.0 U	67
1,2-Dichloropropane	UG/M3	0.4 U	0.4 U	3.6 U	4.5 U	4.5 U
1,3-Dichlorobenzene	UG/M3	0.5 U	0.5 U	4.8 U	6.0 U	6.0 U
1,3-Dichloropropene (cis)	UG/M3	0.4 U	0.4 U	3.6 U	4.5 U	4.5 U
1,3-Dichloropropene (trans)	UG/M3	0.4 U	0.4 U	3.6 U	4.5 U	4.5 U
1,4-Dichlorobenzene	UG/M3	0.5 U	0.5 U	4.8 U	6.0 U	6.0 U
2-Hexanone	UG/M3	0.4 UJ	0.4 UJ	3.2 UJ	4.0 U	4.0 U
4-Methyl-2-pentanone	UG/M3	0.4 UJ	0.4 UJ	3.2 UJ	4.0 U	4.0 U
Acetone	UG/M3	92 J	180 J	2.0 UJ	2.5 UJ	2.5 UJ
Benzene	UG/M3	800	630	44	1,100	70
Bromodichloromethane	UG/M3	0.6 U	0.6 U	5.2 U	6.5 U	6.5 U

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Made By AMK 10/24/06
Checked By JJL 10/24/06

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[MATRIX] = 'GS'

Detection Limits shown are PQL

TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-01S	V-02S	V-04S	V-05S	V-06S
Sample ID		623009-V-01S	623009-V-02S	623009-V-04S	623009-V-05S	623009-V-06S
Matrix		Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/26/06	07/26/06	07/26/06	07/27/06	07/27/06
Parameter	Units					
Volatile Organic Compounds						
Bromoform	UG/M3	1.0 UJ	1.0 UJ	8.0 UJ	10 UJ	10 UJ
Bromomethane	UG/M3	0.4 U	0.4 U	3.2 U	4.0 U	4.0 U
Carbon disulfide	UG/M3	68	98	20	3.0 U	23
Carbon tetrachloride	UG/M3	0.6 U	0.6 U	5.2 U	6.5 U	6.5 U
Chlorobenzene	UG/M3	0.4 U	0.4 U	3.6 U	9.9	4.5 U
Chloroethane	UG/M3	0.2 U	0.2 U	2.0 U	42	16,000
Chloroform	UG/M3	7.3	3.9	4.0 U	5.0 U	5.0 U
Chloromethane	UG/M3	13	0.6	35	2.0 U	2.0 U
Cyclohexane	UG/M3	10	0.3 U	2.8 U	28	240
Dibromochloromethane	UG/M3	0.7 U	0.7 U	6.8 U	8.5 U	8.5 U
Dichlorodifluoromethane	UG/M3	0.5	0.4 U	4.0 U	5.0 U	5.0 U
Ethylbenzene	UG/M3	300	460	54	750	220
Isopropylbenzene (Cumene)	UG/M3	2.6 NJ	3.1 NJ	5.1 UJ	14 NJ	6.4 UJ
Methyl acetate	UG/M3	0.51 UJ	0.51 UJ	5.1 UJ	6.4 UJ	6.4 UJ
Methyl ethyl ketone (2-Butanone)	UG/M3	6.7 J	20 J	9.4 J	9.4	5.5
Methyl tert-butyl ether	UG/M3	3.6	6.5	2.8 U	18	3.5 U
Methylcyclohexane	UG/M3	24 NJ	8.2 NJ	21 NJ	167 NJ	780 NJ
Methylene chloride	UG/M3	0.3 U	1.4	11	230	3.5 U
Styrene	UG/M3	2.0	1.3	3.6 U	4.5 U	4.5 U
Tetrachloroethene	UG/M3	3.0	1.5	5.6 U	190	14
Toluene	UG/M3	2,800	3,000	270	4,700	690
Trichloroethene	UG/M3	0.5 U	0.5 U	4.4 U	10	61
Trichlorofluoromethane	UG/M3	0.7	1.4	4.4 U	5.5 U	5.5 U

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-01S	V-02S	V-04S	V-05S	V-06S
Sample ID		623009-V-01S	623009-V-02S	623009-V-04S	623009-V-05S	623009-V-06S
Matrix		Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/26/06	07/26/06	07/26/06	07/27/06	07/27/06
Parameter	Units					
Volatile Organic Compounds						
Vinyl chloride	UG/M3	0.2 U	0.2 U	2.0 U	2.5 U	590
Xylene (total)	UG/M3	650	900	138	1,020	560

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-07S	V-07S	V-08S	V-09S	V-10S
Sample ID		20060727-FD-1	623009-V-07S	623009-V-08S	623009-V-09S	623009-V-10S
Matrix		Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/27/06	07/27/06	07/27/06	07/26/06	07/26/06
Parameter	Units	Field Duplicate (1-1)				
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/M3	36,000	43,000	8.8 U	1,400	830
1,1,2,2-Tetrachloroethane	UG/M3	7.0 U	7.0 U	12 U	0.6 U	0.6 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	120,000	150,000	12 U	0.6 U	15
1,1,2-Trichloroethane	UG/M3	21	18	8.8 U	0.5 U	0.5 U
1,1-Dichloroethane	UG/M3	3,700	4,900	6.4 U	230	340
1,1-Dichloroethene	UG/M3	1,400	1,900	6.4 U	0.4 U	0.4 U
1,2,4-Trichlorobenzene	UG/M3	7.5 U	7.5 U	12 U	0.6 U	0.6 U
1,2-Dibromo-3-chloropropane	UG/M3	6.4 UJ	6.4 UJ	10.2 UJ	0.51 UJ	0.51 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/M3	7.5 U	7.5 U	12 U	0.6 U	0.6 U
1,2-Dichlorobenzene	UG/M3	6.0 U	6.0 U	9.6 U	0.6	0.5
1,2-Dichloroethane	UG/M3	5.5	4.0 U	6.4 U	0.4 U	0.4 U
1,2-Dichloroethene (cis)	UG/M3	170	150	6.4 U	0.4 U	0.9
1,2-Dichloroethene (trans)	UG/M3	4.0 U	4.0 U	6.4 U	0.4 U	0.4 U
1,2-Dichloropropane	UG/M3	4.5 U	4.5 U	7.2 U	0.4 U	0.4 U
1,3-Dichlorobenzene	UG/M3	6.0 U	6.0 U	9.6 U	0.5 U	0.5 U
1,3-Dichloropropene (cis)	UG/M3	4.5 U	4.5 U	7.2 U	0.4 U	0.4 U
1,3-Dichloropropene (trans)	UG/M3	4.5 U	4.5 U	7.2 U	0.4 U	0.4 U
1,4-Dichlorobenzene	UG/M3	6.0 U	6.0 U	9.6 U	0.5 U	0.5 U
2-Hexanone	UG/M3	4.0 U	4.0 U	6.4 UJ	0.4 U	0.4 U
4-Methyl-2-pentanone	UG/M3	4.0 U	4.0 U	6.4 UJ	0.4 U	0.4 U
Acetone	UG/M3	2.5 UJ	2.5 UJ	89 J	0.2 UJ	90 J
Benzene	UG/M3	360	310	29	12	18
Bromodichloromethane	UG/M3	6.5 U	6.5 U	11 U	0.6 U	0.6 U

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-07S	V-07S	V-08S	V-09S	V-10S
Sample ID		20060727-FD-1	623009-V-07S	623009-V-08S	623009-V-09S	623009-V-10S
Matrix		Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/27/06	07/27/06	07/27/06	07/26/06	07/26/06
Parameter	Units	Field Duplicate (1-1)				
Volatile Organic Compounds						
Bromoform	UG/M3	10 UJ	10 UJ	16 UJ	1.0 UJ	1.0 UJ
Bromomethane	UG/M3	4.0 U	4.0 U	6.4 U	0.4 U	0.4 U
Carbon disulfide	UG/M3	3.0 U	3.0 U	4.8 U	0.3 U	10
Carbon tetrachloride	UG/M3	6.5 U	6.5 U	11. U	0.6 U	0.6 U
Chlorobenzene	UG/M3	4.5 U	4.5 U	7.2 U	0.4 U	0.8
Chloroethane	UG/M3	420	400	4.0 U	0.2 U	52
Chloroform	UG/M3	7.5	6.8	8.0 U	0.4 U	1.5
Chloromethane	UG/M3	2.0 U	2.0 U	3.3	0.2 U	0.2 U
Cyclohexane	UG/M3	17	3.5 U	5.6 U	0.3 U	0.3 U
Dibromochloromethane	UG/M3	8.5 U	8.5 U	14 U	0.7 U	0.7 U
Dichlorodifluoromethane	UG/M3	7.7	5.0 U	8.0 U	0.4 U	0.4 U
Ethylbenzene	UG/M3	180	150	15	67	86
Isopropylbenzene (Cumene)	UG/M3	6.4 UJ	6.4 UJ	10.2 UJ	2.6 NJ	3.2 NJ
Methyl acetate	UG/M3	6.4 UJ	6.4 UJ	10.2 UJ	0.51 UJ	0.51 UJ
Methyl ethyl ketone (2-Butanone)	UG/M3	4.6	3.0 U	11 J	0.3 U	7.5
Methyl tert-butyl ether	UG/M3	3.5 U	3.5 U	5.6 U	0.3 U	0.3 U
Methylcyclohexane	UG/M3	34 NJ	30 NJ	10.2 UJ	2.1 NJ	8.9 NJ
Methylene chloride	UG/M3	3.5 U	3.5 U	21	0.3 U	1.5
Styrene	UG/M3	4.5 U	4.5 U	7.2 U	3.1	4.9
Tetrachloroethene	UG/M3	1,800	1,600	12 U	13	9.2
Toluene	UG/M3	1,500	1,400	110	210	290
Trichloroethene	UG/M3	490	430	8.8 U	1.2	1.6
Trichlorofluoromethane	UG/M3	5.5 U	5.5 U	8.8 U	1.8	0.5 U

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-07S	V-07S	V-08S	V-09S	V-10S
Sample ID		20060727-FD-1	623009-V-07S	623009-V-08S	623009-V-09S	623009-V-10S
Matrix		Soil Gas	Soil Gas	Soil Gas	Soil Gas	Soil Gas
Depth Interval (ft)		-	-	-	-	-
Date Sampled		07/27/06	07/27/06	07/27/06	07/26/06	07/26/06
Parameter	Units	Field Duplicate (1-1)				
Volatile Organic Compounds						
Vinyl chloride	UG/M3	2.5 U	2.5 U	4.0 U	0.2 U	0.2 U
Xylene (total)	UG/M3	420	360	40	227	280

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

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[MATRIX] = 'GS'

TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-11S
Sample ID		623009-V-11S
Matrix		Soil Gas
Depth Interval (ft)		-
Date Sampled		07/26/06
Parameter	**Units**	
Volatile Organic Compounds		
1,1,1-Trichloroethane	UG/M3	21
1,1,2,2-Tetrachloroethane	UG/M3	0.6 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/M3	0.6 U
1,1,2-Trichloroethane	UG/M3	0.5 U
1,1-Dichloroethane	UG/M3	0.4 U
1,1-Dichloroethene	UG/M3	0.4 U
1,2,4-Trichlorobenzene	UG/M3	0.6 U
1,2-Dibromo-3-chloropropane	UG/M3	0.51 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/M3	0.6 U
1,2-Dichlorobenzene	UG/M3	0.5 U
1,2-Dichloroethane	UG/M3	0.4 U
1,2-Dichloroethene (cis)	UG/M3	0.4 U
1,2-Dichloroethene (trans)	UG/M3	0.4 U
1,2-Dichloropropane	UG/M3	0.4 U
1,3-Dichlorobenzene	UG/M3	0.5 U
1,3-Dichloropropene (cis)	UG/M3	0.4 U
1,3-Dichloropropene (trans)	UG/M3	0.4 U
1,4-Dichlorobenzene	UG/M3	0.5 U
2-Hexanone	UG/M3	0.4 U
4-Methyl-2-pentanone	UG/M3	0.4 U
Acetone	UG/M3	0.2 UJ
Benzene	UG/M3	77
Bromodichloromethane	UG/M3	0.6

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-11S
Sample ID		623009-V-11S
Matrix		Soil Gas
Depth Interval (ft)		-
Date Sampled		07/26/06
Parameter	**Units**	
Volatile Organic Compounds		
Bromoform	UG/M3	1.0 UJ
Bromomethane	UG/M3	0.4 U
Carbon disulfide	UG/M3	0.3 U
Carbon tetrachloride	UG/M3	0.6 U
Chlorobenzene	UG/M3	0.4 U
Chloroethane	UG/M3	0.2 U
Chloroform	UG/M3	0.4 U
Chloromethane	UG/M3	0.2 U
Cyclohexane	UG/M3	3.2
Dibromochloromethane	UG/M3	0.7 U
Dichlorodifluoromethane	UG/M3	0.4 U
Ethylbenzene	UG/M3	52
Isopropylbenzene (Cumene)	UG/M3	0.70 NJ
Methyl acetate	UG/M3	0.51 UJ
Methyl ethyl ketone (2-Butanone)	UG/M3	0.3 U
Methyl tert-butyl ether	UG/M3	0.3 U
Methylcyclohexane	UG/M3	5.4 NJ
Methylene chloride	UG/M3	0.3 U
Styrene	UG/M3	0.5
Tetrachloroethene	UG/M3	0.6 U
Toluene	UG/M3	460
Trichloroethene	UG/M3	0.5 U
Trichlorofluoromethane	UG/M3	0.5 U

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

TABLE 3
VALIDATED SOIL GAS SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		V-11S
Sample ID		623009-V-11S
Matrix		Soil Gas
Depth Interval (ft)		-
Date Sampled		07/26/06
Parameter	Units	
Volatile Organic Compounds		
Vinyl chloride	UG/M3	0.2 U
Xylene (total)	UG/M3	28

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

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[MATRIX] = 'GS'

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		FIELDQC
Sample ID		TRIP BLANK
Matrix		Water Quality
Depth Interval (ft)		-
Date Sampled		07/25/06
Parameter	Units	Trip Blank (1-1)
Volatile Organic Compounds		
1,1,1-Trichloroethane	UG/L	5 U
1,1,2,2-Tetrachloroethane	UG/L	5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	5 U
1,1,2-Trichloroethane	UG/L	5 U
1,1-Dichloroethane	UG/L	5 U
1,1-Dichloroethene	UG/L	5 U
1,2,4-Trichlorobenzene	UG/L	5 UJ
1,2-Dibromo-3-chloropropane	UG/L	5 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	5 U
1,2-Dichlorobenzene	UG/L	5 U
1,2-Dichloroethane	UG/L	5 U
1,2-Dichloroethene (cis)	UG/L	5 U
1,2-Dichloroethene (trans)	UG/L	5 U
1,2-Dichloropropane	UG/L	5 U
1,3-Dichlorobenzene	UG/L	5 U
1,3-Dichloropropene (cis)	UG/L	5 U
1,3-Dichloropropene (trans)	UG/L	5 U
1,4-Dichlorobenzene	UG/L	5 U
2-Hexanone	UG/L	5 U
4-Methyl-2-pentanone	UG/L	5 U
Acetone	UG/L	5 U
Benzene	UG/L	5 U
Bromodichloromethane	UG/L	5 U

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		FIELDQC
Sample ID		TRIP BLANK
Matrix		Water Quality
Depth Interval (ft)		-
Date Sampled		07/25/06
Parameter	Units	Trip Blank (1-1)
Volatile Organic Compounds		
Bromoform	UG/L	5 U
Bromomethane	UG/L	5 U
Carbon disulfide	UG/L	5 U
Carbon tetrachloride	UG/L	5 U
Chlorobenzene	UG/L	5 U
Chloroethane	UG/L	5 U
Chloroform	UG/L	2 J
Chloromethane	UG/L	5 U
Cyclohexane	UG/L	5 U
Dibromochloromethane	UG/L	5 U
Dichlorodifluoromethane	UG/L	5 UJ
Ethylbenzene	UG/L	5 U
Isopropylbenzene (Cumene)	UG/L	5 U
Methyl acetate	UG/L	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	5 U
Methyl tert-butyl ether	UG/L	5 U
Methylcyclohexane	UG/L	5 U
Methylene chloride	UG/L	5 U
Styrene	UG/L	5 U
Tetrachloroethene	UG/L	5 U
Toluene	UG/L	5 U
Trichloroethene	UG/L	5 U
Trichlorofluoromethane	UG/L	5 U

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

TABLE 4
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
BOMAX MANUFACTURING SITE NO. 6-23-009
NYSDEC W.A. D004433-05

Location ID		FIELDQC
Sample ID		TRIP BLANK
Matrix		Water Quality
Depth Interval (ft)		-
Date Sampled		07/25/06
Parameter	Units	Trip Blank (1-1)
Volatile Organic Compounds		
Vinyl chloride	UG/L	5 U
Xylene (total)	UG/L	5 U

Flags assigned during chemistry validation are shown.

Made By AMK 10/24/06
Checked By JJL 10/24/06

Detection Limits shown are PQL

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[MATRIX] = 'WQ'

ATTACHMENT A
VALIDATED FORM 1's

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JOHN BOYD
URS CORPORATION
77 GOODELL STREET
BUFFALO, NY 14203

Contract: -
Purchase Order No.: -

8/16/2006
Page 36 of 56
Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-01S
Sample ID : 06B24288
Sampled : 7/26/2006
NOT SPECIFIED
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acetone	ug/m3	92.	08/07/06	WSD	0.2			
Benzene	ug/m3	800	08/07/06	WSD	0.2			
Bromodichloromethane	ug/m3	ND	08/07/06	WSD	0.6			
Bromomethane	ug/m3	ND	08/07/06	WSD	0.4			
2-Butanone (MEK)	ug/m3	6.7	08/07/06	WSD	0.2			
Carbon Disulfide	ug/m3	68.	08/07/06	WSD	0.2			
Carbon Tetrachloride	ug/m3	ND	08/07/06	WSD	0.6			
Chlorobenzene	ug/m3	ND	08/07/06	WSD	0.4			
Chlorodibromomethane	ug/m3	ND	08/07/06	WSD	0.7			
Chloroethane	ug/m3	ND	08/07/06	WSD	0.2			
Chloroform	ug/m3	7.3	08/07/06	WSD	0.4			
Chloromethane	ug/m3	13.	08/07/06	WSD	0.2			
Cyclohexane	ug/m3	10.	08/07/06	WSD	0.3			
1,2-Dibromoethane	ug/m3	ND	08/07/06	WSD	0.6			
1,2-Dichlorobenzene	ug/m3	ND	08/07/06	WSD	0.5			
1,3-Dichlorobenzene	ug/m3	ND	08/07/06	WSD	0.5			
1,4-Dichlorobenzene	ug/m3	ND	08/07/06	WSD	0.5			
Dichlorodifluoromethane	ug/m3	0.5	08/07/06	WSD	0.4			
1,1-Dichloroethane	ug/m3	80.	08/07/06	WSD	0.3			
1,2-Dichloroethane	ug/m3	ND	08/07/06	WSD	0.4			
1,1-Dichloroethylene	ug/m3	ND	08/07/06	WSD	0.4			
cis-1,2-Dichloroethylene	ug/m3	ND	08/07/06	WSD	0.4			
t-1,2-Dichloroethylene	ug/m3	ND	08/07/06	WSD	0.4			
1,2-Dichloropropane	ug/m3	ND	08/07/06	WSD	0.4			
cis-1,3-Dichloropropene	ug/m3	ND	08/07/06	WSD	0.4			
trans-1,3-Dichloropropene	ug/m3	ND	08/07/06	WSD	0.4			
Ethylbenzene	ug/m3	300	08/07/06	WSD	0.4			
2-Hexanone	ug/m3	ND	08/07/06	WSD	0.4			
Methyl tert-Butyl Ether (MTBE)	ug/m3	3.6	08/07/06	WSD	0.3			
Methylene Chloride	ug/m3	0.3	08/07/06	WSD	0.3			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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BUFFALO, NY 14203

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8/16/2006

Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-01S
Sample ID : 06B24288
Sampled : 7/26/2006
NOT SPECIFIED
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/07/06	WSD	0.4			
Styrene	ug/m3	2.0	08/07/06	WSD	0.4			
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/07/06	WSD	0.6			
Tetrachloroethylene	ug/m3	3.0	08/07/06	WSD	0.6			
Toluene	ug/m3	2800	08/07/06	WSD	0.3			
1,2,4-Trichlorobenzene	ug/m3	ND	08/07/06	WSD	0.6			
1,1,1-Trichloroethane	ug/m3	320	08/07/06	WSD	0.4			
1,1,2-Trichloroethane	ug/m3	ND	08/07/06	WSD	0.5			
Trichloroethylene	ug/m3	ND	08/07/06	WSD	0.5			
Trichlorofluoromethane	ug/m3	0.7	08/07/06	WSD	0.4			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	4.8	08/07/06	WSD	0.6			
Vinyl Chloride	ug/m3	ND	08/07/06	WSD	0.2			
m/p-Xylene	ug/m3	420	08/07/06	WSD	0.4			
o-Xylene	ug/m3	230	08/07/06	WSD	0.4			

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

8/14/06

RL = Reporting Limit
ND = Not Detected at or above the Reporting Limit
NM = Not Measured
* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Contract: -
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8/16/2006
Page 2 of 56
Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-01S

Sample ID : 06B24288
Sampled : 7/26/2006
NOT SPECIFIED
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
SPECIAL TEST			08/07/06	WSD				

Results by TO-15 ESTIMATED

Analyte:	Estimated Sample Conc:(PPBv)	Estimated Sample Conc:(ug/m^3)	Reporting Limit (PPBv)	Reporting Limit (ug/m^3)
Bromoform	ND	ND	0.1	1.
Methyl Acetate	ND	ND	0.17	0.51
Methylcyclohexane	6.0*	24*	0.13	0.51
Isopropylbenzene	0.53	2.6	0.10	0.51
1,2-Dibromo-3-Chloropropane	ND	ND	0.05	0.51

* = Quantitated over Varified Linear Calibration Range
ND= Not Detected

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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BUFFALO, NY 14203

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Purchase Order No.: -

8/16/2006
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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-02S
Sample ID : 06B24289
Sampled : 7/28/2006
NOT SPECIFIED
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acetone	ug/m3	180	08/07/06	WSD	0.2			
Benzene	ug/m3	630	08/07/06	WSD	0.2			
Bromodichloromethane	ug/m3	ND	08/07/06	WSD	0.6			
Bromomethane	ug/m3	ND	08/07/06	WSD	0.4			
2-Butanone (MEK)	ug/m3	20.	08/07/06	WSD	0.2			
Carbon Disulfide	ug/m3	98.	08/07/06	WSD	0.2			
Carbon Tetrachloride	ug/m3	ND	08/07/06	WSD	0.6			
Chlorobenzene	ug/m3	ND	08/07/06	WSD	0.4			
Chlorodibromomethane	ug/m3	ND	08/07/06	WSD	0.7			
Chloroethane	ug/m3	ND	08/07/06	WSD	0.2			
Chloroform	ug/m3	3.9	08/07/06	WSD	0.4			
Chloromethane	ug/m3	0.6	08/07/06	WSD	0.2			
Cyclohexane	ug/m3	ND	08/07/06	WSD	0.3			
1,2-Dibromoethane	ug/m3	ND	08/07/06	WSD	0.6			
1,2-Dichlorobenzene	ug/m3	ND	08/07/06	WSD	0.5			
1,3-Dichlorobenzene	ug/m3	ND	08/07/06	WSD	0.5			
1,4-Dichlorobenzene	ug/m3	ND	08/07/06	WSD	0.5			
Dichlorodifluoromethane	ug/m3	ND	08/07/06	WSD	0.4			
1,1-Dichloroethane	ug/m3	ND	08/07/06	WSD	0.4			
1,2-Dichloroethane	ug/m3	ND	08/07/06	WSD	0.4			
1,1-Dichloroethylene	ug/m3	ND	08/07/06	WSD	0.4			
cis-1,2-Dichloroethylene	ug/m3	ND	08/07/06	WSD	0.4			
t-1,2-Dichloroethylene	ug/m3	ND	08/07/06	WSD	0.4			
1,2-Dichloropropane	ug/m3	ND	08/07/06	WSD	0.4			
cis-1,3-Dichloropropene	ug/m3	ND	08/07/06	WSD	0.4			
trans-1,3-Dichloropropene	ug/m3	ND	08/07/06	WSD	0.4			
Ethylbenzene	ug/m3	460	08/07/06	WSD	0.4			
2-Hexanone	ug/m3	ND	08/07/06	WSD	0.4			
Methyl tert-Butyl Ether (MTBE)	ug/m3	6.5	08/07/06	WSD	0.3			
Methylene Chloride	ug/m3	1.4	08/07/06	WSD	0.3			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-02S
Sample ID : 06B24289
Sampled : 7/26/2006
NOT SPECIFIED
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/07/06	WSD	0.4			
Styrene	ug/m3	1.3	08/07/06	WSD	0.4			
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/07/06	WSD	0.6			
Tetrachloroethylene	ug/m3	1.5	08/07/06	WSD	0.6			
Toluene	ug/m3	3000	08/07/06	WSD	0.3			
1,2,4-Trichlorobenzene	ug/m3	ND	08/07/06	WSD	0.6			
1,1,1-Trichloroethane	ug/m3	0.6	08/07/06	WSD	0.4			
1,1,2-Trichloroethane	ug/m3	ND	08/07/06	WSD	0.5			
Trichloroethylene	ug/m3	ND	08/07/06	WSD	0.5			
Trichlorofluoromethane	ug/m3	1.4	08/07/06	WSD	0.4			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	0.9	08/07/06	WSD	0.6			
Vinyl Chloride	ug/m3	ND	08/07/06	WSD	0.2			
m/p-Xylene	ug/m3	590	08/07/06	WSD	0.4			
o-Xylene	ug/m3	310	08/07/06	WSD	0.4			

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-02S

Sample ID : 06B24289

Sampled : 7/26/2006
NOT SPECIFIED
Sample Medium : SUMMA

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
SPECIAL TEST			08/07/06	WSD				

Results by TO-15 ESTIMATED

Analyte:	Estimated Sample Conc:(PPBv)	Estimated Sample Conc:(ug/m^3)	Reporting Limit (PPBv)	Reporting Limit (ug/m^3)
Bromoform	ND	ND	0.1	1.
Methyl Acetate	ND	ND	0.17	0.51
Methylcyclohexane	2.0	8.2 J	0.13	0.51
Isopropylbenzene	0.62	3.1 J	0.10	0.51
1,2-Dibromo-3-Chloropropane	ND	ND	0.05	0.51

ND= Not Detected

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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* = See end of report for comments and notes applying to this sample

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Purchase Order No.: -

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-04S
Sample ID : 06B24290
Sample Matrix: AIR

Sampled : 7/26/2006
NOT SPECIFIED
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acetone	ug/m3	ND	08/07/06	WSD	2.0			
Benzene	ug/m3	44.	08/07/06	WSD	2.4			
Bromodichloromethane	ug/m3	ND	08/07/06	WSD	5.2			
Bromomethane	ug/m3	ND	08/07/06	WSD	3.2			
2-Butanone (MEK)	ug/m3	9.4	08/07/06	WSD	2.4			
Carbon Disulfide	ug/m3	20.	08/07/06	WSD	2.4			
Carbon Tetrachloride	ug/m3	ND	08/07/06	WSD	5.2			
Chlorobenzene	ug/m3	ND	08/07/06	WSD	3.6			
Chlorodibromomethane	ug/m3	ND	08/07/06	WSD	6.8			
Chloroethane	ug/m3	ND	08/07/06	WSD	2.0			
Chloroform	ug/m3	ND	08/07/06	WSD	4.0			
Chloromethane	ug/m3	35.	08/07/06	WSD	1.6			
Cyclohexane	ug/m3	ND	08/07/06	WSD	2.8			
1,2-Dibromoethane	ug/m3	ND	08/07/06	WSD	6.0			
1,2-Dichlorobenzene	ug/m3	ND	08/07/06	WSD	4.8			
1,3-Dichlorobenzene	ug/m3	ND	08/07/06	WSD	4.8			
1,4-Dichlorobenzene	ug/m3	ND	08/07/06	WSD	4.8			
Dichlorodifluoromethane	ug/m3	ND	08/07/06	WSD	4.0			
1,1-Dichloroethane	ug/m3	3.7	08/07/06	WSD	3.2			
1,2-Dichloroethane	ug/m3	ND	08/07/06	WSD	3.2			
1,1-Dichloroethylene	ug/m3	ND	08/07/06	WSD	3.2			
cis-1,2-Dichloroethylene	ug/m3	ND	08/07/06	WSD	3.2			
t-1,2-Dichloroethylene	ug/m3	ND	08/07/06	WSD	3.2			
1,2-Dichloropropane	ug/m3	ND	08/07/06	WSD	3.6			
cis-1,3-Dichloropropene	ug/m3	ND	08/07/06	WSD	3.6			
trans-1,3-Dichloropropene	ug/m3	ND	08/07/06	WSD	3.6			
Ethylbenzene	ug/m3	54.	08/07/06	WSD	3.6			
2-Hexanone	ug/m3	ND	08/07/06	WSD	3.2			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/07/06	WSD	2.8			
Methylene Chloride	ug/m3	11.	08/07/06	WSD	2.8			

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-04S

Sample ID : 06B24290

Sampled : 7/26/2006
NOT SPECIFIED

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/07/06	WSD	3.2			
Styrene	ug/m3	ND	08/07/06	WSD	3.6			
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/07/06	WSD	5.6			
Tetrachloroethylene	ug/m3	ND	08/07/06	WSD	5.6			
Toluene	ug/m3	270	08/07/06	WSD	3.2			
1,2,4-Trichlorobenzene	ug/m3	ND	08/07/06	WSD	6.0			
1,1,1-Trichloroethane	ug/m3	300	08/07/06	WSD	4.4			
1,1,2-Trichloroethane	ug/m3	ND	08/07/06	WSD	4.4			
Trichloroethylene	ug/m3	ND	08/07/06	WSD	4.4			
Trichlorofluoromethane	ug/m3	ND	08/07/06	WSD	4.4			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	08/07/06	WSD	6.0			
Vinyl Chloride	ug/m3	ND	08/07/06	WSD	2.0			
m/p-Xylene	ug/m3	87.	08/07/06	WSD	3.6			
o-Xylene	ug/m3	51.	08/07/06	WSD	3.6			

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit
ND = Not Detected at or above the Reporting Limit
NM = Not Measured
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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-04S
Sample ID : 06B24290
Sampled : 7/26/2006
NOT SPECIFIED
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
SPECIAL TEST			08/07/06	WSD				

Results by TO-15 ESTIMATED

Analyte:	Estimated Sample Conc:(PPBv)	Estimated Sample Conc:(ug/m^3)	Reporting Limit (PPBv)	Reporting Limit (ug/m^3)
Bromoform	ND	ND U J	0.8	8.
Methyl Acetate	ND	ND ↓	1.6	5.1
Methylcyclohexane	5.1	21 J	1.3	5.1
Isopropylbenzene	ND	ND U J	1.0	5.1
1,2-Dibromo-3-Chloropropane	ND	ND ↓	0.47	5.1

ND= Not Detected

8/21/06

RL = Reporting Limit

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-05S

Sample ID : 06B24293

Sampled : 7/27/2006
NOT SPECIFIED

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acetone	ug/m3	ND	08/04/06	WSD	2.5			
Benzene	ug/m3	1100	08/04/06	WSD	3.0			
Bromodichloromethane	ug/m3	ND	08/04/06	WSD	6.5			
Bromomethane	ug/m3	ND	08/04/06	WSD	4.0			
2-Butanone (MEK)	ug/m3	9.4	08/04/06	WSD	3.0			
Carbon Disulfide	ug/m3	ND	08/04/06	WSD	3.0			
Carbon Tetrachloride	ug/m3	ND	08/04/06	WSD	6.5			
Chlorobenzene	ug/m3	9.9	08/04/06	WSD	4.5			
Chlorodibromomethane	ug/m3	ND	08/04/06	WSD	8.5			
Chloroethane	ug/m3	42.	08/04/06	WSD	2.5			
Chloroform	ug/m3	ND	08/04/06	WSD	5.0			
Chloromethane	ug/m3	ND	08/04/06	WSD	2.0			
Cyclohexane	ug/m3	28.	08/04/06	WSD	3.5			
1,2-Dibromoethane	ug/m3	ND	08/04/06	WSD	7.5			
1,2-Dichlorobenzene	ug/m3	ND	08/04/06	WSD	6.0			
1,3-Dichlorobenzene	ug/m3	ND	08/04/06	WSD	6.0			
1,4-Dichlorobenzene	ug/m3	ND	08/04/06	WSD	6.0			
Dichlorodifluoromethane	ug/m3	ND	08/04/06	WSD	5.0			
1,1-Dichloroethane	ug/m3	2800	08/04/06	WSD	4.0			
1,2-Dichloroethane	ug/m3	ND	08/04/06	WSD	4.0			
1,1-Dichloroethylene	ug/m3	1300	08/04/06	WSD	4.0			
cis-1,2-Dichloroethylene	ug/m3	6.5	08/04/06	WSD	4.0			
t-1,2-Dichloroethylene	ug/m3	ND	08/04/06	WSD	4.0			
1,2-Dichloropropane	ug/m3	ND	08/04/06	WSD	4.5			
cis-1,3-Dichloropropene	ug/m3	ND	08/04/06	WSD	4.5			
trans-1,3-Dichloropropene	ug/m3	ND	08/04/06	WSD	4.5			
Ethylbenzene	ug/m3	750	08/04/06	WSD	4.5			
2-Hexanone	ug/m3	ND	08/04/06	WSD	4.0			
Methyl tert-Butyl Ether (MTBE)	ug/m3	18.	08/04/06	WSD	3.5			
Methylene Chloride	ug/m3	230	08/04/06	WSD	3.5			

RL = Reporting Limit

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-05S

Sample ID : 06B24293

Sampled : 7/27/2006
NOT SPECIFIED
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/04/06	WSD	4.0			
Styrene	ug/m3	ND	08/04/06	WSD	4.5			
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/04/06	WSD	7.0			
Tetrachloroethylene	ug/m3	190	08/04/06	WSD	7.0			
Toluene	ug/m3	4700	08/04/06	WSD	4.0			
1,2,4-Trichlorobenzene	ug/m3	ND	08/04/06	WSD	7.5			
1,1,1-Trichloroethane	ug/m3	67000	08/04/06	WSD	5.5			
1,1,2-Trichloroethane	ug/m3	ND	08/04/06	WSD	5.5			
Trichloroethylene	ug/m3	10.	08/04/06	WSD	5.5			
Trichlorofluoromethane	ug/m3	ND	08/04/06	WSD	5.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	350000	08/04/06	WSD	7.5			
Vinyl Chloride	ug/m3	ND	08/04/06	WSD	2.5			
m/p-Xylene	ug/m3	660	08/04/06	WSD	4.5			
o-Xylene	ug/m3	360	08/04/06	WSD	4.5			

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-05S

Sample ID : 06B24293
Sampled : 7/27/2006
NOT SPECIFIED
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
SPECIAL TEST			08/04/06	WSD				

Results by TO-15 ESTIMATED

Analyte:	Estimated Sample Conc:(PPBv)	Estimated Sample Conc:(ug/m^3)	Reporting Limit (PPBv)	Reporting Limit (ug/m^3)
Bromoform	ND	ND	1.	10.
Methyl Acetate	ND	ND	2.1	6.4
Methylcyclohexane	41*	167*	1.6	6.4
Isopropylbenzene	2.9	14	1.3	6.4
1,2-Dibromo-3-Chloropropane	ND	ND	0.59	6.4

* = Quantitated over verified linear calibration range
ND= Not Detected

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-06S

Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Sample ID : 06B24291

Sampled : 7/27/2006
NOT SPECIFIED
Sample Medium : SUMMA

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acetone	ug/m3	ND	08/03/06	WSD	2.5			
Benzene	ug/m3	70.	08/03/06	WSD	3.0			
Bromodichloromethane	ug/m3	ND	08/03/06	WSD	6.5			
Bromomethane	ug/m3	ND	08/03/06	WSD	4.0			
2-Butanone (MEK)	ug/m3	5.5	08/03/06	WSD	3.0			
Carbon Disulfide	ug/m3	23.	08/03/06	WSD	3.0			
Carbon Tetrachloride	ug/m3	ND	08/03/06	WSD	6.5			
Chlorobenzene	ug/m3	ND	08/03/06	WSD	4.5			
Chlorodibromomethane	ug/m3	ND	08/03/06	WSD	8.5			
Chloroethane	ug/m3	16000	08/03/06	WSD	2.5			
Chloroform	ug/m3	ND	08/03/06	WSD	5.0			
Chloromethane	ug/m3	ND	08/03/06	WSD	2.0			
Cyclohexane	ug/m3	240	08/03/06	WSD	3.5			
1,2-Dibromoethane	ug/m3	ND	08/03/06	WSD	7.5			
1,2-Dichlorobenzene	ug/m3	ND	08/03/06	WSD	6.0			
1,3-Dichlorobenzene	ug/m3	ND	08/03/06	WSD	6.0			
1,4-Dichlorobenzene	ug/m3	ND	08/03/06	WSD	6.0			
Dichlorodifluoromethane	ug/m3	ND	08/03/06	WSD	5.0			
1,1-Dichloroethane	ug/m3	880	08/03/06	WSD	4.0			
1,2-Dichloroethane	ug/m3	ND	08/03/06	WSD	4.0			
1,1-Dichloroethylene	ug/m3	740	08/03/06	WSD	4.0			
cis-1,2-Dichloroethylene	ug/m3	1600	08/03/06	WSD	4.0			
t-1,2-Dichloroethylene	ug/m3	67.	08/03/06	WSD	4.0			
1,2-Dichloropropane	ug/m3	ND	08/03/06	WSD	4.5			
cis-1,3-Dichloropropene	ug/m3	ND	08/03/06	WSD	4.5			
trans-1,3-Dichloropropene	ug/m3	ND	08/03/06	WSD	4.5			
Ethylbenzene	ug/m3	220	08/03/06	WSD	4.5			
2-Hexanone	ug/m3	ND	08/03/06	WSD	4.0			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/03/06	WSD	3.5			
Methylene Chloride	ug/m3	ND	08/03/06	WSD	3.5			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-06S
Sample ID : 06B24291
Sampled : 7/27/2006
NOT SPECIFIED
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/03/06	WSD	4.0			
Styrene	ug/m3	ND	08/03/06	WSD	4.5			
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/03/06	WSD	7.0			
Tetrachloroethylene	ug/m3	14.	08/03/06	WSD	7.0			
Toluene	ug/m3	690	08/03/06	WSD	4.0			
1,2,4-Trichlorobenzene	ug/m3	ND	08/03/06	WSD	7.5			
1,1,1-Trichloroethane	ug/m3	81.	08/03/06	WSD	5.5			
1,1,2-Trichloroethane	ug/m3	ND	08/03/06	WSD	5.5			
Trichloroethylene	ug/m3	61.	08/03/06	WSD	5.5			
Trichlorofluoromethane	ug/m3	ND	08/03/06	WSD	5.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	740	08/03/06	WSD	7.5			
Vinyl Chloride	ug/m3	590	08/03/06	WSD	2.5			
m/p-Xylene	ug/m3	300	08/03/06	WSD	4.5			
o-Xylene	ug/m3	260	08/03/06	WSD	4.5			

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-06S

Sample ID : 06B24291
Sampled : 7/27/2006
NOT SPECIFIED
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
SPECIAL TEST			08/03/06	WSD				

Results by TO-15 ESTIMATED

Analyte:	Estimated Sample Conc:(PPBv)	Estimated Sample Conc:(ug/m^3)	Reporting Limit (PPBv)	Reporting Limit (ug/m^3)
Bromoform	ND	ND	1.0	10.
Methyl Acetate	ND	ND	2.2	6.4
Methylcyclohexane	194*	780*	1.6	6.4
Isopropylbenzene	ND	ND	1.3	6.4
1,2-Dibromo-3-Chloropropane	ND	ND	0.59	6.4

* = Quantitated over verified linear calibration range
ND= Not Detected



RL = Reporting Limit
ND = Not Detected at or above the Reporting Limit
NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-07S
Sample ID : 06B24292
Sample Matrix: AIR

Sampled : 7/27/2006
NOT SPECIFIED
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acetone	ug/m3	ND	08/04/06	WSD	2.5			
Benzene	ug/m3	310	08/04/06	WSD	3.0			
Bromodichloromethane	ug/m3	ND	08/04/06	WSD	6.5			
Bromomethane	ug/m3	ND	08/04/06	WSD	4.0			
2-Butanone (MEK)	ug/m3	ND	08/04/06	WSD	3.0			
Carbon Disulfide	ug/m3	ND	08/04/06	WSD	3.0			
Carbon Tetrachloride	ug/m3	ND	08/04/06	WSD	6.5			
Chlorobenzene	ug/m3	ND	08/04/06	WSD	4.5			
Chlorodibromomethane	ug/m3	ND	08/04/06	WSD	8.5			
Chloroethane	ug/m3	400	08/04/06	WSD	2.5			
Chloroform	ug/m3	6.8	08/04/06	WSD	5.0			
Chloromethane	ug/m3	ND	08/04/06	WSD	2.0			
Cyclohexane	ug/m3	ND	08/04/06	WSD	3.5			
1,2-Dibromoethane	ug/m3	ND	08/04/06	WSD	7.5			
1,2-Dichlorobenzene	ug/m3	ND	08/04/06	WSD	6.0			
1,3-Dichlorobenzene	ug/m3	ND	08/04/06	WSD	6.0			
1,4-Dichlorobenzene	ug/m3	ND	08/04/06	WSD	6.0			
Dichlorodifluoromethane	ug/m3	ND	08/04/06	WSD	5.0			
1,1-Dichloroethane	ug/m3	4900	08/04/06	WSD	4.0			
1,2-Dichloroethane	ug/m3	ND	08/04/06	WSD	4.0			
1,1-Dichloroethylene	ug/m3	1900	08/04/06	WSD	4.0			
cis-1,2-Dichloroethylene	ug/m3	150	08/04/06	WSD	4.0			
t-1,2-Dichloroethylene	ug/m3	ND	08/04/06	WSD	4.0			
1,2-Dichloropropane	ug/m3	ND	08/04/06	WSD	4.5			
cis-1,3-Dichloropropene	ug/m3	ND	08/04/06	WSD	4.5			
trans-1,3-Dichloropropene	ug/m3	ND	08/04/06	WSD	4.5			
Ethylbenzene	ug/m3	150	08/04/06	WSD	4.5			
2-Hexanone	ug/m3	ND	08/04/06	WSD	4.0			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/04/06	WSD	3.5			
Methylene Chloride	ug/m3	ND	08/04/06	WSD	3.5			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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Purchase Order No.: -

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-07S

Sample ID : 06B24292

Sampled : 7/27/2006
NOT SPECIFIED
Sample Medium : SUMMA

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/04/06	WSD	4.0			
Styrene	ug/m3	ND	08/04/06	WSD	4.5			
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/04/06	WSD	7.0			
Tetrachloroethylene	ug/m3	1600	08/04/06	WSD	7.0			
Toluene	ug/m3	1400	08/04/06	WSD	4.0			
1,2,4-Trichlorobenzene	ug/m3	ND	08/04/06	WSD	7.5			
1,1,1-Trichloroethane	ug/m3	43000	08/04/06	WSD	5.5			
1,1,2-Trichloroethane	ug/m3	18.	08/04/06	WSD	5.5			
Trichloroethylene	ug/m3	430	08/04/06	WSD	5.5			
Trichlorofluoromethane	ug/m3	ND	08/04/06	WSD	5.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	150000	08/04/06	WSD	7.5			
Vinyl Chloride	ug/m3	ND	08/04/06	WSD	2.5			
m/p-Xylene	ug/m3	220	08/04/06	WSD	4.5			
o-Xylene	ug/m3	140	08/04/06	WSD	4.5			

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit
ND = Not Detected at or above the Reporting Limit
NM = Not Measured
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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-07S

Sample ID : 06B24292

Sampled : 7/27/2006
NOT SPECIFIED
Sample Medium : SUMMA

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
SPECIAL TEST			08/04/06	WSD				

Results by TO-15 ESTIMATED

Analyte:	Estimated Sample Conc:(PPBv)	Estimated Sample Conc:(ug/m^3)	Reporting Limit (PPBv)	Reporting Limit (ug/m^3)
Bromoform	ND	ND J	1.	10.
Methyl Acetate	ND	ND ↓	2.1	6.4
Methylcyclohexane	7.5	30 J	1.6	6.4
Isopropylbenzene	ND	ND J	1.3	6.4
1,2-Dibromo-3-Chloropropane	ND	ND ↓	0.59	6.4

ND= Not Detected

8/24/06

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 20060727-FD-1

Sample ID : 06B24295

Sampled : 7/27/2006
NOT SPECIFIED
Sample Medium : SUMMA

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acetone	ug/m3	ND C-5	08/04/06	WSD	2.5			
Benzene	ug/m3	360	08/04/06	WSD	3.0			
Bromodichloromethane	ug/m3	ND	08/04/06	WSD	6.5			
Bromomethane	ug/m3	ND	08/04/06	WSD	4.0			
2-Butanone (MEK)	ug/m3	4.6	08/04/06	WSD	3.0			
Carbon Disulfide	ug/m3	ND	08/04/06	WSD	3.0			
Carbon Tetrachloride	ug/m3	ND	08/04/06	WSD	6.5			
Chlorobenzene	ug/m3	ND	08/04/06	WSD	4.5			
Chlorodibromomethane	ug/m3	ND	08/04/06	WSD	8.5			
Chloroethane	ug/m3	420	08/04/06	WSD	2.5			
Chloroform	ug/m3	7.5	08/04/06	WSD	5.0			
Chloromethane	ug/m3	ND	08/04/06	WSD	2.0			
Cyclohexane	ug/m3	17.	08/04/06	WSD	3.5			
1,2-Dibromoethane	ug/m3	ND	08/04/06	WSD	7.5			
1,2-Dichlorobenzene	ug/m3	ND	08/04/06	WSD	6.0			
1,3-Dichlorobenzene	ug/m3	ND	08/04/06	WSD	6.0			
1,4-Dichlorobenzene	ug/m3	ND	08/04/06	WSD	6.0			
Dichlorodifluoromethane	ug/m3	7.7	08/04/06	WSD	5.0			
1,1-Dichloroethane	ug/m3	3700	08/04/06	WSD	4.0			
1,2-Dichloroethane	ug/m3	5.5	08/04/06	WSD	4.0			
1,1-Dichloroethylene	ug/m3	1400	08/04/06	WSD	4.0			
cis-1,2-Dichloroethylene	ug/m3	170	08/04/06	WSD	4.0			
t-1,2-Dichloroethylene	ug/m3	ND	08/04/06	WSD	4.0			
1,2-Dichloropropane	ug/m3	ND	08/04/06	WSD	4.5			
cis-1,3-Dichloropropene	ug/m3	ND	08/04/06	WSD	4.5			
trans-1,3-Dichloropropene	ug/m3	ND	08/04/06	WSD	4.5			
Ethylbenzene	ug/m3	180	08/04/06	WSD	4.5			
2-Hexanone	ug/m3	ND	08/04/06	WSD	4.0			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/04/06	WSD	3.5			
Methylene Chloride	ug/m3	ND	08/04/06	WSD	3.5			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 20060727-FD-1

Sample ID : 06B24295

Sampled : 7/27/2006
NOT SPECIFIED
Sample Medium : SUMMA

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/04/06	WSD	4.0			
Styrene	ug/m3	ND	08/04/06	WSD	4.5			
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/04/06	WSD	7.0			
Tetrachloroethylene	ug/m3	1800	08/04/06	WSD	7.0			
Toluene	ug/m3	1500	08/04/06	WSD	4.0			
1,2,4-Trichlorobenzene	ug/m3	ND	08/04/06	WSD	7.5			
1,1,1-Trichloroethane	ug/m3	36000	08/04/06	WSD	5.5			
1,1,2-Trichloroethane	ug/m3	21.	08/04/06	WSD	5.5			
Trichloroethylene	ug/m3	490	08/04/06	WSD	5.5			
Trichlorofluoromethane	ug/m3	ND	08/04/06	WSD	5.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	120000	08/04/06	WSD	7.5			
Vinyl Chloride	ug/m3	ND	08/04/06	WSD	2.5			
m/p-Xylene	ug/m3	260	08/04/06	WSD	4.5			
o-Xylene	ug/m3	160	08/04/06	WSD	4.5			

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 20060727-FD-1

Sample ID : 06B24295

Sampled : 7/27/2006
NOT SPECIFIED
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
SPECIAL TEST			08/04/06	WSD				

Results by TO-15 ESTIMATED

Analyte:	Estimated Sample Conc:(PPBv)	Estimated Sample Conc:(ug/m^3)	Reporting Limit (PPBv)	Reporting Limit (ug/m^3)
Bromoform	ND	ND U J	1.0	10.
Methyl Acetate	ND	ND ↓	2.1	6.4
Methylcyclohexane	8.6	34 J	1.6	6.4
Isopropylbenzene	ND	ND U J	1.3	6.4
1,2-Dibromo-3-Chloropropane	ND	ND ↓	0.59	6.4

ND= Not Detected

CLM 8/18/06.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-08S
Sample ID : 06B24294
Sampled : 7/27/2006
NOT SPECIFIED
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acetone	ug/m3	89.	08/07/06	WSD	4.0			
Benzene	ug/m3	29.	08/07/06	WSD	4.8			
Bromodichloromethane	ug/m3	ND	08/07/06	WSD	11.			
Bromomethane	ug/m3	ND	08/07/06	WSD	6.4			
2-Butanone (MEK)	ug/m3	11.	08/07/06	WSD	4.8			
Carbon Disulfide	ug/m3	ND	08/07/06	WSD	4.8			
Carbon Tetrachloride	ug/m3	ND	08/07/06	WSD	11.			
Chlorobenzene	ug/m3	ND	08/07/06	WSD	7.2			
Chlorodibromomethane	ug/m3	ND	08/07/06	WSD	14.			
Chloroethane	ug/m3	ND	08/07/06	WSD	4.0			
Chloroform	ug/m3	ND	08/07/06	WSD	8.0			
Chloromethane	ug/m3	3.3	08/07/06	WSD	3.2			
Cyclohexane	ug/m3	ND	08/07/06	WSD	5.6			
1,2-Dibromoethane	ug/m3	ND	08/07/06	WSD	12.			
1,2-Dichlorobenzene	ug/m3	ND	08/07/06	WSD	9.6			
1,3-Dichlorobenzene	ug/m3	ND	08/07/06	WSD	9.6			
1,4-Dichlorobenzene	ug/m3	ND	08/07/06	WSD	9.6			
Dichlorodifluoromethane	ug/m3	ND	08/07/06	WSD	8.0			
1,1-Dichloroethane	ug/m3	ND	08/07/06	WSD	6.4			
1,2-Dichloroethane	ug/m3	ND	08/07/06	WSD	6.4			
1,1-Dichloroethylene	ug/m3	ND	08/07/06	WSD	6.4			
cis-1,2-Dichloroethylene	ug/m3	ND	08/07/06	WSD	6.4			
t-1,2-Dichloroethylene	ug/m3	ND	08/07/06	WSD	6.4			
1,2-Dichloropropane	ug/m3	ND	08/07/06	WSD	7.2			
cis-1,3-Dichloropropene	ug/m3	ND	08/07/06	WSD	7.2			
trans-1,3-Dichloropropene	ug/m3	ND	08/07/06	WSD	7.2			
Ethylbenzene	ug/m3	15.	08/07/06	WSD	7.2			
2-Hexanone	ug/m3	ND	08/07/06	WSD	6.4			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/07/06	WSD	5.6			
Methylene Chloride	ug/m3	21.	08/07/06	WSD	5.6			

RL = Reporting Limit

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-08S

Sample ID : 06B24294

Sampled : 7/27/2006
NOT SPECIFIED

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/07/06	WSD	6.4			
Styrene	ug/m3	ND	08/07/06	WSD	7.2			
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/07/06	WSD	12.			
Tetrachloroethylene	ug/m3	ND	08/07/06	WSD	12.			
Toluene	ug/m3	110	08/07/06	WSD	6.4			
1,2,4-Trichlorobenzene	ug/m3	ND	08/07/06	WSD	12.			
1,1,1-Trichloroethane	ug/m3	ND	08/07/06	WSD	8.8			
1,1,2-Trichloroethane	ug/m3	ND	08/07/06	WSD	8.8			
Trichloroethylene	ug/m3	ND	08/07/06	WSD	8.8			
Trichlorofluoromethane	ug/m3	ND	08/07/06	WSD	8.8			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	08/07/06	WSD	12.			
Vinyl Chloride	ug/m3	ND	08/07/06	WSD	4.0			
m/p-Xylene	ug/m3	25.	08/07/06	WSD	7.2			
o-Xylene	ug/m3	15.	08/07/06	WSD	7.2			

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit
ND = Not Detected at or above the Reporting Limit
NM = Not Measured
* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-08S

Sample ID : 06B24294

Sampled : 7/27/2006
NOT SPECIFIED
Sample Medium : SUMMA

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
SPECIAL TEST			08/07/06	WSD				

Results by TO-15 ESTIMATED

Analyte:	Estimated Sample Conc:(PPBv)	Estimated Sample Conc:(ug/m^3)	Reporting Limit (PPBv)	Reporting Limit (ug/m^3)
Bromoform	ND	ND	1.6	16.
Methyl Acetate	ND	ND	3.4	10.2
Methylcyclohexane	ND	ND	2.5	10.2
Isopropylbenzene	ND	ND	2.1	10.2
1,2-Dibromo-3-Chloropropane	ND	ND	0.94	10.2

ND= Not Detected

8/21/06

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-09S

Sample ID : 06B24287

Sampled : 7/26/2006
NOT SPECIFIED

Sample Matrix: AIR

Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acetone	ug/m3	ND	08/03/06	WSD	0.2			
Benzene	ug/m3	12.	08/03/06	WSD	0.2			
Bromodichloromethane	ug/m3	ND	08/03/06	WSD	0.6			
Bromomethane	ug/m3	ND	08/03/06	WSD	0.4			
2-Butanone (MEK)	ug/m3	ND	08/03/06	WSD	0.3			
Carbon Disulfide	ug/m3	ND	08/03/06	WSD	0.3			
Carbon Tetrachloride	ug/m3	ND	08/03/06	WSD	0.6			
Chlorobenzene	ug/m3	ND	08/03/06	WSD	0.4			
Chlorodibromomethane	ug/m3	ND	08/03/06	WSD	0.7			
Chloroethane	ug/m3	ND	08/03/06	WSD	0.2			
Chloroform	ug/m3	ND	08/03/06	WSD	0.4			
Chloromethane	ug/m3	ND	08/03/06	WSD	0.2			
Cyclohexane	ug/m3	ND	08/03/06	WSD	0.3			
1,2-Dibromoethane	ug/m3	ND	08/03/06	WSD	0.6			
1,2-Dichlorobenzene	ug/m3	0.6	08/03/06	WSD	0.5			
1,3-Dichlorobenzene	ug/m3	ND	08/03/06	WSD	0.5			
1,4-Dichlorobenzene	ug/m3	ND	08/03/06	WSD	0.5			
Dichlorodifluoromethane	ug/m3	ND	08/03/06	WSD	0.4			
1,1-Dichloroethane	ug/m3	230	08/03/06	WSD	0.3			
1,2-Dichloroethane	ug/m3	ND	08/03/06	WSD	0.4			
1,1-Dichloroethylene	ug/m3	ND	08/03/06	WSD	0.4			
cis-1,2-Dichloroethylene	ug/m3	ND	08/03/06	WSD	0.4			
t-1,2-Dichloroethylene	ug/m3	ND	08/03/06	WSD	0.4			
1,2-Dichloropropane	ug/m3	ND	08/03/06	WSD	0.4			
cis-1,3-Dichloropropene	ug/m3	ND	08/03/06	WSD	0.4			
trans-1,3-Dichloropropene	ug/m3	ND	08/03/06	WSD	0.4			
Ethylbenzene	ug/m3	67.	08/03/06	WSD	0.4			
2-Hexanone	ug/m3	ND	08/03/06	WSD	0.4			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/03/06	WSD	0.3			
Methylene Chloride	ug/m3	ND	08/03/06	WSD	0.3			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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* = See end of report for comments and notes applying to this sample

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JOHN BOYD
URS CORPORATION
77 GOODELL STREET
BUFFALO, NY 14203

Contract: -
Purchase Order No.: -

8/16/2006
Page 51 of 56

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-09S
Sample ID : 06B24287
Sample Matrix: AIR

Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Sampled : 7/26/2006
NOT SPECIFIED
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/03/06	WSD	0.4			
Styrene	ug/m3	3.1	08/03/06	WSD	0.4			
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/03/06	WSD	0.6			
Tetrachloroethylene	ug/m3	13.	08/03/06	WSD	0.6			
Toluene	ug/m3	210	08/03/06	WSD	0.3			
1,2,4-Trichlorobenzene	ug/m3	ND	08/03/06	WSD	0.6			
1,1,1-Trichloroethane	ug/m3	1400	08/03/06	WSD	0.4			
1,1,2-Trichloroethane	ug/m3	ND	08/03/06	WSD	0.5			
Trichloroethylene	ug/m3	1.2	08/03/06	WSD	0.4			
Trichlorofluoromethane	ug/m3	1.8	08/03/06	WSD	0.4			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	08/03/06	WSD	0.6			
Vinyl Chloride	ug/m3	ND	08/03/06	WSD	0.2			
m/p-Xylene	ug/m3	140	08/03/06	WSD	0.4			
o-Xylene	ug/m3	87.	08/03/06	WSD	0.4			

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit
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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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Contract: -
Purchase Order No.: -

8/16/2006
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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-09S

Sample ID : 06B24287

Sampled : 7/26/2006
NOT SPECIFIED
Sample Medium : SUMMA

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
SPECIAL TEST			08/03/06	WSD				

Results by TO-15 ESTIMATED

Analyte:	Estimated Sample Conc:(PPBv)	Estimated Sample Conc:(ug/m^3)	Reporting Limit (PPBv)	Reporting Limit (ug/m^3)
Bromoform	ND	ND UJ	0.1	1.
Methyl Acetate	ND	ND ↓	0.17	0.51
Methylcyclohexane	0.52	2.1 J	0.13	0.51
Isopropylbenzene	0.54	2.6 J	0.10	0.51
1,2-Dibromo-3-Chloropropane	ND	ND UJ	0.05	0.51

ND= Not Detected

RL = Reporting Limit

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Contract: -
Purchase Order No.: -

8/16/2006
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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-10S
Sample ID : 06B24285
Sampled : 7/26/2006
NOT SPECIFIED
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acetone	ug/m3	90.	08/03/06	WSD	0.2			
Benzene	ug/m3	18.	08/03/06	WSD	0.2			
Bromodichloromethane	ug/m3	ND	08/03/06	WSD	0.6			
Bromomethane	ug/m3	ND	08/03/06	WSD	0.4			
2-Butanone (MEK)	ug/m3	7.5	08/03/06	WSD	0.2			
Carbon Disulfide	ug/m3	10.	08/03/06	WSD	0.2			
Carbon Tetrachloride	ug/m3	ND	08/03/06	WSD	0.6			
Chlorobenzene	ug/m3	0.8	08/03/06	WSD	0.4			
Chlorodibromomethane	ug/m3	ND	08/03/06	WSD	0.7			
Chloroethane	ug/m3	52.	08/03/06	WSD	0.2			
Chloroform	ug/m3	1.5	08/03/06	WSD	0.4			
Chloromethane	ug/m3	ND	08/03/06	WSD	0.2			
Cyclohexane	ug/m3	ND	08/03/06	WSD	0.3			
1,2-Dibromoethane	ug/m3	ND	08/03/06	WSD	0.6			
1,2-Dichlorobenzene	ug/m3	0.5	08/03/06	WSD	0.5			
1,3-Dichlorobenzene	ug/m3	ND	08/03/06	WSD	0.5			
1,4-Dichlorobenzene	ug/m3	ND	08/03/06	WSD	0.5			
Dichlorodifluoromethane	ug/m3	ND	08/03/06	WSD	0.4			
1,1-Dichloroethane	ug/m3	340	08/03/06	WSD	0.3			
1,2-Dichloroethane	ug/m3	ND	08/03/06	WSD	0.4			
1,1-Dichloroethylene	ug/m3	ND	08/03/06	WSD	0.4			
cis-1,2-Dichloroethylene	ug/m3	0.9	08/03/06	WSD	0.3			
t-1,2-Dichloroethylene	ug/m3	ND	08/03/06	WSD	0.4			
1,2-Dichloropropane	ug/m3	ND	08/03/06	WSD	0.4			
cis-1,3-Dichloropropene	ug/m3	ND	08/03/06	WSD	0.4			
trans-1,3-Dichloropropene	ug/m3	ND	08/03/06	WSD	0.4			
Ethylbenzene	ug/m3	86.	08/03/06	WSD	0.4			
2-Hexanone	ug/m3	ND	08/03/06	WSD	0.4			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/03/06	WSD	0.3			
Methylene Chloride	ug/m3	1.5	08/03/06	WSD	0.3			

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8/16/2006
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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-10S

Sample ID : 06B24285

Sampled : 7/26/2006
NOT SPECIFIED
Sample Medium : SUMMA

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/03/06	WSD	0.4			
Styrene	ug/m3	4.9	08/03/06	WSD	0.4			
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/03/06	WSD	0.6			
Tetrachloroethylene	ug/m3	9.2	08/03/06	WSD	0.6			
Toluene	ug/m3	290	08/03/06	WSD	0.3			
1,2,4-Trichlorobenzene	ug/m3	ND	08/03/06	WSD	0.6			
1,1,1-Trichloroethane	ug/m3	830	08/03/06	WSD	0.4			
1,1,2-Trichloroethane	ug/m3	ND	08/03/06	WSD	0.5			
Trichloroethylene	ug/m3	1.6	08/03/06	WSD	0.4			
Trichlorofluoromethane	ug/m3	ND	08/03/06	WSD	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	15.	08/03/06	WSD	0.6			
Vinyl Chloride	ug/m3	ND	08/03/06	WSD	0.2			
m/p-Xylene	ug/m3	170	08/03/06	WSD	0.4			
o-Xylene	ug/m3	110	08/03/06	WSD	0.4			

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

RL = Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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8/16/2006
Page 10 of 56
Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-10S

Sample ID : 06B24285

Sampled : 7/26/2006
NOT SPECIFIED
Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
SPECIAL TEST			08/03/06	WSD				

Results by TO-15 ESTIMATED

Analyte:	Estimated Sample Conc:(PPBv)	Estimated Sample Conc:(ug/m^3)	Reporting Limit (PPBv)	Reporting Limit (ug/m^3)
Bromoform	ND	ND	0.1	1.
Methyl Acetate	ND	ND	0.17	0.51
Methylcyclohexane	2.2	8.9	0.13	0.51
Isopropylbenzene	0.65	3.2	0.10	0.51
1,2-Dibromo-3-Chloropropane	ND	ND	0.05	0.51

ND= Not Detected

8/1/06

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

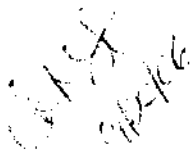
Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-11S

Sample ID : 06B24286

Sampled : 7/26/2006
NOT SPECIFIED
Sample Medium : SUMMA

Sample Matrix: AIR

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Acetone	ug/m3	ND	08/03/06	WSD	0.2			
Benzene	ug/m3	77.	08/03/06	WSD	0.2			
Bromodichloromethane	ug/m3	0.6	08/03/06	WSD	0.5			
Bromomethane	ug/m3	ND	08/03/06	WSD	0.4			
2-Butanone (MEK)	ug/m3	ND	08/03/06	WSD	0.3			
Carbon Disulfide	ug/m3	ND	08/03/06	WSD	0.3			
Carbon Tetrachloride	ug/m3	ND	08/03/06	WSD	0.6			
Chlorobenzene	ug/m3	ND	08/03/06	WSD	0.4			
Chlorodibromomethane	ug/m3	ND	08/03/06	WSD	0.7			
Chloroethene	ug/m3	ND	08/03/06	WSD	0.2			
Chloroform	ug/m3	ND	08/03/06	WSD	0.4			
Chloromethane	ug/m3	ND	08/03/06	WSD	0.2			
Cyclohexane	ug/m3	3.2	08/03/06	WSD	0.3			
1,2-Dibromoethane	ug/m3	ND	08/03/06	WSD	0.6			
1,2-Dichlorobenzene	ug/m3	ND	08/03/06	WSD	0.5			
1,3-Dichlorobenzene	ug/m3	ND	08/03/06	WSD	0.5			
1,4-Dichlorobenzene	ug/m3	ND	08/03/06	WSD	0.5			
Dichlorodifluoromethane	ug/m3	ND	08/03/06	WSD	0.4			
1,1-Dichloroethane	ug/m3	ND	08/03/06	WSD	0.4			
1,2-Dichloroethane	ug/m3	ND	08/03/06	WSD	0.4			
1,1-Dichloroethylene	ug/m3	ND	08/03/06	WSD	0.4			
cis-1,2-Dichloroethylene	ug/m3	ND	08/03/06	WSD	0.4			
t-1,2-Dichloroethylene	ug/m3	ND	08/03/06	WSD	0.4			
1,2-Dichloropropane	ug/m3	ND	08/03/06	WSD	0.4			
cis-1,3-Dichloropropene	ug/m3	ND	08/03/06	WSD	0.4			
trans-1,3-Dichloropropene	ug/m3	ND	08/03/06	WSD	0.4			
Ethylbenzene	ug/m3	52.	08/03/06	WSD	0.4			
2-Hexanone	ug/m3	ND	08/03/06	WSD	0.4			
Methyl tert-Butyl Ether (MTBE)	ug/m3	ND	08/03/06	WSD	0.3			
Methylene Chloride	ug/m3	ND	08/03/06	WSD	0.3			



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Contract: -
Purchase Order No.: -

8/16/2006

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-11S
Sample ID : 06B24286
Sample Matrix: AIR

Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Sampled : 7/26/2006
NOT SPECIFIED
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
4-Methyl-2-Pentanone (MIBK)	ug/m3	ND	08/03/06	WSD	0.4			
Styrene	ug/m3	0.5	08/03/06	WSD	0.4			
1,1,2,2-Tetrachloroethane	ug/m3	ND	08/03/06	WSD	0.6			
Tetrachloroethylene	ug/m3	ND	08/03/06	WSD	0.6			
Toluene	ug/m3	460	08/03/06	WSD	0.3			
1,2,4-Trichlorobenzene	ug/m3	ND	08/03/06	WSD	0.6			
1,1,1-Trichloroethane	ug/m3	21.	08/03/06	WSD	0.4			
1,1,2-Trichloroethane	ug/m3	ND	08/03/06	WSD	0.5			
Trichloroethylene	ug/m3	ND	08/03/06	WSD	0.5			
Trichlorofluoromethane	ug/m3	ND	08/03/06	WSD	0.5			
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	ND	08/03/06	WSD	0.6			
Vinyl Chloride	ug/m3	ND	08/03/06	WSD	0.2			
m/p-Xylene	ug/m3	28.	08/03/06	WSD	0.4			
o-Xylene	ug/m3	ND	08/03/06	WSD	0.4			

Analytical Method:
EPA TO-15
SAMPLES ARE TAKEN IN SUMMA CANISTERS AND ANALYZED BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION. (GC/MS)

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Project Number: 11174772-00002
LIMS-BAT #: LIMS-98896
Job Number: 11174772-00002

Project Location: BOWMAX
Date Received: 7/28/2006
Field Sample # : 623009-V-11S

Sample ID : 06B24286

Sampled : 7/26/2006
NOT SPECIFIED

Sample Matrix: AIR
Sample Medium : SUMMA

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
SPECIAL TEST			08/03/06	WSD				

Results by TO-15 ESTIMATED

Analyte:	Estimated Sample Conc:(PPBv)	Estimated Sample Conc:(ug/m^3)	Reporting Limit (PPBv)	Reporting Limit (ug/m^3)
Bromoform	ND	ND UJ	0.1	1.
Methyl Acetate	ND	ND ↓	0.17	0.51
Methylcyclohexane	1.4	5.4 J	0.13	0.51
Isopropylbenzene	0.14	0.70 J	0.10	0.51
1,2-Dibromo-3-Chloropropane	ND	ND UJ	0.05	0.51

ND= Not Detected

8/31/06

RL = Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

623009GW1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Matrix: (soil/water) WATER Lab Sample ID: E1096-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E4797

Level: (low/med) LOW Date Received: 07/26/06

% Moisture: not dec. _____ Date Analyzed: 08/01/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U J
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	4	J
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U J
71-55-6	1,1,1-Trichloroethane	12	
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U

8/14/06

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

623009GW1

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Matrix: (soil/water) WATER Lab Sample ID: E1096-02A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E4797

Level: (low/med) LOW Date Received: 07/26/06

% Moisture: not dec. _____ Date Analyzed: 08/01/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
76-13-1	1,1,2-Trichloro-1,2,2-Triflu	5	U
79-20-9	Methyl Acetate	5	U
110-81-7	Cyclohexane	5	U
108-87-2	Methylcyclohexane	5	U
76-14-2	Freon114	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

623009GW2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Matrix: (soil/water) WATER Lab Sample ID: E1096-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E4801

Level: (low/med) LOW Date Received: 07/26/06

% Moisture: not dec. _____ Date Analyzed: 08/01/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U J
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	5	U J
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

623009GW2

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Matrix: (soil/water) WATER Lab Sample ID: E1096-01A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E4801

Level: (low/med) LOW Date Received: 07/26/06

% Moisture: not dec. _____ Date Analyzed: 08/01/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
1330-20-7	Xylene (Total)		5	U
100-42-5	Styrene		5	U
75-25-2	Bromoform		5	U
98-82-8	Isopropylbenzene		5	U
79-34-5	1,1,2,2-Tetrachloroethane		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U
96-12-8	1,2-Dibromo-3-chloropropane		5	U J
120-82-1	1,2,4-Trichlorobenzene		5	U J
76-13-1	1,1,2-Trichloro-1,2,2-Triflu		5	U
79-20-9	Methyl Acetate		5	U
110-81-7	Cyclohexane		5	U
108-87-2	Methylcyclohexane		5	U
~~76-14-2~~	~~Freon114~~		5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

623009GW5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Matrix: (soil/water) WATER Lab Sample ID: E1096-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E4798

Level: (low/med) LOW Date Received: 07/26/06

% Moisture: not dec. _____ Date Analyzed: 08/01/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L		Q
75-71-8	Dichlorodifluoromethane		5	U
74-87-3	Chloromethane		5	U
75-01-4	Vinyl Chloride		5	U
74-83-9	Bromomethane		5	U
75-00-3	Chloroethane		41	
75-69-4	Trichlorofluoromethane		5	U
75-35-4	1,1-Dichloroethene		5	U
67-64-1	Acetone		5	U
75-15-0	Carbon Disulfide		5	U
75-09-2	Methylene Chloride		520	E
156-60-5	trans-1,2-Dichloroethene		5	U
1634-04-4	Methyl tert-butyl ether		5	U
75-34-3	1,1-Dichloroethane		2500	E
78-93-3	2-Butanone		24	
156-59-2	cis-1,2-Dichloroethene		5	U
67-66-3	Chloroform		5	U
71-55-6	1,1,1-Trichloroethane	34000	~~9700~~	E
56-23-5	Carbon Tetrachloride		5	U
107-06-2	1,2-Dichloroethane		19	
71-43-2	Benzene		1	J
79-01-6	Trichloroethene		15	
78-87-5	1,2-Dichloropropane		5	U
75-27-4	Bromodichloromethane		5	U
10061-01-5	cis-1,3-Dichloropropene		5	U
108-10-1	4-Methyl-2-pentanone		5	U
108-88-3	Toluene		45	
10061-02-6	trans-1,3-Dichloropropene		5	U
79-00-5	1,1,2-Trichloroethane		5	U
127-18-4	Tetrachloroethene		570	E
591-78-6	2-Hexanone		5	U
124-48-1	Dibromochloromethane		5	U
106-93-4	1,2-Dibromoethane		5	U
108-90-7	Chlorobenzene		5	U
100-41-4	Ethylbenzene	2500	~~2400~~	E

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

623009GW5

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Matrix: (soil/water) WATER Lab Sample ID: E1096-03A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E4798

Level: (low/med) LOW Date Received: 07/26/06

% Moisture: not dec. _____ Date Analyzed: 08/01/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	11000 ~~7200~~	~~E~~ J
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	8	J
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
76-13-1	1,1,2-Trichloro-1,2,2-Triflu	31000 ~~21000~~	~~E~~ J
79-20-9	Methyl Acetate	5	U
110-81-7	Cyclohexane	5	U
108-87-2	Methylcyclohexane	8	J
~~76-14-2~~	~~Freon114~~	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

623009GW5DL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Matrix: (soil/water) WATER Lab Sample ID: E1096-03ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E4869

Level: (low/med) LOW Date Received: 07/26/06

% Moisture: not dec. _____ Date Analyzed: 08/03/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1000.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5000	U
74-87-3	Chloromethane	5000	U
75-01-4	Vinyl Chloride	5000	U
74-83-9	Bromomethane	5000	U
75-00-3	Chloroethane	5000	U
75-69-4	Trichlorofluoromethane	5000	U
75-35-4	1,1-Dichloroethene	5000	U
67-64-1	Acetone	5000	U
75-15-0	Carbon Disulfide	5000	U
75-09-2	Methylene Chloride	5000	U
156-60-5	trans-1,2-Dichloroethene	5000	U
1634-04-4	Methyl tert-butyl ether	5000	U
75-34-3	1,1-Dichloroethane	5000	U
78-93-3	2-Butanone	5000	U
156-59-2	cis-1,2-Dichloroethene	5000	U
67-66-3	Chloroform	5000	U
71-55-6	1,1,1-Trichloroethane	34000	D
56-23-5	Carbon Tetrachloride	5000	U
107-06-2	1,2-Dichloroethane	5000	U
71-43-2	Benzene	5000	U
79-01-6	Trichloroethene	5000	U
78-87-5	1,2-Dichloropropane	5000	U
75-27-4	Bromodichloromethane	5000	U
10061-01-5	cis-1,3-Dichloropropene	5000	U
108-10-1	4-Methyl-2-pentanone	5000	U
108-88-3	Toluene	5000	U
10061-02-6	trans-1,3-Dichloropropene	5000	U
79-00-5	1,1,2-Trichloroethane	5000	U
127-18-4	Tetrachloroethene	5000	U
591-78-6	2-Hexanone	5000	U
124-48-1	Dibromochloromethane	5000	U
106-93-4	1,2-Dibromoethane	5000	U
108-90-7	Chlorobenzene	5000	U
100-41-4	Ethylbenzene	2500	DJ

CLP 9/19/06

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

623009GW5DL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Matrix: (soil/water) WATER Lab Sample ID: E1096-03ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E4869

Level: (low/med) LOW Date Received: 07/26/06

% Moisture: not dec. _____ Date Analyzed: 08/03/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1000.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	11000	D
100-42-5	Styrene	5000	U
75-25-2	Bromoform	5000	U
98-82-8	Isopropylbenzene	5000	U
79-34-5	1,1,2,2-Tetrachloroethane	5000	U
541-73-1	1,3-Dichlorobenzene	5000	U
106-46-7	1,4-Dichlorobenzene	5000	U
95-50-1	1,2-Dichlorobenzene	5000	U
96-12-8	1,2-Dibromo-3-chloropropane	5000	U
120-82-1	1,2,4-Trichlorobenzene	5000	U
76-13-1	1,1,2-Trichloro-1,2,2-Triflu	31000	D
79-20-9	Methyl Acetate	5000	U
110-81-7	Cyclohexane	5000	U
108-87-2	Methylcyclohexane	5000	U
~~76-14-2~~	~~Freon114~~	5000	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

623009GW7

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Matrix: (soil/water) WATER Lab Sample ID: E1096-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E4799

Level: (low/med) LOW Date Received: 07/26/06

% Moisture: not dec. _____ Date Analyzed: 08/01/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	UJ
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	3300 ~~2700~~	E D
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	130	
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	2700 ~~2200~~	E D
78-93-3	2-Butanone	62	
156-59-2	cis-1,2-Dichloroethene	8	
67-66-3	Chloroform	5	UJ
71-55-6	1,1,1-Trichloroethane	1800 ~~1300~~	E D
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	15	
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	4	J
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	4	J
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	UJ
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

623009GW7

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Matrix: (soil/water) WATER Lab Sample ID: E1096-04A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E4799

Level: (low/med) LOW Date Received: 07/26/06

% Moisture: not dec. _____ Date Analyzed: 08/01/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U J
120-82-1	1,2,4-Trichlorobenzene	5	U J
76-13-1	1,1,2-Trichloro-1,2,2-Triflu	430 ~~360~~	E D
79-20-9	Methyl Acetate	5	U
110-81-7	Cyclohexane	5	U
108-87-2	Methylcyclohexane	5	U
~~76-14-2~~	~~Freon114~~	~~5~~	~~U~~

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

623009GW7DL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Matrix: (soil/water) WATER Lab Sample ID: E1096-04ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E4870

Level: (low/med) LOW Date Received: 07/26/06

% Moisture: not dec. _____ Date Analyzed: 08/03/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 25.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	120	U
74-87-3	Chloromethane	120	U
75-01-4	Vinyl Chloride	120	U
74-83-9	Bromomethane	120	U
75-00-3	Chloroethane	3300	D
75-69-4	Trichlorofluoromethane	120	U
75-35-4	1,1-Dichloroethene	170	D
67-64-1	Acetone	120	U
75-15-0	Carbon Disulfide	120	U
75-09-2	Methylene Chloride	120	U
156-60-5	trans-1,2-Dichloroethene	120	U
1634-04-4	Methyl tert-butyl ether	120	U
75-34-3	1,1-Dichloroethane	2700	D
78-93-3	2-Butanone	120	U
156-59-2	cis-1,2-Dichloroethene	120	U
67-66-3	Chloroform	120	U
71-55-6	1,1,1-Trichloroethane	1800	D
56-23-5	Carbon Tetrachloride	120	U
107-06-2	1,2-Dichloroethane	120	U
71-43-2	Benzene	120	U
79-01-6	Trichloroethene	120	U
78-87-5	1,2-Dichloropropane	120	U
75-27-4	Bromodichloromethane	120	U
10061-01-5	cis-1,3-Dichloropropene	120	U
108-10-1	4-Methyl-2-pentanone	120	U
108-88-3	Toluene	120	U
10061-02-6	trans-1,3-Dichloropropene	120	U
79-00-5	1,1,2-Trichloroethane	120	U
127-18-4	Tetrachloroethene	120	U
591-78-6	2-Hexanone	120	U
124-48-1	Dibromochloromethane	120	U
106-93-4	1,2-Dibromoethane	120	U
108-90-7	Chlorobenzene	120	U
100-41-4	Ethylbenzene	120	U

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

623009GW7DL

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Matrix: (soil/water) WATER Lab Sample ID: E1096-04ADL

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E4870

Level: (low/med) LOW Date Received: 07/26/06

% Moisture: not dec. _____ Date Analyzed: 08/03/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 25.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	120	U
100-42-5	Styrene	120	U
75-25-2	Bromoform	120	U
98-82-8	Isopropylbenzene	120	U
79-34-5	1,1,2,2-Tetrachloroethane	120	U
541-73-1	1,3-Dichlorobenzene	120	U
106-46-7	1,4-Dichlorobenzene	120	U
95-50-1	1,2-Dichlorobenzene	120	U
96-12-8	1,2-Dibromo-3-chloropropane	120	U
120-82-1	1,2,4-Trichlorobenzene	120	U
76-13-1	1,1,2-Trichloro-1,2,2-Triflu	430	D
79-20-9	Methyl Acetate	120	U
110-81-7	Cyclohexane	120	U
108-87-2	Methylcyclohexane	120	U
76-14-2	Freon114	120	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Matrix: (soil/water) WATER Lab Sample ID: E1096-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E4800

Level: (low/med) LOW Date Received: 07/26/06

% Moisture: not dec. _____ Date Analyzed: 08/01/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl tert-butyl ether	5	U
75-34-3	1,1-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
67-66-3	Chloroform	2	J
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
107-06-2	1,2-Dichloroethane	5	U
71-43-2	Benzene	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-pentanone	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U

8/9/06

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Matrix: (soil/water) WATER Lab Sample ID: E1096-05A

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: V6E4800

Level: (low/med) LOW Date Received: 07/26/06

% Moisture: not dec. _____ Date Analyzed: 08/01/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1330-20-7	Xylene (Total)	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
76-13-1	1,1,2-Trichloro-1,2,2-Triflu	5	U
79-20-9	Methyl Acetate	5	U
110-81-7	Cyclohexane	5	U
108-87-2	Methylcyclohexane	5	U
76-14-2	Freon114	5	U

8/1/06

ATTACHMENT B

SUPPORT DOCUMENTATION

LIMS-98896

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 84117477 2.00002

SITE NAME BOWMAX

SAMPLERS (PRINT/SIGNATURE) John Boyd

DELIVERY SERVICE: Fed Ex AIRBILL NO.:

LAB Con-Test

COOLER 3 BOXES of

PAGE 1 of 1

TESTS: TO-15

BOTTLE TYPE AND PRESERVATIVE: 6 LITER SUMMAS; 06B

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	REMARKS (CANISTER ID / Reg. NO)	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (ERPIMS)
	7/26/06	1433	2hr AIR	623009-V-10S	GS	1	3433 7432	N.	-	-	-
		1508		623009-V-11S	GS	1	1327 5015	N	-	-	-
		~~1538~~		~~623009-V-09S~~			~~1379~~				
		1530		623009-V-9S	GS	1	1379 5040	N.	-	-	-
		1811		623009-V-1S	GS	1	1310 5085	N.	-	-	-
		1832		623009-V-2S	GS	1	1809 40	N.	-	-	-
		1854		623009-V-4S	GS	1	4405 5071	N.	-	-	-
	7/27/06	0902		623009-V-6S	GS	1	3373 5042	N.	-	-	-
		0945		623009-V-7S	GS	1	1374 5047	N.	-	-	-
		1009		623009-V-5S	GS	1	1365 5060	N.	-	-	-
		1202		623009-V-8S	GS	1	1386 5069	N.	-	-	-
		-		20060727-FD-1	GS	1	1368 5054	FR.	-	-	-

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
John Boyd	7/27/06	1420			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
			Chris Lynch	7-28-06	13:30

SPECIAL INSTRUCTIONS: Sample NO's 623009-V-4S AND 623009-V-8S went to Ambient (Almost) in 12 minutes each! Appears to be faulty regulators. Call for times. Please Analyze these Samples. We will call to discuss. John Boyd - URS

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 8/16/2006

URS CORPORATION
77 GOODELL STREET
BUFFALO, NY 14203
ATTN: JOHN BOYD

CONTRACT NUMBER: -
PURCHASE ORDER NUMBER: -

PROJECT NUMBER: 11174772-00002

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-98896
JOB NUMBER: 11174772-00002

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

Comments :

LIMS BATCH NO. : LIMS-98896

REVISED REPORT

NARRATIVE SUMMARY

METHOD BLANKS WERE CONTAMINATED WITH TARGET ANALYTES AS LISTED BELOW:
BLANK FOR SAMPLES 06B24285 - 06B24287, 06B24291 - 06B24293, AND 06B24295:
ACETONE: 0.2 PPBV (0.4 UG/M3)

BLANK FOR SAMPLES 06B24288 - 06B24290 AND 06B24294:
ACETONE: 0.6 PPBV (1.4 UG/M3)

THERE ARE NO OTHER ANALYTICAL ISSUES THAT AFFECT THE USABILITY OF THE DATA.

DETAILED CASE NARRATIVE

METHOD TO-15

THE TO-15 METHOD BLANK WAS NOT CONTAMINATED WITH TARGET ANALYTES AT LEVELS ABOVE THE REPORTING LIMIT EXCEPT WHERE LISTED BELOW:

BLANK FOR SAMPLES 06B24285 - 06B24287, 06B24291 - 06B24293, AND 06B24295:
ACETONE: 0.2 PPBV (0.4 UG/M3)

BLANK FOR SAMPLES 06B24288 - 06B24290 AND 06B24294:
ACETONE: 0.6 PPBV (1.4 UG/M3)

ALL TO-15 SAMPLES WERE ANALYZED UNDILUTED UNLESS SPECIFIED BELOW:

SAMPLE	DILUTION	COMPOUNDS
06B24285	20X OF 400MLS (EFFECTIVE 50X OF 1000 MLS)	ACETONE, ETHYLBENZENE, TOLUENE, 1,1,1-TRICHLOROETHANE, XYLENES, 1,1-DICHLOROETHANE, CHLOROETHANE, 1,2,4-TRIMETHYLBENZENE
06B24285DUP	20X OF 400MLS (EFFECTIVE 50X OF 1000 MLS)	ACETONE, ETHYLBENZENE, TOLUENE, 1,1,1-TRICHLOROETHANE, XYLENES, 1,1-DICHLOROETHANE, CHLOROETHANE, 1,2,4-TRIMETHYLBENZENE
06B24286	20X OF 400MLS (EFFECTIVE 50X OF 1000 MLS)	BENZENE, TOLUENE, ETHYLBENZENE
06B24287	20X OF 400MLS (EFFECTIVE 50X OF 1000 MLS)	ETHYLBENZENE, TOLUENE, 1,1,1-TRICHLOROETHANE, XYLENES, 1,1-DICHLOROETHANE, 1,2,4-TRIMETHYLBENZENE
06B24288	20X OF 400MLS (EFFECTIVE 50X OF 1000 MLS)	ACETONE, BENZENE, ETHYLBENZENE, 1,1,1-TRICHLOROETHANE, XYLENES, 1,1-DICHLOROETHANE, CARBON DISULFIDE
	200X OF 400 MLS (EFFECTIVE 500X OF 1000 MLS)	TOLUENE

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 8/16/2006

URS CORPORATION
77 GOODELL STREET
BUFFALO, NY 14203
ATTN: JOHN BOYD

CONTRACT NUMBER: -
PURCHASE ORDER NUMBER: -

PROJECT NUMBER: 11174772-00002

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-98896
JOB NUMBER: 11174772-00002

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

06B24289	20X OF 400MLS (EFFECTIVE 50X OF 1000 MLS)	ACETONE, ETHYLBENZENE, XYLENES, CARBON DISULFIDE
	200X OF 400 MLS (EFFECTIVE 500X OF 1000 MLS)	BENZENE, TOLUENE
06B24290	4X ONLY - LIMITED AIR VOLUME IN CANISTER	
06B24291	5X ENTIRE SAMPLE EXCEPT	
	20X	TOLUENE, 1,1-DICHLOROETHANE,
	20X	1,1-DICHLOROETHYLENE, VINYL CHLORIDE,
	400X	CHLOROETHANE, CIS-1,2-DICHLOROETHYLENE
06B24292	5X ENTIRE SAMPLE EXCEPT	
	20X	TETRACHLOROETHYLENE, TOLUENE,
	20X	CHLOROETHANE
	1000X	1,1,1-TRICHLOROETHANE,
	1000X	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,
	1000X	1,1-DICHLOROETHYLENE
	1000X	1,1-DICHLOROETHANE
06B24293	5X ENTIRE SAMPLE EXCEPT	
	20X	ETHYLBENZENE
	1000X	BENZENE, TOLUENE, 1,1-DICHLOROETHANE,
	1000X	1,1-DICHLOROETHYLENE
	5000X	1,1,1-TRICHLOROETHANE,
	5000X	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE
06B24294	8X ONLY - LIMITED AIR VOLUME IN CANISTER	
06B24295	5X ENTIRE SAMPLE EXCEPT	
	20X	BENZENE, TOLUENE, CHLOROETHANE
	20X	TETRACHLOROETHYLENE
	1000X	1,1-DICHLOROETHANE,
	1000X	1,1-DICHLOROETHYLENE,
	1000X	1,1,1-TRICHLOROETHANE,
	1000X	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE

INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR METHOD TO-15 EXCEPT AS LISTED BELOW: ALL STANDARDS MET

LABORATORY CONTROL SAMPLE RECOVERIES WERE ALL WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS

LFBLANK-53719 IS ASSOCIATED WITH THE PRIMARY, UNDILUTED ANALYSIS FOR SAMPLES 06B24285 - 06B24287, 06B24291 - 06B24293, AND 06B24295:

LFBLANK-53722 IS ASSOCIATED WITH THE PRIMARY, UNDILUTED ANALYSIS FOR SAMPLES 06B24288 - 06B24290, AND 06B24294

ALL TO-15 SURROGATE STANDARD RECOVERIES WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS

TENTATIVELY IDENTIFIED COMPOUNDS (TICs) IF REQUESTED ARE LISTED BELOW:
NOT REQUESTED

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

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ANALYTICAL LABORATORY

39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 8/16/2006

URS CORPORATION
77 GOODELL STREET
BUFFALO, NY 14203
ATTN: JOHN BOYD

CONTRACT NUMBER: -
PURCHASE ORDER NUMBER: -

PROJECT NUMBER: 11174772-00002

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-98896
JOB NUMBER: 11174772-00002

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 8/16/06

SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra L. Slesinski
Quality Assurance Officer

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample

Sequence Name: C:\MSDChem\1\sequence\F080306.S
Comment:
Operator: WSD
Data Path: C:\MSDCHEM\1\DATA\F080306\

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Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Sample Name/Misc Info				
1)	Blank	1	F080301	S071306	BAKE OUT
2)	Blank	1	F080302	S071306	BFB
3)	Calibration	3	F080303	S071306	10 PPBV STD
4)	Sample	2	F080304	S071306	10PPBV QC -LFBLANK.53719
5)	Blank	1	F080305	S071306	MB
6)	Blank	1	F080306	S071306	MB
7)	Sample	7	F080307	S071306	06B24286 1X 1000ml
8)	Sample	1	F080308	S071306	CLUP
9)	Sample	6	F080309	S071306	06B24285 1X 1000ml
10)	Sample	6	F080310	S071306	06B24285 1X DUP 1000ml
11)	Sample	1	F080311	S071306	CLUP
12)	Sample	8	F080312	S071306	06B24287 1X 1000ml
13)	Sample	1	F080313	S071306	CLUP 1000ml 8/7/F
14)	Sample	9	F080314	S071306	06B24288 2X NOTICE RR ~~500ml~~
15)	Sample	1	F080315	S071306	CLUP
16)	Sample	10	F080316	S071306	06B24289 2X NOTICE:RR ~~500ml~~ 1000ml 8/7/F
17)	Sample	1	F080317	S071306	CLUP
18)	Sample	15	F080318	S071306	06B24291 20x
19)	Sample	15	F080319	S071306	06B24291 5x Lowest RL
20)	Sample	1	F080320	S071306	CLUP
21)	Sample	12	F080321	S071306	06B24292 20x
22)	Sample	12	F080322	S071306	06B24292 5x Lowest RL
23)	Sample	1	F080323	S071306	CLUP
24)	Sample	13	F080324	S071306	06B24293 5x Lowest RL
25)	Sample	1	F080325	S071306	CLUP
26)	Sample	14	F080326	S071306	06B24295 5x Lowest RL
27)	Sample	1	F080327	S071306	CLUP
28)	Sample	1	F080328	S071306	BFB
29)	Sample	4	F080329	S071306	1.41 ug/m^3 std
30)	Sample	4	F080330	S071306	1.41 ug/m^3 std
31)	Sample	4	F080331	S071306	3.525 ug/m^3 std
32)	Sample	4	F080332	S071306	7.05 ug/m^3 std
33)	Sample	4	F080333	S071306	14.1 ug/m^3 std
34)	Sample	4	F080334	S071306	28.2 ug/m^3 std
35)	Sample	4	F080335	S071306	35.25 ug/m^3 std
36)	Sample	5	F080336	S071306	25 ug/m^3 qc
37)	Sample	4	F080337	S071306	19.79 ug/m^3 STD
38)	Sample	4	F080338	S071306	25 ug/m^3 qc

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA\F080306\
Data File : F080303.D
Acq On : 3 Aug 2006 10:17 am
Operator : WSD
Sample : 10 PPBV STD
Misc :
ALS Vial : 3 Sample Multiplier: 1

145

Quant Time: Aug 03 11:15:44 2006
Quant Method : C:\MSDChem\1\METHODS\S080106.M
Quant Title : INITIAL RTE INTERGRATOR METHOD
QLast Update : Wed Aug 02 15:43:29 2006
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.30min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1		BROMOCHLOROMETHANE	1.000	1.000	0.0	126	0.00
2		PROPENE	0.501	0.503	-0.4	113	0.00
3		DICHLORODIFLUOROMETHANE	4.105	3.556	13.4	107	0.00
4		CHLOROMETHANE	0.686	0.650	5.2	116	0.00
5		FREON 114	3.490	3.086	11.6	110	0.00
6		VINYL CHLORIDE	0.888	0.798	10.1	109	0.00
7		1,3-BUTADIENE	0.706	0.625	11.5	111	0.00
8		BROMOMETHANE	1.061	0.936	11.8	110	0.00
9		CHLOROETHANE	0.450	0.395	12.2	112	0.00
10		ACETONE	1.927	1.275	33.8#	112	0.00
11		TRICHLOROFLUOROMETHANE	4.698	3.833	18.4	108	0.00
12		ETHANOL	0.296	0.212	28.4	114	-0.01
13		1,1-DICHLOROETHENE	1.779	1.571	11.7	110	0.00
14		METHYLENE CHLORIDE	1.236	0.877	29.0	111	0.00
15		FREON 113	2.468	2.163	12.4	109	0.00
16		CARBON DISULFIDE	2.623	2.313	11.8	113	0.00
17		TRANS-1,2-DICHLOROETHENE	1.383	1.263	8.7	114	0.00
18		1,1-DICHLOROETHANE	1.720	1.564	9.1	115	0.00
19		MTBE	2.686	2.560	4.7	111	0.00
20		IPA	1.011	0.975	3.6	106	-0.01
21		2-BUTANONE(MEK)	1.463	1.339	8.5	114	0.00
22		CIS-1,2-DICHLOROETHENE	1.322	1.215	8.1	113	0.00
23		VINYL ACETATE	2.066	1.924	6.9	113	0.00
24		HEXANE	1.086	0.922	15.1	111	0.00
25		ETHYL ACETATE	0.191	0.192	-0.5	112	0.00
26		CHLOROFORM	2.676	2.371	11.4	111	0.00
27		TETRAHYDROFURAN	0.670	0.678	-1.2	116	0.00
28		1,2-DICHLOROETHANE	1.914	1.663	13.1	107	0.00
29		1,4-DIFLUROBENZENE	1.000	1.000	0.0	133	0.00
30		1,1,1-TRICHLOROETHANE	1.023	0.862	15.7	108	0.00
31		BENZENE	0.862	0.766	11.1	113	0.00
32		CARBON TETRACHLORIDE	1.180	0.986	16.4	107	0.00
33		CYCLOHEXANE	0.238	0.206	13.4	113	0.00
34		1,2-DICHLOROPROPANE	0.268	0.232	13.4	114	0.00
35		BROMODICHLOROMETHANE	0.891	0.764	14.3	109	0.00
36		TRICHLOROETHENE	0.490	0.403	17.8	111	0.00
37		HEPTANE	0.223	0.198	11.2	114	0.00
38		MIBK	0.427	0.408	4.4	111	0.00
39		CIS-1,3-DICHLOROPROPENE	0.483	0.444	8.1	111	0.00
40		TRANS-1,3-DICHLOROPROPENE	0.520	0.497	4.4	109	0.00
41	I	CHLOROBENZENE-D5 ISTD	1.000	1.000	0.0	138	0.00
42		1,1,2-TRICHLOROETHANE	0.497	0.419	15.7	111	0.00
43		TOLUENE	1.439	1.230	14.5	110	0.00
44		2-HEXANONE(MBK)	0.482	0.478	0.8	112	0.00
45		DIBROMOCHLOROMETHANE	1.207	0.995	17.6	107	0.00

<50%

CHAIN OF CUSTODY RECORD

URS

PROJECT NO.

SITE NAME: BOWMAN -WATERTOWN

SAMPLERS (PRINT/SIGNATURE): JOHN BOYD

DELIVERY SERVICE: FedEx AIRBILL NO.:

LAB: ~~Mitk~~ MITKEM

COOLER 1 of 1

PAGE 1 of 1

TESTS: 8260 B

BOTTLE TYPE AND PRESERVATIVE: 40 mL

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (FRPMS)
	7/25/06	10 00	GRAB	623009-GW-2	WG	2		N	—	—	—
		10 00		623009-GW-2 MS	WG	2		MS	—	—	—
		1000		623-009-GW-2 MSD	WG	2		MSD	—	—	—
		1150		623009-GW-1	WG	2		N	—	—	—
		1545		623009-GW-5	WG	2		N	—	—	—
		1650		623009-GW-7	WG	2		N	—	—	—
		—		TRIP BLANK	~~WG~~	2		TB	—	—	—

MATRIX CODES	AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)		

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
7/25/06	~~183~~	1830			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME
				7/26/06	9:00

SPECIAL INSTRUCTIONS: Contact Ann Marie Kropovitch at 716 856 5636 if questions

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

5C

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to URS Corporation's Bomax Manufacturing project. Under this deliverable, analysis results are presented for five aqueous samples that were received on July 26, 2006. Analyses were performed per specifications in the project's contract and the chain of custody forms, following discussions with the client. Sample Identifications were shortened where necessary due to limitations in data reporting software. Following the narrative is a table of sample identifications for cross-referencing full client sample ID, shortened client sample ID and laboratory sample ID, along with the Mitkem Work Order.

The analyses were performed according to NYSDEC ASP protocols (2000 update) and reported per NYSDEC ASP requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall Observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

2. Volatile Analysis:

Trap used for instruments V1 and V6: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

The aqueous samples were not acid preserved; pH 7.

Surrogate recovery: recoveries were within the QC limits.

Lab control sample: spike recoveries were within the QC limits with the exception of high recovery of 1,2-dichloroethane and low recovery of dibromochloromethane in V1TLCS and marginally low recovery of chloroform in V6ZLCS.

Matrix spike/matrix spike duplicate: duplicate matrix spikes were performed on sample 623009GW2. Spike recoveries were within the QC limits with the exception of marginally high recovery of 1,2-dichloroethane in the matrix spike and marginally low recovery of dibromochloromethane in the matrix spike duplicate. Replicate RPDs were within the QC limits.

Sample analysis: internal standard area counts were within QC criteria with the exception of sample 623009GW5. The sample was re-analyzed at dilution with internal standard area counts within QC criteria. Due to the high concentration of target analytes, the following samples were re-analyzed at dilution: 623009GW5 (1000x) and 623009GW7 (25x). No other unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Agnes Ng
CLP Project Manager
08/16/06

FORM 3
WATER VOLATILE LAB CONTROL SAMPLE

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Matrix Spike - Sample No.: V6ZLCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	50		33	66	48-135
Chloromethane	50		38	76	60-118
Vinyl Chloride	50		40	80	65-113
Bromomethane	50		42	84	73-122
Chloroethane	50		44	88	72-118
Trichlorofluoromethane	50		40	80	68-129
1,1-Dichloroethene	50		41	82	67-121
Acetone	50		55	110	38-161
Carbon Disulfide	50		38	76	53-137
Methylene Chloride	50		46	92	59-132
trans-1,2-Dichloroethen	50		42	84	71-124
Methyl tert-butyl ether	50		51	102	75-123
1,1-Dichloroethane	50		42	84	83-116
2-Butanone	50		54	108	64-139
cis-1,2-Dichloroethene	50		45	90	83-120
Chloroform	50		44	88*	89-118
1,1,1-Trichloroethane	50		41	82	81-122
Carbon Tetrachloride	50		41	82	79-125
1,2-Dichloroethane	50		50	100	83-123
Benzene	50		45	90	81-120
Trichloroethene	50		43	86	77-121
1,2-Dichloropropane	50		47	94	81-116
Bromodichloromethane	50		46	92	90-114
cis-1,3-Dichloropropene	50		48	96	78-119
4-Methyl-2-pentanone	50		51	102	57-138
Toluene	50		45	90	81-121
trans-1,3-Dichloroprope	50		48	96	85-118
1,1,2-Trichloroethane	50		51	102	44-159

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Lab File ID (Standard): V6E4791 Date Analyzed: 08/01/06

Instrument ID: V6 Time Analyzed: 1019

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
	12 HOUR STD	1532145	5.63	1228666	9.22	713212	12.19
	UPPER LIMIT	3064290	6.13	2457332	9.72	1426424	12.69
	LOWER LIMIT	766073	5.13	614333	8.72	356606	11.69
	EPA SAMPLE NO.						
01	VBLK6Z	1427178	5.63	1080801	9.22	565914	12.19
02	V6ZLCS	1365978	5.63	1079707	9.21	624109	12.19
03	623009GW1	979475	5.64	744192	9.21	394008	12.19
04	623009GW5	721878*	5.63	607676*	9.22	332085*	12.19
05	623009GW7	879971	5.63	669286	9.22	361702	12.19
06	TB	1144832	5.64	881849	9.22	482490	12.19
07	623009GW2	1280173	5.64	1056745	9.21	526158	12.19
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Lab File ID: V6E4790 BFB Injection Date: 08/01/06

Instrument ID: V6 BFB Injection Time: 0956

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.4
75	30.0 - 60.0% of mass 95	56.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.6 (0.7)1
174	50.0 - 100.0% of mass 95	88.9
175	5.0 - 9.0% of mass 174	6.5 (7.4)1
176	95.0 - 101.0% of mass 174	85.5 (96.1)1
177	5.0 - 9.0% of mass 176	5.5 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD0506Z	VSTD0506Z	V6E4791	08/01/06	1019
02	VBLK6Z	MB-25083	V6E4792	08/01/06	1119
03	V6ZLCS	LCS-25083	V6E4793	08/01/06	1154
04	623009GW1	E1096-02A	V6E4797	08/01/06	1345
05	623009GW5	E1096-03A	V6E4798	08/01/06	1410
06	623009GW7	E1096-04A	V6E4799	08/01/06	1436
07	TB	E1096-05A	V6E4800	08/01/06	1501
08	623009GW2	E1096-01A	V6E4801	08/01/06	1526
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Samples

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Instrument ID: V6 Calibration Date: 08/01/06 Time: 1019

Lab File ID: V6E4791 Init. Calib. Date(s): 05/15/06 05/15/06

Heated Purge: (Y/N) N Init. Calib. Times: 1146 1357

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	0.230	0.178	0.01	22.6	20.0	<-
Chloromethane	0.435	0.349	0.1	19.8	20.0	
Vinyl Chloride	0.359	0.313	0.01	12.8	20.0	
Bromomethane	0.259	0.221	0.01	14.7	20.0	
Chloroethane	0.206	0.188	0.01	8.7	20.0	
Trichlorofluoromethane	0.533	0.493	0.01	7.5	20.0	
1,1-Dichloroethene	0.270	0.232	0.01	14.1	20.0	
Acetone	0.105	0.114	0.01	8.6	20.0	
Carbon Disulfide	0.929	0.763	0.01	17.9	20.0	
Methylene Chloride	0.287	0.254	0.01	11.5	20.0	
trans-1,2-Dichloroethene	0.305	0.270	0.01	11.5	20.0	
Methyl tert-butyl ether	0.868	0.801	0.01	7.7	20.0	
1,1-Dichloroethane	0.575	0.476	0.1	17.2	20.0	
2-Butanone	0.145	0.148	0.01	2.1	20.0	
cis-1,2-Dichloroethene	0.317	0.284	0.01	10.4	20.0	
Chloroform	0.640	0.553	0.01	13.6	20.0	
1,1,1-Trichloroethane	0.584	0.512	0.01	12.3	20.0	
Carbon Tetrachloride	0.543	0.499	0.01	8.1	20.0	
1,2-Dichloroethane	0.502	0.446	0.01	11.2	20.0	
Benzene	1.162	1.025	0.01	11.8	20.0	
Trichloroethene	0.334	0.302	0.01	9.6	20.0	
1,2-Dichloropropane	0.309	0.273	0.01	11.6	20.0	
Bromodichloromethane	0.462	0.423	0.01	8.4	20.0	
cis-1,3-Dichloropropene	0.502	0.453	0.01	9.8	20.0	
4-Methyl-2-pentanone	0.304	0.264	0.01	13.2	20.0	
Toluene	1.253	1.137	0.01	9.2	20.0	
trans-1,3-Dichloropropene	0.491	0.429	0.01	12.6	20.0	
1,1,2-Trichloroethane	0.250	0.229	0.01	8.4	20.0	
Tetrachloroethene	0.353	0.328	0.01	7.1	20.0	
2-Hexanone	0.272	0.258	0.01	5.1	20.0	
Dibromochloromethane	0.485	0.425	0.01	12.4	20.0	
1,2-Dibromoethane	0.389	0.325	0.01	16.4	20.0	
Chlorobenzene	1.080	0.945	0.3	12.5	20.0	
Ethylbenzene	0.576	0.504	0.01	12.5	20.0	
Xylene (Total)	0.698	0.635	0.01	9.0	20.0	
Styrene	1.147	1.039	0.01	9.4	20.0	
Bromoform	0.335	0.308	0.1	8.0	20.0	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: MITKEM CORPORATION Contract:

Lab Code: MITKEM Case No.: SAS No.: SDG No.: ME1096

Instrument ID: V6 Calibration Date: 08/01/06 Time: 1019

Lab File ID: V6E4791 Init. Calib. Date(s): 05/15/06 05/15/06

Heated Purge: (Y/N) N Init. Calib. Times: 1146 1357

GC Column: DB-624 ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Isopropylbenzene	1.700	1.573	0.01	7.5	20.0	
1,1,2,2-Tetrachloroethane	0.885	0.730	0.3	17.5	20.0	
1,3-Dichlorobenzene	1.746	1.464	0.01	16.2	20.0	
1,4-Dichlorobenzene	1.737	1.448	0.01	16.6	20.0	
1,2-Dichlorobenzene	1.639	1.362	0.01	16.9	20.0	
1,2-Dibromo-3-chloropropane	0.178	0.131	0.01	26.4	20.0	<-
1,2,4-Trichlorobenzene	1.138	0.815	0.01	28.4	20.0	<-
1,1,2-Trichloro-1,2,2-Triflu	0.300	0.286	0.01	4.7	20.0	
Methyl Acetate	0.212	0.196	0.01	7.5	20.0	
Cyclohexane	0.551	0.490	0.01	11.1	20.0	
Methylcyclohexane	0.495	0.469	0.01	5.2	20.0	
Freon114	0.357	0.357	0.01	0.0	20.0	
Dibromofluoromethane	0.303	0.283	0.01	6.6	20.0	
1,2-Dichloroethane-d4	0.062	0.056	0.01	9.7	20.0	
Toluene-d8	1.237	1.096	0.01	11.4	20.0	
Bromofluorobenzene	0.519	0.477	0.01	8.1	20.0	

ATTACHMENT D

SOIL VAPOR SAMPLING RECORDS

AND CHAIN OF CUSTODY FORMS

Summa Canister Sampling Field Data Sheet

Site: BOMAX - WATERTOWN

Samplers: JOHN BOYD URS TOM FESIA DEC

Date: 7/26/06

Sample #	623009-V-105	623009-V-105	623009-V-115	623009-V-095	623009-V-15
Location	BOWMAX	→	→	→	→
Summa Canister ID	3510	3473	1327	1379	1310
Flow Controller ID	5063 2hr	5021	5015	5040	5085
Additional Tubing Added	YES - How much 3B / (NO)	NO / YES - How much	NO / YES - How much 1	NO / YES - How much	NO / YES - How much
Purge Time (Start)	1054	1426	~~X~~ 1457	1525	1806
Purge Time (Stop)	1100	1432	1502	1530	1811
Total Purge Time (min)	6 MIN	6 MIN	5 MIN	5 MIN	5 MIN
Purge Volume	1 LITER	1 LITER	1 LITER	1 LITER	1 LITER
PID Test of Purge Air	0.0	194.	208	73	470
Initial Tracer Gas Results	3050 PPM (0.3%)	0.0 (98.6)	0.0 (97.6)	0.0 (97.8)	0.0
Pressure Gauge - before sampling	-30	-28	-25	~~-5~~ -30+	-26
Sample Time (Start)	1100	1433	1508	1530	1814
Sample Time (Stop)	~~1545~~ 1625	1557	1645	1730	1954
Total Sample Time (min)	325 MIN	84 MIN	97 MIN	2 HR.	100 MIN
Pressure Gauge - after sampling	-30	-4	-4	-4	-3
Sample Volume	~~6 LITER~~	6 LITER	6 LITER	6 LITER	6 LITER
Canister Pressure Went To Ambient Pressure?	YES / (NO)	YES / (NO)	YES / (NO)	YES / (NO)	YES / (NO)
Final Tracer Gas Results	~~0.0~~ NA	0.0 PPM	12000 PPM	0 PPM	2850 PPM
Associated Ambient Air Sample Number	NA	NA	NA	NA	NA
General Comments: NOTES	Time Helium% 1543 47.8 (16) 1550 (6) DID NOT Analyze	1547 71.5 (8) off at 1552	1552 76.4 (27) 1612 83.1 (12) 1627 76.2 (8)	1617 76.7 (21) 1704 64.3 (10)	1900 61.2 (-13) 1938 76.5 (-7)

Boyd\Excel\Summa Canister Field Sheet.xls

Summa Canister Sampling Field Data Sheet

Site: BOMAX
Samplers: John Boyd VRS TOM FESTA NYSDEC
Date: 7/27/06

Sample #	623009-V-65	623009 ~~V-55~~ V-75	20060727-FD1	623009-V-55	623009-V-85
Location	BOWMAX	→ 1374	→	→	→
Summa Canister ID	3373	~~1365~~	1368	1365	1386
Flow Controller ID	5042	~~5068~~ 5047	5054	5060	5069
Additional Tubing Added	(NO) YES - How much	NO (YES) - How much 3'	NO YES (-) How much 3'	(NO) YES - How much	(NO) YES - How much
Purge Time (Start)	0845	0918	0918	1002	1154
Purge Time (Stop)	0850	0923	0923	1008	1159
Total Purge Time (min)	5 MIN	5 MIN	5 MIN	6 MIN	5 MIN
Purge Volume	1 LITER	1 LITER	1 LITER	1 LITER	1 LITER
PID Test of Purge Air	0 PPM	0 PPM	0 PPM	0 PPM	0 PPM
Initial Tracer Gas Results	6%	500 PPM	500 PPM		0 PPM
Pressure Gauge - before sampling	-30	-30	-27	-22.5	-29.5
Sample Time (Start)	0902	0945	0945	1009	1202
Sample Time (Stop)	1040	1119	1119	1132	1214
Total Sample Time (min)	98 MIN	94 MIN	94 MIN	83 MIN	12 MIN
Pressure Gauge - after sampling	-3.5	-10	-2	-2	-1
Sample Volume	6 LITER	6 LITER	6 LITER	6 LITER	6 LITER
Canister Pressure Went To Ambient Pressure?	YES (NO)	YES / (NO)	YES / (NO)	YES (NO)	YES / (NO)
Final Tracer Gas Results	7.7	500 PPM	500 PPM	1700 PPM	0 PPM
Associated Ambient Air Sample Number	NA TIME Helium% VAC	NA TIME Helium VAC	NA	NA TIME Helium VAC	NA
General Comments:	1011 62.9 -10	1016 53.4 (14) 1054 55.0 (7)	Dup of 623009-V-75 17 15	1020 61.3 (20) 1109 40 (8)	

Summa Canister Sampling Field Data Sheet

Site: BOWMAX
Samplers: JOHN BOYD URS, TOM FEITA NYSDEC
Date: 7/26/06

Sample #	623009-V-25	623009-V-45			
Location	BOWMAX	BOWMAX			
Summa Canister ID	1809	4405			
Flow Controller ID	40	5071			
Additional Tubing Added	(NO/) YES - How much	(NO/) YES - How much	NO/ YES - How much	NO/ YES - How much	NO/ YES - How much
Purge Time (Start)	1825	1845			
Purge Time (Stop)	1830	1850			
Total Purge Time (min)	5 MIN	5 MIN			
Purge Volume	1 LITER	1 LITER			
PID Test of Purge Air	793	250			
Initial Tracer Gas Results	0 PPM.	0 PPM			
Pressure Gauge - before sampling	-30" (-5)	-30			
Sample Time (Start)	1832	1854			
Sample Time (Stop)	1946	1906			
Total Sample Time (min)	74 MIN	12 MIN			
Pressure Gauge - after sampling	-6	-3			
Sample Volume	6 LITER	6 LITER			
Canister Pressure Went To Ambient Pressure?	YES / (NO)	YES / (NO)	YES / NO	YES / NO	YES / NO
Final Tracer Gas Results	8400 PPM	0 PPM.			
Associated Ambient Air Sample Number	NA TIME, Helium. VAC.	NA TIME Helium %			
General Comments:	1902 59.1 (-20) 793 1942 67.8 -6	1905 70.4			

CHAIN OF CUSTODY RECORD

URS

PROJECT NO. 11174772.00002

SITE NAME: BOWMAX

SAMPLERS (PRINT/SIGNATURE): John Boyd

DELIVERY SERVICE: Fed Ex AIRBILL NO.:

LAB: Con-Test

COOLER: 3 Boxes of

PAGE: 1 of 1

TESTS: 10-5

BOTTLE TYPE AND PRESERVATIVE: 6 Liter Summas

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS		REMARKS (Canister N° / Reg. N°)	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO. # (ERPIMS)
	7/26/06	1433	2hr AR	623009-V-10S	GS	1	✓	3433 / 7432	N.	-	-	-
		1508		623009-V-1S	GS	1	✓	1327 / 5015	N	-	-	-
		~~1530~~		~~623009-V-09S~~				~~1379~~				
		1530		623009-V-9S	GS	1	✓	1379 / 5040	N.	-	-	-
		1811		623009-V-1S	GS	1	✓	1310 / 5085	N.	-	-	-
		1832		623009-V-2S	GS	1	✓	1809 / 40	N.	-	-	-
	↓	1854		623009-V-4S	GS	1	✓	4405 / 5071	N.	-	-	-
	7/27/06	0902		623009-V-6S	GS	1	✓	3373 / 5042	N.	-	-	-
		0945		623009-V-7S	GS	1	✓	1374 / 5047	N.	-	-	-
		1009		623009-V-5S	GS	1	✓	1365 / 5060	N.	-	-	-
		1202		623009-V-8S	GS	1	✓	1386 / 5069	N.	-	-	-
	↓	-	↓	20060727-FD-1	GS	1	✓	1368 / 5054	FR.	-	-	-

MATRIX CODES

AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES

TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
John Boyd	7/27/06	1420			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Sample NO's 623009-V-4S AND 623009-V-8S Went to Ambient (Almost) in 12 Minutes Each! Appear to be faulty regulators (All fittings Tight) Please Analyze these Samples. We will call to discuss. John Boyd - URS

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CalCR/GCM

ATTACHMENT E

GROUNDWATER SAMPLING RECORDS

AND CHAIN OF CUSTODY FORMS

GRAB GROUNDWATER SAMPLING LOG

Project: BOMAX - NYSDEC Site: BOMAX WATER TOWN, NY I.D.: 623009 GW-1

Date: 7/25/06 Sampling Personnel: JOHN BOYD Company: URS Corporation

Purging/Sampling Device: GEO PUMP Tubing Type: 3/8" POLYETHYLENE Pump/Tubing Inlet Location: 4'

Measuring Point: GRADE Initial Depth to Water: 3.8' Depth to ~~Well~~ Bottom: 4' Boring Diameter: 3" Screen Length: NONE

Casing Type: NONE Volume in 1 Well Casing (liters): NA Estimated Purge Volume (liters): NA

Sample ID: 623009-GW-1 Sample Time: JB 1000 1150 QA/QC: —

Sample Parameters: 8260 B

Remarks:

GRAB SAMPLE FROM OPEN-HOLE GEOPROBE BORING. SAMPLE PUMPED BY GEO PUMP (PERISTALTIC PUMP) & SAMPLED FOR VOCS VIA 8260 B. SAMPLE PLACED IN 2 40ML VIES AND SENT TO MITKEM LABORATORIES IN WARWICK, RI

GRAB GROUNDWATER SAMPLING LOG

623009-GW-2

Project: BOMAX - NYSDEC Site: BOMAX WATERTOWN, NY I.D.:

Date: 7/25/06 Sampling Personnel: JOHN BOYD Company: URS Corporation

Purging/ Sampling Device: GEOPUMP Tubing Type: 3/8" POLYETHYLENE Pump/Tubing Inlet Location: 5.5'

Measuring Point: GRADE Initial Depth to Water: 4.1' Depth to ~~Well~~ Boring Bottom: 5.5 Boring Diameter: 3" Screen Length: NONE

Casing Type: NONE Volume in 1 Well Casing (liters): NA Estimated Purge Volume (liters): NA

Sample ID: 623009-GW-2 Sample Time: 1000 QA/QC: MS/MSD

Sample Parameters: 8260 B

Remarks:

GRAB SAMPLE FROM OPEN-HOLE GEOPROBE BORING. SAMPLE PUMPED BY GEOPUMP (PERISTALTIC PUMP) & SAMPLED FOR VOCS VIA 8260 B. SAMPLE PLACED IN 2 40 ML VIALS AND SENT TO MITKEM LABORATORIES IN WARWICK, RI

GRAB GROUNDWATER SAMPLING LOG

Project: BOMAX - NYSDEC Site: BOMAX WATER TOWN, NY I.D.: 623009-GW-5

Date: 7/25/06 Sampling Personnel: JOHN BOYD Company: URS Corporation

Purging/Sampling Device: GEO PUMP Tubing Type: 3/8" POLYETHYLENE Pump/Tubing Inlet Location: 3.5

Measuring Point: GRADE Initial Depth to Water: 3.2 Depth to ~~Well~~ Boring Bottom: 3.6 Boring Diameter: 3" Screen Length: NONE

Casing Type: NONE Volume in 1 Well Casing (liters): NA Estimated Purge Volume (liters): NA

Sample ID: 623009-GW-5 Sample Time: 1545 QA/QC: —

Sample Parameters: 8260 B

Remarks:

GRAB SAMPLE FROM OPEN-HOLE GEOPROBE BORING. SAMPLE PUMPED BY GEO PUMP (PERISTALTIC PUMP) & SAMPLED FOR VOCS VIA 8260 B. SAMPLE PLACED IN 2 40ML VIALS AND SENT TO MITKEM LABORATORIES IN WARWICK, RI

GRAB GROUNDWATER SAMPLING LOG

Project: BOMAX - NYSDEC Site: BOMAX WATER TOWN, NY I.D.: 623009-GW-7

Date: 7/25/06 Sampling Personnel: John Boyd Company: URS Corporation

Purging/Sampling Device: Geo Pump Tubing Type: 3/8" polyethylene Pump/Tubing Inlet Location: 3.3'

Measuring Point: grade Initial Depth to Water: 3.1 Depth to ~~Well~~ Bottom: 3.3 Boring Diameter: 3" Screen Length: none

Casing Type: none Volume in 1 Well Casing (liters): NA Estimated Purge Volume (liters): NA

Sample ID: 623009-GW- Sample Time: 1650 QA/QC: —

Sample Parameters: 8260 B

Remarks:

GRAB SAMPLE from open-hole geoprobe boring. Sample pumped by Geo pump (peristaltic pump) & sampled for VOCs via 8260 B. Sample placed in 2 40 mL vials and sent to Mitkem Laboratories in Warwick, RI

CHAIN OF CUSTODY RECORD

URS

PROJECT NO.

SITE NAME: BOWMAX - WATERTOWN

SAMPLERS (PRINT/SIGNATURE): JOHN BOYD

DELIVERY SERVICE: FedEx AIRBILL NO.:

LAB: ~~Mitk~~ MITKEM

COOLER 1 of 1

PAGE 1 of 1

TESTS: 8260 B

BOTTLE TYPE AND PRESERVATIVE: 40 ML

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (ERPIMS)
	7/25/06	1000	GRAB	623009-GW-2	WG	2		N	—	—	—
		1000		623009-GW-2 MS	WG	2		MS	—	—	—
		1000		623-009-GW-2 MSD	WG	2		MSD	—	—	—
		1150		623009-GW-1	WG	2		N	—	—	—
		1545		623009-GW-5	WG	2		N	—	—	—
		1650		623009-GW-7	WG	2		N	—	—	—
	↓	—		Trip Blank	~~—~~	2		TB	—	—	—

MATRIX CODES: AA - AMBIENT AIR; SE - SEDIMENT; SH - HAZARDOUS SOLID WASTE; SL - SLUDGE; WP - DRINKING WATER; WW - WASTE WATER; WG - GROUND WATER; SO - SOIL; DC - DRILL CUTTINGS; WL - LEACHATE; GS - SOIL GAS; WC - DRILLING WATER; WO - OCEAN WATER; WS - SURFACE WATER; WQ - WATER FIELD QC; LH - HAZARDOUS LIQUID WASTE; LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES: TB# - TRIP BLANK; SD# - MATRIX SPIKE DUPLICATE; RB# - RINSE BLANK; FR# - FIELD REPLICATE; N# - NORMAL ENVIRONMENTAL SAMPLE; MS# - MATRIX SPIKE; (# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
7/25/06	~~7/25~~	1830			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Contact Ann Marie Kropovitch at 716 856 5636 if questions.

Distribution: Original accompanies shipment, copy to coordinator field files

URSF-075C/1 OF 1/CofCR/GCM

Appendix B
Boring Logs

BORING LOG

WELL NO. MW12-01

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001
GROUND ELEV. 463.95
DATUM Ground Surface
DATE STARTED 11/8/2012
DATE FINISHED 11/15/2012

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Dave Lyons
PURPOSE: Remedial Investigation
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	3"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	NA-NA-NA-NA (NA)	2.0'/ 0.5'	Loose, moist to wet, dark yellowish brown (10YR 4/2); mf subangular GRAVEL with mf sand matrix; large 6in. cobble lodged in spoon nose.		FILL	FILL	0.2	
					461.4 2.6					
4		SS-2	NA-NA-NA-NA (NA)	2.0'/ 1.6'	Very dense, moist, grayish brown (5YR 3/2) to medium dark gray (N4) mottled; CLAY, some silt, cohesive.		CL	S & C	0.0	Analytical sample taken from 2-4 ft bgs, Field duplicate (SB12-FD03) taken
					460.0 4.0					
6		SS-3	NA-NA-NA-NA (NA)	2.0'/ 1.5'	Medium dense, moist to dry, moderate yellowish brown (10YR 5/4); SILT, little f sand and f subangular gravel, trace clay; large 3in. cobble in top 0.3ft.		ML	S & G	0.2	
		SS-4	NA-NA-NA-NA (NA)	0.4'/ 0.4'	457.5 6.5				0.0	
8					No samples taken. Advance rollerbit for rock socket to install protective casing.					
					455.0 9.0					
10		RC-1	NA-NA-NA-NA (NA)	2.3'/ 2.2'	LIMESTONE; banded light gray (N7) and medium dark gray (N4), very fine grained, sugary texture, horizontal bedding; horizontal mechanical fractures at 9.15, 9.2, 9.61, 10.05, 10.18, 10.42, 10.68, 10.84; trace shells from 10.13-10.18; rip up clasts 10.68-10.82; 0 ppm.					Penetration Rate: 8.7 min/ft; Core recovery: 2.2 ft.; RQD: 50.9%
					452.7 11.3					
12		RC-2	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; light gray (N7) to dark gray (N3); very fine grained, sugary texture, horizontal bedding; shelly zones 11.3-12.88 with rip up clasts, 13.82-14.03 with dark gray (N3) shaley bedding; sinusoidal bedding dark gray (N3) shaley bedding at 14.2-14.4; worm burrows 15.9-16.0; horizontal mechanical fractures at 11.41, 11.68, 11.95, 12.18, 12.30, 12.92, 13.96, 14.0, 14.58, 14.75, 15.13, 15.18, 15.56, 15.68; fractures predominately in dark gray (N3) shaley beds.					Penetration Rate: 6.0 min/ft; Core recovery: 5.0 ft.; RQD: 66.8%
14										
16					447.7 16.3					
18		RC-3	NA-NA-NA-NA (NA)	5.0'/ 4.9'	LIMESTONE; medium light gray (N6) with prominent medium dark gray (N4) banding; very fine grained, sugary texture, horizontal bedding; fossiliferous with worm burrows and bivalves; vug at 18.78; horizontal fractures at 16.35, 16.52, 17.88, 20.16, 20.36, 20.58, 20.76, 27.0; shattered 16.58-16.70 (mechanical fracturing); subangular fractures along shelly zones at 18.8-19.0, 19.82.			LIMESTONE		Penetration Rate: 4.6 min/ft; Core recovery: 4.9 ft.; RQD: 64.2%
20										
					442.7 21.3					
22		RC-4	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; medium light gray (N6) with prominent medium dark gray (N4) banding with shaley texture; sugary texture, very fine grained; fossiliferous shaley zones with some rip-up clasts; horizontal mechanical fractures at 23.14, 24.0, 24.87, 25.52, 26.08, 26.21; fractures primarily located in shaley beds.					Penetration Rate: 3.2 min/ft; Core recovery: 5.0 ft.; RQD: 94.2%
24										
26					437.7 26.3					
28		RC-5	NA-NA-NA-NA (NA)	3.8'/ 3.9'	LIMESTONE; medium light gray (N6) with prominent medium dark gray (N4) shale banding; sugary texture, very fine grained, thin horizontal bedding; styolites at 26.88 - 27.0; shelly at 28.21-28.26; horizontal mechanical fractures at 26.90, 27.08, 27.50, 28.05, 28.18, 29.0, 29.90.					Penetration Rate: 5.0 min/ft; Core recovery: 3.9 ft.; RQD: 85.3%
30					433.9 30.1					
32					Refusal at 6.5'. End of Borehole at 30.1'.					

Notes: Soil sample location: SB12-42; Open rock well

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **MW12-02**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Dave Lyons
PURPOSE: Remedial Investigation
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	3"	---	---

GROUND ELEV. 465.23
DATUM Ground Surface
DATE STARTED 11/9/2012
DATE FINISHED 11/16/2012

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	5-8-11-13 (19)	2.0'/ 1.8'	Dense, moist, moderate brown (5YR 4/4); SILT, some clay, trace mf gravel, stiff.		ML	S & C	0.0	Analytical sample taken from 1-2 ft bgs
		SS-2	9-50/0.4 (>50)	0.9'/ 0.8'	462.7 2.5 462.3 Crushed LIMESTONE. 2.9				0.0	
4					No samples taken. Advance rollerbit for rock socket to install protective casing.					
6					459.2 6.0					
8		RC-1	NA-NA-NA-NA (NA)	5.0'/ 4.8'	LIMESTONE; light gray (N7) with some medium dark gray (N4) shaley banding, very fine grained, sugary texture, thin horizontal bedding; horizontal mechanical fractures at 6.38, 6.70, 6.75, 6.89, 7.0, 7.1, 7.2, 7.58, 7.65, 7.7, 7.75, 7.95, 8.36, 8.8, 8.86, 8.9, 9.2, 9.41, 9.56, 9.75, 10.0, 10.28, 10.38; inclined fracture at 8.58, 10.50; vertical fracture at 8.9-9.2.					Penetration Rate: 3.6 min/ft; Core recovery: 4.8 ft.; RQD: 20.0%
10					454.2 11.0					
12		RC-2	NA-NA-NA-NA (NA)	5.0'/ 4.1'	LIMESTONE; light gray (N7) with some medium dark gray (N4) shaley banding, very fine grained, sugary texture, thin horizontal bedding; horizontal fractures at 11.35, 11.53, 11.72, 11.94, 11.96, 12.28; shattered 12.28-16.0; highly weathered silt and clay seam at 15.8-16.0; dissolution fracture at 11.41.					Penetration Rate: 4.4 min/ft; Core recovery: 4.1 ft.; RQD: 6.8%
14										
16					449.2 16.0					
18		RC-3	NA-NA-NA-NA (NA)	5.0'/ 3.7'	LIMESTONE; light gray (N7) with some medium dark gray (N4) shaley bandings; very fine grained, thin horizontal beds; horizontal fractures at 16.45, 16.56, 17.68, 17.9, 18.51, 18.63, 18.68, 19.08, 19.27, 19.44, 19.53, 19.62; shattered 16-16.45, 16.56-17.68, 19.62-21.0; vertical fracture 17.42-17.68, 18.0-18.2, 18.51-18.63; some iron staining at 19.62.					Penetration Rate: 4.0 min/ft; Core recovery: 3.7 ft.; RQD: 8.0%
20					444.2 21.0					
22		RC-4	NA-NA-NA-NA (NA)	5.0'/ 4.2'	LIMESTONE; light gray (N7) with some medium dark gray (N4) shaley bandings, very fine grained, thin horizontal beds; horizontal fractures at 21.7, 21.95, 22.90, 23.60, 24.15, 25.45; shattered 21.0-21.7; iron staining at 21.95; more competent with less shaley zones 22.9-26.0.					Penetration Rate: 4.4 min/ft; Core recovery: 4.2 ft.; RQD: 64.0%
24										
26					439.2 26.0					
28		RC-5	NA-NA-NA-NA (NA)	4.0'/ 4.1'	LIMESTONE; very light gray (N7) with some medium dark gray (N4) shale banding, most prominent from 26.9-27.2 and 28.4-29.3; very fine grained, thin horizontal bedding, sugary texture; horizontal fractures at 26.38, 26.44, 26.60, 27.2, 28.08, 29.68.					Penetration Rate: 7.75 min/ft; Core recovery: 4.1 ft.; RQD: 87.5%
30					435.2 30.0					

Refusal at 2.9'.
End of Borehole at 30.0'.

Notes: Well Construction details: 0.010 2in. slot screen (5-30 ft bgs); 2in. Riser (+2-5 ft bgs); #1 Sand filter pack (5-30 ft bgs); Bentonite seal (3-5 ft bgs); #1 Sand (+1-3 ft bgs). Soil Sample location: SB12-43

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **MW12-03**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Dave Lyons
PURPOSE: Remedial Investigation
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

GROUND ELEV. 463.78
DATUM Ground Surface
DATE STARTED 11/12/2012
DATE FINISHED 11/19/2012

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	3"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	2-4-6-7 (10)	2.0'/ 1.2'	Medium dense, moist, moderate brown (5YR 4/4); SILT, some f sand, trace clay, little organics in top 0.3ft. 461.8 2.0		ML	S & C	NA	
4		SS-2	5-9-54-50/0.2 (63)	1.7'/ 1.1'	Medium dense, moist, moderate brown (5YR 4/4) to light brown (5YR 5/6); SILT, some f sand, trace clay, granitic gneiss cobble crushed in last 0.2in. 460.1 3.7		ML		NA	Analytical sample taken from 2-3.5 ft bgs
6					No samples taken. Advance rollerbit for rock socket to install protective casing. 457.8 6.0					
8		RC-1	NA-NA-NA-NA (NA)	5.0'/ 4.9'	LIMESTONE; light gray (N7) to brownish gray (5YR 4/1) with some medium dark gray (N4) banding, very fine grained, sugary texture, thin horizontal beds; horizontal fractures at 6.2, 6.45, 6.6, 6.8, 6.88, 6.94, 7.18, 7.37, 7.55, 7.80, 7.98, 8.08, 8.28, 8.5, 8.68, 8.85, 8.97, 9.12, 9.43, 9.54, 9.72, 9.85, 9.98, 10.24, 10.55, 10.68; vertical fractures 6.2-6.45, 7.98-8.08; becoming more fossiliferous 10.7-11.0; soft fracture planes along shale beds. 452.8 11.0			LIMESTONE		Penetration Rate: 4.6 min/ft; Core recovery: 4.9 ft.; RQD: 0.0%
12		RC-2	NA-NA-NA-NA (NA)	5.0'/ 4.7'	LIMESTONE; very light gray (N7) with some medium dark gray (N4) banding; very fine grained, sugary texture, thin horizontal bedding; horizontal fractures at 11.25, 11.43, 11.54, 11.68, 12.09, 12.28, 12.39, 12.87 (weathered), 13.02, 13.24, 13.32, 13.46, 13.66, 14.04, 14.60, 14.85, 14.95; shattered 14.85-14.95 (very soft); some rip-up clasts at 11.82-12.08. 447.8 16.0					Penetration Rate: 4.0 min/ft; Core recovery: 4.7 ft.; RQD: 40%
18		RC-3	NA-NA-NA-NA (NA)	5.0'/ 5.2'	LIMESTONE; very light gray (N7) with some medium dark gray banding (N4); very fine grained, sugary texture, thin horizontal bedding; horizontal fractures at 16.56, 17.13, 17.4, 17.7, 18.04, 18.39, 18.82, 19.24, 19.66, 20.18, 20.37, 20.80; shallow angle fracture at 17.45; shelly with rip-up clasts 16.4-16.6, 18.4-18.55, 18.94-19.32, 19.68-20.39. 442.8 21.0					Penetration Rate: 2.8 min/ft; Core recovery: 5.2 ft.; RQD: 83.8%
24		RC-4	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; very light gray (N7) with some medium dark gray (N4) shaley banding; very fine grained, thin horizontal bedding; horizontal fractures at 21.65, 22.29, 24.0, 24.8, 25.65; vug at 22.91; shelly with rip-up clasts 22.6-22.94, 23.4-23.51. 437.8 26.0					Penetration Rate: 3.0 min/ft; Core recovery: 5.0 ft.; RQD: 100%
30		RC-5	NA-NA-NA-NA (NA)	4.0'/ 4.0'	LIMESTONE; very light gray (N7) with some to little medium dark gray (N4) shaley banding; very fine grained, thin horizontal bedding; horizontal fractures at 26.54, 27.3, 28.75, 28.96, 29.78; shelly with rip-up clasts at 28.2-28.75, 29.17-29.43. 433.8 30.0					Penetration Rate: 2.3 min/ft; Core recovery: 4.0 ft.; RQD: 88.0%

Refusal at 3.7'.
End of Borehole at 30.0'.

Notes: Soil sample location: SB12-44; Open rock well

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **MW12-04**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Dave Lyons
PURPOSE: Remedial Investigation
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

GROUND ELEV. 466.93
DATUM Ground Surface
DATE STARTED 11/12/2012
DATE FINISHED 11/20/2012

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	3"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	2-4-6-6 (10)	2.0'/ 1.3'	Soft, moist, moderate brown (5YR 4/4); SILT, some clay, trace f sand and fm gravel, some organics throughout.		FILL	FILL	0.0	
					464.6 2.3					
		SS-2	13-4-4-9 (8)	2.0'/ 1.5'	464.4 Crushed CONCRETE. 2.5				0.0	Analytical sample taken from 2-4 ft bgs.
4					Dense, moist, moderate brown (5YR 4/4); CLAY, some silt, little fm subrounded gravel, trace 2in. subrounded cobbles.		CL	S & C		
		SS-3	5-50/0.25 (>50)	0.8'/ 0.8'	462.6 4.3				0.0	
					462.2 Dense, moist, grayish brown (5YR 3/2) to dusky brown (5YR 2/2); CLAY, some silt, trace mf subangular limestone chips. 4.8		CL			
6					No samples taken. Advance rollerbit for rock socket to install protective casing.					
					460.4 6.5					
8		RC-1	NA-NA-NA-NA (NA)	5.0'/ 4.8'	LIMESTONE; light gray (N7) with medium dark gray (N4) shaley banding; very fine grained, thin horizontal bedding; horizontal fractures at 6.63, 6.67, 6.70, 6.82, 7.04, 7.28 (clayey), 7.45, 7.65 (clayey), 7.71 (clayey), 7.95, 8.17, 8.57, 8.75, 9.07, 9.11, 9.3, 9.44, 9.76, 9.92, 10.2, 10.25, 10.66, 10.87; vertical fractures 8.75-9.09 and 9.92-10.2; fossiliferous 7.75-7.78, 9.27-9.40, 9.65-9.71, 10.6-10.85; weathered seams in top 2.5 ft of run (choked off return).			LIMESTONE		Penetration Rate: 3.2 min/ft; Core recovery: 4.75 ft.; RQD: 15.8%
10					455.4 11.5					
12		RC-2	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; light gray (N7) with medium dark gray (N4) shaley banding; very fine grained, thin horizontal bedding; horizontal fracture at 11.81, 11.86, 12.39, 12.66, 12.82, 13.11, 13.33, 14.1, 14.3, 14.47, 14.63, 15.21, 15.31, 15.68, 15.72, 16.14 (clayey), 16.30 (clayey); fossiliferous 12.22-13.24, 14.05-14.15, 15.07-15.31, 16.2-16.3.					Penetration Rate: 3.0 min/ft; Core recovery: 5.0 ft.; RQD: 51.4%
14										
16					450.4 16.5					
18		RC-3	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; light gray (N7) with medium dark gray (N4) shaley banding; very fine grained, thin horizontal bedding; horizontal fracture at 17.25, 17.67, 18.22, 18.48, 19.08, 19.18, 19.6, 19.89, 20.12, 20.81, 21.36; angular fracture at 18.07; fossiliferous 19.08-19.18, 19.85-19.89, 20.22-20.29, 20.77-21.03.					Penetration Rate: 2.0 min/ft; Core recovery: 5.0 ft.; RQD: 73.4%
20										
					445.4 21.5					
22		RC-4	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; light gray (N7) with medium dark gray (N4) shaley banding; very fine grained, thin horizontal bedding; horizontal fractures at 21.75, 21.86, 22.37, 22.65, 23.77, 25.1; angular fracture at 25.55; fossiliferous 21.87-21.90, 22.45-22.65.					Penetration Rate: 3.2 min/ft; Core recovery: 5.0 ft.; RQD: 87.2%
24										
26					440.4 26.5					
28		RC-5	NA-NA-NA-NA (NA)	3.5'/ 3.5'	LIMESTONE; light gray (N7) with medium dark gray (N4) shaley banding; very fine grained, thin horizontal bedding; horizontal fractures at 27.25, 28.35, 28.55, 29.65; fossiliferous at 27.35-27.45, 29.05-29.14, 29.35-29.38; styolites 28.71-28.77.					Penetration Rate: 2.9 min/ft; Core recovery: 3.5 ft.; RQD: 83.4%
30					436.9 30.0					

Refusal at 4.8'.
End of Borehole at 30.0'.

Notes: Soil sample location: SB12-45; Open rock well

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **MW12-05**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Dave Lyons
PURPOSE: Remedial Investigation
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

GROUND ELEV. 468.32
DATUM Ground Surface
DATE STARTED 11/13/2012
DATE FINISHED 11/27/2012

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	3"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	2-3-3-5 (6)	2.0'/ 1.5'	467.5 Soft, moist, grayish brown (5YR 3/2); SILT, some f sand and organics. 0.8 466.3 Medium dense, moist, moderate brown (5YR 4/4); SILT, little f sand and clay, trace organics. 2.0		ML	S & C	0.0	
4		SS-2	6-8-10-7 (18)	2.0'/ 1.5'	464.3 Medium dense, moist, dark yellowish orange (10YR 6/6) to moderate yellowish brown (10YR 5/4); fm SAND, little silt, trace organics, some cross bedding. 4.0		SP-SM	S & S	0.0	
6		SS-3	3-3-2-2 (5)	2.0'/ 1.1'	462.3 Medium dense, moist to wet, moderate yellowish brown (10YR 5/4) to dark yellowish brown (10YR 4/2); SILT, some fm sand, little clay, trace fm gravel, subrounded cobbles and c sand. 6.0		ML		0.0	Analytical sample taken from 4-6 ft bgs
8		SS-4	50/0.3 ()	0.3'/ 0.1'	462.0 LIMESTONE 6.3 No samples taken. Advance rollerbit for rock socket to install protective casing. 459.8 8.5			LIMESTONE	0.0	
12		RC-1	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; very light gray (N7) with medium dark gray (N4) shaley banding, thinly bedded; horizontal fractures at 9.01, 9.27, 9.88, 10.25, 10.91, 11.65, 11.76, 12.15, 12.83, 13.28; fossiliferous 8.92-9.45, 9.88-10.07, 10.91-11.58, 12.65-12.97. 454.8 13.5					Penetration Rate: 4.4 min/ft; Core recovery: 5.0 ft.; RQD: 78.4%
16		RC-2	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; very light gray (N7) with medium dark gray (N4) shaley banding, thinly bedded; horizontal fractures at 13.88, 14.0, 14.78, 15.03, 15.39, 15.5, 16.06, 16.12, 16.56, 17.52, 18.06; angular fracture at 17.79; vug at 17.88; fossiliferous 13.89-14.57, 14.7-15.42, 15.5-15.62, 16.0-17.08, 17.5-17.75. 449.8 18.5					Penetration Rate: 5.6 min/ft; Core recovery: 5.0 ft.; RQD: 79.0%
20		RC-3	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; very light gray (N7) with medium dark gray (N4) shaley banding, thinly bedded; horizontal fractures at 18.65, 18.69, 18.83, 18.91, 19.0, 19.1, 19.92, 21.28, 21.52, 21.79, 23.1 (clayey), 23.29; fossiliferous 18.5-19.2, 19.96-20.36, 21.52-21.59, 22.46-22.92. 444.8 23.5					Penetration Rate: 4.8 min/ft; Core recovery: 5.0 ft.; RQD: 70.6%
24		RC-4	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; very light gray (N7) with medium dark gray (N4) shaley banding, thinly bedded; horizontal fractures at 23.95, 24.43, 24.88, 24.97, 25.62, 25.80, 26.17, 27.72; angular fracture at 24.52; fossiliferous at 23.92-24.13, 24.78-25.1, 25.71-25.78, 26.49-26.79, 27.05-27.19, 27.77-28.5. 439.8 28.5					Penetration Rate: 6.6 min/ft; Core recovery: 5.0 ft.; RQD: 89.0%
30		RC-5	NA-NA-NA-NA (NA)	1.5'/ 1.5'	438.3 LIMESTONE; very light gray (N7) with medium dark gray (N4) shaley banding; thinly bedded; horizontal fractures at 28.78, 29.3; fossiliferous at 28.5-28.85; stylolites at 29.4, 29.5, 29.6. 30.0 Refusal at 6.3'. End of Borehole at 30.0'.					Penetration Rate: 4.0 min/ft; Core recovery: 1.5 ft.; RQD: 79.3%

Notes: Soil sample location: SB12-46; Open rock well

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **MW12-06**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Dave Lyons
PURPOSE: Remedial Investigation
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

GROUND ELEV. 465.07
DATUM Ground Surface
DATE STARTED 11/13/2012
DATE FINISHED 11/20/2012

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	3"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
0					464.2 Soft, moist, dark yellowish brown (10YR 4/2); SILT, some f sand, little clay and organics. 0.9		ML	S & S	0.0	
2		SS-1	2-2-5-7 (7)	2.0'/ 1.6'	463.5 Dense, moist, moderate brown (5YR 4/4); SILT, little f sand, trace clay and organics. 1.6		ML			
4		SS-2	8-12-15-18 (27)	2.0'/ 2.0'	Very dense to dense, moist, moderate yellowish brown (10YR 5/4); SILT, trace clay, f sand and organics.		ML	S & C	0.0	Analytical sample taken from 2-4 ft bgs
		SS-3	8-19-50/0.15 ()	1.2'/ 1.2'	460.1 5.0				0.0	
6					459.9 LIMESTONE 5.2 No samples taken. Advance rollerbit for rock socket to install protective casing. 458.1 7.0			LIMESTONE		
8		RC-1	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; light gray (N7) with medium dark gray (N4) shale banding, fine grained, thin horizontal bedding; horizontal fracture at 7.34, 7.67, 7.88, 8.04, 8.14, 8.41, 8.84, 9.33 (clayey), 9.71, 9.94, 10.9, 11.72; vertical fracture at 7.13-7.34; fossiliferous at 7.71-7.75, 9.15-9.33, 11.15-11.42; styolites at 9.8-10.08, 11.78-11.85.					Penetration Rate: 2.2 min/ft; Core recovery: 5.0 ft.; RQD: 57.8%
10										
12					453.1 12.0					
14		RC-2	NA-NA-NA-NA (NA)	5.0'/ 4.9'	LIMESTONE; light gray (N7) with medium dark gray (N4) shale banding, very fine grained, thin horizontal bedding; horizontal fracture at 13.23, 13.27, 13.84, 14.06, 14.6, 14.85, 15.77, 15.83, 15.88, 16.55; fossiliferous at 12.47-12.90, 13.65-13.76, 14.92-15.4, 16.13-16.20.					Penetration Rate: 2.6 min/ft; Core recovery: 4.9 ft.; RQD: 79.8%
16					448.1 17.0					
18		RC-3	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; light gray (N7) with medium dark gray (N4) shale banding, very fine grained, thin horizontal bedding; horizontal fracture at 17.05, 17.4, 18.03, 18.3, 18.95, 18.98, 19.3 (clayey), 19.4 (clayey), 20.71; angular fracture at 17.88, vugs at 19.61, 20.24; fossiliferous 17.58-17.85, 20.14-21.0.					Penetration Rate: 2.8 min/ft; Core recovery: 5.0 ft.; RQD: 77.0%
20										
22					443.1 22.0					
24		RC-4	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; light gray (N7) with medium dark gray (N4) shale banding, very fine grained, thin horizontal bedding; horizontal fracture at 22.75, 23.08, 23.23, 23.48, 24.15, 24.79, 25.75, 26.4; fossiliferous 22.68-22.72, 23.65-24.31, 24.98-25.13, 26.41-27.0.					Penetration Rate: 2.0 min/ft; Core recovery: 5.0 ft.; RQD: 83.6%
26					438.1 27.0					
28		RC-5	NA-NA-NA-NA (NA)	3.0'/ 3.0'	LIMESTONE; light gray (N7) with medium dark gray (N4) shale banding, very fine grained, thin horizontal bedding; horizontal fractures at 27.56, 28.18, 28.61, 29.4, 29.73; fossiliferous 27.2-27.7, 28.31-28.42, 28.68-29.11, 29.83-30.0.					Penetration Rate: 2.0 min/ft; Core recovery: 3.2 ft.; RQD: 100.0%
30					435.1 30.0					

Refusal at 5.2'.
End of Borehole at 30.0'.

Notes: Soil sample location: SB12-47; Open rock well

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

BORING LOG

WELL NO. MW12-07

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Dave Lyons
PURPOSE: Remedial Investigation, Phase II
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

GROUND ELEV.
DATUM Ground Surface
DATE STARTED 10/14/2013
DATE FINISHED 10/16/2013

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	3-4-7-7 (11)	2.0'/ 0.9'	Moderate yellowish brown (10YR 5/4) to pale yellowish brown (10YR 6/2), moist, stiff, SILT, little f sand, trace f gravel, non plastic. 2.0		ML	SILT	0.0	
4		SS-2	6-4-3-3 (7)	2.0'/ 1.2'	Moderate yellowish brown (10YR 5/4), moist, medium, SILT, little f sand, little to trace clay, trace f gravel, dusky yellowish brown (10YR 2/2) with some clay in last 0.1 ft. 4.0		ML		0.0	
		SS-3	50/0.3 ()	0.3'/ 0.3'	Medium gray (N5) crushed LIMESTONE. 4.3				0.0	
6					No samples taken, advance rock socket to 6.6 ft bgs using 6.25 in. roller bit. 6.6					
8										
10		RC-1	NA-NA-NA-NA (NA)	8.9'/ 9.3'	LIMESTONE, medium gray (N5) with frequent dark gray (N3) shaley zones; fine grained; sugary texture; thinly bedded; fossiliferous 11.2-11.8, 12.3-12.8, 13.5-14.0, 14.2-14.4 ft bgs; horizontal mechanical fractures at 6.8, 7.0, 7.05, 7.25, 7.32, 8.08, 8.43, 9.31, 9.77, 10.4, 10.58, 11.12, 11.16, 11.22, 11.73, 12.15, 12.75, 13.4, 14.05, 14.48, 14.86 ft bgs; shattered 8.43-9.31 ft bgs; vertical fractures 7.05-8.31 and 9.77-10.5 ft bgs.					Penetration Rate: 2.7 min/ft; Core recovery: 9.25 ft.; RQD: 75.8%
12										
14										
16					15.5					
18										
20		RC-2	NA-NA-NA-NA (NA)	10.0'/ 8.3'	LIMESTONE, medium gray (N5) with frequent dark gray (N3) shaley zones, fine grained, thinly bedded, sugary texture; fossiliferous 15.8-20.1, 20.4-20.9, 21.05-21.1, 21.41-22.0, 22.98-23.98 ft bgs; horizontal mechanical fracturesat 15.75, 15.8, 15.85, 17.08 (hand break), 17.52, 18.35, 18.58, 19.62, 19.77, 19.84, 20.38, 21.78, 21.94 ft bgs; shattered and weathered with clay 22.35-23.98 ft bgs.			LIMESTONE		Penetration Rate: 3.5 min/ft; Core recovery: 8.3 ft.; RQD: 57%
22										
24										
26					25.5					
28		RC-3	NA-NA-NA-NA (NA)	4.5'/ 4.5'	LIMESTONE, medium gray (N5) with frequent dark gray (N3) shaley zones, fine grained, thinly bedded, sugary texture; fossiliferous 25.8-26.21, 26.45-26.95, 27.15-28.1, 29.05-30.0 ft bgs; horizontal mechanical fracture at 25.88, 26.5, 27.24, 28.64, 29.12, 29.35, 29.8 ft bgs.					Penetration Rate: 5.8 min/ft; Core recovery: 4.5 ft.; RQD: 94%
30					30.0					

Refusal at 4.3'.
End of Borehole at 30.0'.

Notes: Well Construction details: 0.010 2in. slot screen (10-30 ft bgs); 2in. Riser (0.5-10 ft bgs); #1 Sand filter pack (0.8-30 ft bgs).

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **MW12-08**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Dave Lyons
PURPOSE: Remedial Investigation, Phase II
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

GROUND ELEV.
DATUM Ground Surface
DATE STARTED 10/14/2013
DATE FINISHED 10/17/2013

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	2-3-4-6 (7)	2.0'/ 1.0'	Moderate brown (5YR 3/4) to grayish brown (5YR 3/2), moist, stiff, SILT, some f sand, little clay, slightly plastic in top 0.7 ft. 2.0		ML	SILT	0.0	
4		SS-2	7-6-8-50/0.1 (14)	1.6'/ 1.5'	Moderate brown (5YR 3/4) to light brown (5YR 5/6), moist, stiff, SILT and f SAND, little to trace clay, very trace vf gravel. 3.6		ML		0.0	
					No samples taken. Advance rock socket to 5.1 ft bgs using 6.25 in. roller bit. 5.1					
6		RC-1	NA-NA-NA-NA (NA)	10.0'/ 9.9'	LIMESTONE, medium light gray (N6) with some dark gray (N3) shaley beds, fine grained sugary texture, thinly bedded, fossiliferous 6.2-6.4, 7.1-7.2, 7.61-8.52, 8.99-10.28, 12.08-15.1; horizontal fractures at 6.03, 6.35, 6.71, 6.92, 7.20, 7.60, 8.08, 8.45, 8.67, 8.98, 9.17, 9.56, 9.72, 9.88, 10.29, 10.32, 10.70, 10.96, 11.12, 11.36, 11.52, 12.01, 12.42, 12.66, 13.11, 13.13, 13.48, 13.68, 13.90, 14.31, 14.57, 14.85, 15.0, 15.1 ft bgs; low angle fracture at 10.52, 14.16 ft bgs; vertical fracture at 6.0-7.2, 10.95-11.1 ft bgs; shattered 5.1-6.0 ft bgs. 15.1			LIMESTONE		Penetration Rate: 3.0 min/ft; Core recovery: 9.85 ft.; RQD: 27.8%
16		RC-2	NA-NA-NA-NA (NA)	10.0'/ 10.0'	LIMESTONE, medium light gray (N6) with some dark gray (N3) shaley beds, fine grained, thinly bedded, sugary texture; fossiliferous 15.1-15.15, 16.85-17.38, 18.26-18.68, 19.54-22.18, 23.38-23.87, 24.33-24.49 ft bgs; horizontal fractures at 15.55, 15.78, 15.95, 16.16, 16.84, 17.32, 17.61, 17.98, 18.27, 18.84, 19.33, 19.70, 20.04, 20.36, 20.99, 21.42, 21.83, 22.51, 23.57, 24.08, 25.1 ft bgs. 25.1					Penetration Rate: 2.1 min/ft; Core recovery: 10.0 ft.; RQD: 78.5%
26		RC-3	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE, medium light gray (N6) with some dark gray (N3) shaley beds, fine grained, thinly bedded, sugary texture; fossiliferous 26.5-27.18, 27.42-29.11, 29.38-29.87; horizontal fractures at 26.51, 27.37, 28.75 ft bgs. 30.1					Penetration Rate: 2.4 min/ft; Core recovery: 5 ft.; RQD: 100%

Refusal at 3.6'.
End of Borehole at 30.0'.

Notes: Open rock well

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **MW12-09**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Dave Lyons
PURPOSE: Remedial Investigation, Phase II
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

GROUND ELEV.
DATUM Ground Surface
DATE STARTED 10/15/2013
DATE FINISHED 10/17/2013

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	1-1-2-4 (3)	2.0'/ 1.4'	Dark yellowish brown (10YR 4/2), moist, soft, SILT, little f sand, trace clay, v slightly cohesive.		ML	SILT	0.0	
		SS-2	3-8-12-44 (20)	2.0'/ 1.5'					0.0	
					3.2					
4					Medium gray (N5) LIMESTONE fragments.					
					4.0					
6					No samples taken, advance rock socket to 5.2 ft bgs using 6.25 roller bit. Advance roller bit to 6.0 ft bgs prior to starting coring due to poor rock quality.					
					6.0					
8		RC-1	NA-NA-NA-NA (NA)	9.7'/ 9.7'	LIMESTONE, medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous 6.0-6.2, 6.48-6.67, 6.8-6.92, 7.11-7.45, 8.65-9.52, 9.7-9.98, 10.43-11.09, 11.78-12.21, 12.87-13.48, 13.91-15.16; horizontal fractures at 6.21, 6.60, 6.81, 6.92, 7.12, 7.36, 7.68, 7.90, 8.01, 8.1, 8.67, 8.94, 9.06, 9.48, 9.7, 9.98, 10.2, 10.46, 10.71, 11.01, 11.15, 11.26, 11.58, 11.76, 12.01, 12.35, 12.6, 12.85, 13.35, 13.48, 13.91, 13.98, 14.64, 15.35, 15.7.			LIMESTONE		Penetration Rate: 2.2 min/ft; Core recovery: 9.7 ft.; RQD: 39.9%
10										
12										
14										
					15.7					
16		RC-2	NA-NA-NA-NA (NA)	10.0'/ 9.8'	LIMESTONE, medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous 16.0-16.15, 18.22-19.42, 19.73-20.38, 21.13-22.68, 23.04-23.18, 23.75-25.7 ft bgs; horizontal fractures at 16.1, 16.56, 16.82, 17.45, 18.90, 19.45, 21.62, 22.75, 23.75, 25.7 ft bgs; high angle fracture at 20.38 ft bgs; shattered 16.82-17.1 ft bgs.					Penetration Rate: 2.7 min/ft; Core recovery: 9.8 ft.; RQD: 91.8%
18										
20										
22										
24										
					25.7					
26		RC-3	NA-NA-NA-NA (NA)	4.3'/ 4.3'	LIMESTONE, medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous 26.2-26.5, 27.1-28.3, 28.78-28.95, 29.18-29.4 ft bgs; horizontal fractures at 26.2, 27.1, 27.75, 27.99, 28.78, 29.66 ft bgs.					Penetration Rate: 2.3 min/ft; Core recovery: 4.3 ft.; RQD: 99.3%
28										
30										
					30.0					

Refusal at 3.2'.
End of Borehole at 3.2'.

Notes: Open rock well

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **MW12-10**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Dave Lyons
PURPOSE: Remedial Investigation, Phase II
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

GROUND ELEV.
DATUM Ground Surface
DATE STARTED 10/15/2013
DATE FINISHED 10/21/2013

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	2-3-4-6 (7)	2.0'/ 1.0'	Grayish brown (5YR 3/2) to moderate yellowish brown (10YR 5/4), moist, medium, SILT, little sand, trace silt, very trace f gravel. 2.0		ML	SILT	0.0	
4		SS-2	3-4-5-8 (9)	2.0'/ 1.0'	Grayish brown (5YR 3/2) to moderate yellowish brown (10YR 5/4), moist, medium, SILT, some f sand, trace clay, little to trace fmc gravel. 4.0		ML		0.0	
6		SS-3	8-10-12-17 (22)	2.0'/ 1.0'	Medium gray (N5) LIMESTONE chips.				0.0	
8		SS-4	2-3-3-8 (6)	2.0'/ 1.0'	8.0				0.0	
10					No samples taken advance rock socket to 10 ft bgs using 6.25 in. roller bit. Auger refusal at 8.2 ft bgs. 10.0					
14		RC-1	NA-NA-NA-NA (NA)	8.3'/ 7.6'	LIMESTONE, medium light gray (N6) with dark gray (N3) shaley bedding, fine grained, sugary texture, thinly bedded; fossiliferous at 10.93-11.1, 11.75-12.08, 12.77-13.28, 13.78-14.24, 14.5-15.42, 16.24-16.45 ft bgs; horizontal fractures at 10.1, 10.35, 10.63, 10.82, 11.02, 11.13, 11.42, 11.84, 12.25, 12.64, 12.69, 13.45, 13.87 (soft), 14.55, 14.82, 15.12, 15.4, 15.73, 16.27, 16.36, 16.62, 16.82, 18.3 ft bgs; shattered 10.0-10.1. 18.3			LIMESTONE		Penetration Rate: 2.8 min/ft; Core recovery: 7.6 ft.; RQD: 55.7%
22		RC-2	NA-NA-NA-NA (NA)	7.7'/ 7.7'	LIMESTONE, medium light gray (N6) with dark gray (N3) shaley bedding, fine grained, sugary texture, thinly bedded; fossiliferous at 18.3-18.45, 18.87-18.93, 20.66-21.31, 21.7-22.3, 22.48-22.68, 23.01-23.18, 23.81-23.92, 24.75-25.18, 25.35-25.75 ft bgs; horizontal fractures at 19.48, 19.78, 21.15, 21.55, 21.68, 22.1, 22.15, 22.84, 23.13, 23.78, 24.75, 25.71 ft bgs; low angle fracture at 20.56 ft bgs. 26.0					Penetration Rate: 2.9 min/ft; Core recovery: 7.7 ft.; RQD: 90.3%
28		RC-3	NA-NA-NA-NA (NA)	4.0'/ 4.0'	LIMESTONE, medium light gray (N6) with dark gray (N3) shaley bedding, fine grained, sugary texture, thinly bedded, fossiliferous at 26.12-26.32, 27.98-30.0; horizontal fractures at 27.47, 28.88, 29.55 ft bgs. 30.0					Penetration Rate: 3.25 min/ft; Core recovery: 4.0 ft.; RQD: 100%

Refusal at 8.2'.
End of Borehole at 30.0'.

Notes: Open rock well

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **MW12-11**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Dave Lyons
PURPOSE: Remedial Investigation, Phase II
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

GROUND ELEV.
DATUM Ground Surface
DATE STARTED 10/15/2013
DATE FINISHED 10/21/2013

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	3-6-7-7 (13)	2.0'/ 1.1'	Dark yellowish brown (10YR 4/2) to moderate yellowish brown (10YR 5/4), moist, stiff, SILT, little f sand, little f gravel, trace large gravel. 2.0		ML	SILT	0.0	
		SS-2	10-50/0.3-NA-NA (>50)	0.8'/ 0.5'	Medium gray (N5) LIMESTONE rock chips. 2.3				0.0	
4					No samples taken advance rock socket to 5.5 ft bgs using 6.25 in. roller bit. 5.5					
6		RC-1	NA-NA-NA-NA (NA)	5.9'/ 4.0'	LIMESTONE, medium light gray (N6) with dark gray (N3) shaley bedding, fine grained, sugary texture, thinly bedded, fossiliferous 8.3-9.3; horizontal fractures at 5.7, 6.03, 6.11, 6.24, 6.44, 6.62, 6.84, 8.08, 8.27, 9.3 ft bgs; vertical fracture 7.03-7.34, 8.78-11.4; shattered 7.34-8.08, 8.61-8.78; very soft (weathered) on all fracture planes. 11.4			LIMESTONE		Penetration Rate: 4.06 min/ft; Core recovery: 4 ft.; RQD: 16.25%
12		RC-2	NA-NA-NA-NA (NA)	7.1'/ 5.2'	LIMESTONE, medium light gray (N6) with dark gray (N3) shaley bedding, fine grained, sugary texture, thinly bedded, fossiliferous 12.01-12.78, 13.18-13.77, 15.1-15.65 ft bgs; horizontal fractures at 11.68, 12.01, 12.37, 12.72, 13.28, 13.4, 13.49, 13.74, 13.9, 14.11, 14.17, 14.25, 14.8, 15.15, 15.65 ft bgs; shattered 15.65-18.5 ft bgs; low angle fracture at 11.6, 15.3 ft bgs; vertical fracture with iron staining 13.49-13.74 ft bgs, 18.5					Penetration Rate: 2.96 min/ft; Core recovery: 5.2 ft.; RQD: 23.4%
20		RC-3	NA-NA-NA-NA (NA)	7.8'/ 7.8'	LIMESTONE, medium light gray (N6) with dark gray (N3) shaley bedding, fine grained, sugary texture, thinly bedded, fossiliferous at 18.5-18.8, 19.12-19.18, 19.75-20.03, 20.25-20.35, 20.55-20.62, 20.93-21.02, 22.55-23.75, 24.67-25.77 ft bgs; horizontal fractures at 18.82, 18.93, 19.29, 20.03, 20.51, 22.56, 23.21, 24.1, 25.44 ft bgs; vertical fractures at 24.11-25.41 ft bgs; calcite precipitation on vertical fracture from 24.74-25.41 ft bgs. 26.3					Penetration Rate: 3.33 min/ft; Core recovery: 7.8 ft.; RQD: 89.7%
28		RC-4	NA-NA-NA-NA (NA)	3.7'/ 3.7'	LIMESTONE, medium light gray (N6) with dark gray shaley bedding, fine grained, sugary texture, thinly bedded, fossiliferous 26.68-27.58, 28.09-28.78, 29.21-30.0 ft bgs; horizontal fractures at 27.43, 28.09, 29.21, 29.78 ft bgs; vertical fracture with healed calcite from 27.43-28.09 ft bgs; broken vertical fracture with calcium precipitate on fracture planes 28.09-28.76 ft bgs. 30.0					Penetration Rate: 2.97 min/ft; Core recovery: 3.7 ft.; RQD: 85.9%

Refusal at 2.8'.
End of Borehole at 30.0'.

Notes: Well Construction details: 0.010 2in. slot screen (0.5-30 ft bgs); #1 Sand filter pack (0.8-30 ft bgs).

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **MW12-12**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Dave Lyons
PURPOSE: Remedial Investigation, Phase II
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

GROUND ELEV.
DATUM Ground Surface
DATE STARTED 10/16/2013
DATE FINISHED 10/18/2013

	SAMPLE	CORE	CASING
TYPE	RC	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2					No samples taken, advance hollow stem augers to refusal at top of bedrock at 5 ft bgs.		FILL	FILL		
4										
					5.0					
6					No samples taken, advance rock socket to 7 ft bgs using 6.25 in. roller bit.					
					7.0					
8					LIMESTONE, medium light gray (N6) with some dark gray (N3) shaley bedding, fine grained, sugary texture, thinly bedded; fossiliferous 7.1-7.2, 8.25-8.55, 9.61-10.3, 11.08-11.74, 12.15-12.54, 12.76-13.52, 14.58-15.42 ft bgs; horizontal fractures at 7.1, 7.21, 7.9, 8.24, 8.61, 8.78, 9.05, 9.17, 9.54, 9.79, 9.89, 10.08, 10.32, 10.37, 10.51, 10.8, 11.06, 11.26, 12.03, 12.4, 13.22, 13.37, 13.39, 13.9, 14.13, 14.22, 14.42, 14.58, 15.35, 15.58, 15.72 ft bgs; shallow angle fracture 12.85, 15.15 ft bgs.			LIMESTONE		Penetration Rate: 2.0 min/ft; Core recovery: 8.8 ft.; RQD: 50.6%
10										
12		RC-1	NA-NA-NA-NA (NA)	8.8'/ 8.8'						
14										
					15.8					
16					LIMESTONE, medium light gray (N6) with some dark gray (N3) shaley bedding, fine grained, sugary texture, thinly bedded; fossiliferous 15.8-16.6, 17.04-17.54, 17.74-18.1, 18.44-19.35, 19.51-20.82, 21.95-22.25, 22.51-24.11, 24.81-25.42 ft bgs; horizontal fractures at 16.25, 17.4, 18.1, 18.25, 18.58, 19.21, 19.38, 19.93, 20.15, 20.4, 20.5, 20.83, 20.96, 21.13, 21.5, 21.73, 21.95, 22.01, 22.62, 22.81, 23.6, 24.06, 24.67, 24.91 ft bgs.					Penetration Rate: 2.9 min/ft; Core recovery: 10.0 ft.; RQD: 63.7%
18										
20		RC-2	NA-NA-NA-NA (NA)	10.0'/ 10.0'						
22										
24										
					25.8					
26					LIMESTONE, medium light gray (N6) with some dark gray (N3) shaley bedding, fine grained, sugary texture, thinly bedded; fossiliferouis 26.97-27.05, 27.38-27.84, 28.48-28.98, 2938-29.6 ft bgs; horizontal fractures at 26.8, 27.28, 27.62, 28.52, 28.9 ft bgs.					Penetration Rate: 2.6 min/ft; Core recovery: 4.2 ft.; RQD: 100%
28		RC-3	NA-NA-NA-NA (NA)	4.2'/ 4.2'						
30										
					30.0					

Refusal at 5.0'.
End of Borehole at 30.0'.

Notes: Open rock well

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **MW12-13**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.300.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Scott Breeds
PURPOSE: Remedial Investigation Phase III
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

GROUND ELEV.
DATUM Ground Surface
DATE STARTED 1/30/2014
DATE FINISHED 2/5/2014

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	4"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	1-1-1-1 (2)	2.0'/ 0.8'	Moderate brown (5YR 3/4) to dark yellowish brown (10YR 4/2), moist, soft, SILT, some f sand, little organics, trace clay. 2.8		ML	SILT	0.0	
4		SS-2	2-1-14-20/0.3 (15)	1.8'/ 1.0'	Medium dark gray (N6) limestone chips. 3.8				0.0	
					No samples taken, advance rock socket to 5.5 ft bgs using 6.25 in. roller bit. 5.5					
6 8 10		RC-1	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous from 5.75-5.85, 7.26-7.89, 8.45-8.66, 9.18-9.76, 10.35-10.5 ft bgs; horizontal fracture 5.63, 5.8, 5.94, 6.2, 6.27, 6.33, 6.4, 6.45, 6.65, 6.95, 7.11, 7.4, 7.57, 8.18, 8.41, 8.51, 8.64, 9.3, 9.41, 9.88, 10.1 ft bgs; vertical fracture 5.94-6.45, 6.65-6.95 ft bgs. 10.5				0.0	Penetration Rate: 5.6 min/ft; Core recovery: 5.0 ft.; RQD: 41.6%
12 14		RC-2	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous from 10.85-11.12, 12.15-14.28, 14.47-14.58, 14.75-15.5 ft bgs; horizontal fracture 11.01, 11.1, 11.58, 11.66, 11.75, 12.18, 12.32, 12.51, 12.85, 13.3, 14.0, 14.55, 14.74 ft bgs. 15.5				0.0	Penetration Rate: 4.4 min/ft; Core recovery: 5.0 ft.; RQD: 81.6%
16 18 20		RC-3	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous from 15.5-16.04, 16.53-16.55, 16.95-19.52, 20-20.18 ft bgs; horizontal fracture 16.21, 16.55, 17.25, 17.35, 17.55 (clayey), 17.58 (clayey), 17.62 (clayey), 17.77, 18.9, 19.82, 20.08 ft bgs. 20.5				0.0	Penetration Rate: 4.8 min/ft; Core recovery: 5.0 ft.; RQD: 76.2%
22 24		RC-4	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous from 20.81-21.62, 21.88-22.75, 23.45-23.64, 24.81-25.5 ft bgs; horizontal fracture 21.15, 21.38, 21.88, 21.92, 22.09, 22.38, 22.49, 23.04, 23.53, 24.21, 24.92 ft bgs. 25.5				0.0	Penetration Rate: 4.8 min/ft; Core recovery: 5.0 ft.; RQD: 78.8%
26 28 30		RC-5	NA-NA-NA-NA (NA)	5.0'/ 5.0'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous from 25.5-26.01, 26.52-27.53, 28.58-29.48 ft bgs; horizontal fracture 26.58, 27.85, 28.62, 28.79, 29.85, 30.01 ft bgs. 30.5				0.0	Penetration Rate: 4.0 min/ft; Core recovery: 5.0 ft.; RQD: 92.0%

Refusal at 3.8'.
End of Borehole at 30.5'.

Notes: Open rock well

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **MW12-14**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.300.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Scott Breeds
PURPOSE: Remedial Investigation Phase III
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	4"	---	---

GROUND ELEV.
DATUM Ground Surface
DATE STARTED 1/31/2014
DATE FINISHED 2/4/2014

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	3-3-6-12 (9)	2.0'/ 1.1'	Grayish brown (5YR 3/2) to moderate brown (5YR 3/4), moist to frozen, stiff, SILT, little f sand, trace f gravel and clay, organics in top 0.2 ft, limestone chips in shoe. 2.0		ML	SILT	0.0	
		SS-2	50/0.3-NA-NA-NA (>50)	0.3'/ 0.3'	Medium light gray (N6) LIMESTONE chips. 2.3				0.0	
4					No samples taken, advance rock socket to 4.5 ft bgs using 6.25 in. roller bit. 4.5					
6		RC-1	NA-NA-NA-NA (NA)	3.4'/ 1.5'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; shattered 4.5-5.15 ft bgs; horizontal fracture at 5.15, 5.3, 5.45 ft bgs; clay seam at 5.45 ft bgs, calcite reprecipitation on fractured pieces. 7.9				0.0	Penetration Rate: 5.9 min/ft; Core recovery: 1.53 ft.; RQD: 0.0%
8		RC-2	NA-NA-NA-NA (NA)	2.1'/ 1.9'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous from 8.57-9.45 ft bgs; shattered 7.9-8.1 ft bgs; horizontal fractures 8.19, 8.31, 8.58, 8.63, 9.11, 9.2, 9.27, 9.34 ft bgs. 10.0				0.0	Penetration Rate: 9.5 min/ft; Core recovery: 1.9 ft.; RQD: 40.0%
10		RC-3	NA-NA-NA-NA (NA)	3.0'/ 2.6'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous from 10.3-10.66 ft bgs; horizontal fractures 10.17, 10.28, 10.52, 11.0, 11.33, 11.44, 11.9, 12.18, 12.35, 12.45 ft bgs; high angle fracture 10.68-11.0, 11.44-11.9 ft bgs; iron staining at 12.30-12.35 ft bgs. 13.0				0.0	Penetration Rate: 6.3 min/ft; Core recovery: 2.6 ft.; RQD: 11.0%
12		RC-4	NA-NA-NA-NA (NA)	2.3'/ 1.8'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous from 13.25-13.68, 14.58-14.78 ft bgs; horizontal fracture 13.25, 13.58, 13.67, 13.9, 13.98, 14.22, 14.45 ft bgs; shattered 13-13.25 ft bgs; vertical fracture 13.98-14.45 ft bgs. 15.3				0.0	Penetration Rate: 6.5 min/ft; Core recovery: 1.75 ft.; RQD: 14.3%
14										
16		RC-5	NA-NA-NA-NA (NA)	4.0'/ 3.7'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous from 15.9-16.15, 16.6-17.02, 17.46-18.12 ft bgs; horizontal fracture 15.59, 15.8, 16.15, 16.45, 16.61, 16.96, 17.05, 17.27, 17.47, 17.83, 18.04, 18.28, 18.48 ft bgs, shattered 15.3-15.59, 16.15-16.3, 17.47-17.84 (soft), 18.65-19.3 ft bgs. 19.3				0.0	Penetration Rate: 5.8 min/ft; Core recovery: 3.65 ft.; RQD: 8.3%
18										
20		RC-6	NA-NA-NA-NA (NA)	5.0'/ 4.7'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous from 20.2-23.9 ft bgs; horizontal fracture 19.55, 19.72, 20.0, 20.13, 20.26, 20.50, 20.66, 20.80, 21.02, 21.24, 21.37, 21.53, 21.65, 21.78, 22.04, 21.89, 22.25, 22.57, 23.65 ft bgs; shattered 22.55-23, 23.3-23.65 ft bgs. 24.3				0.0	Penetration Rate: 5.6 min/ft; Core recovery: 4.65 ft.; RQD: 7.0%
22										
24										
26		RC-7	NA-NA-NA-NA (NA)	5.7'/ 4.6'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous from 25.65-25.7, 26.58-27.02, 27.4-28.15 ft bgs; horizontal fracture 24.55, 24.62, 24.77, 24.85, 25.58, 25.63, 25.91, 26.03, 26.51, 26.88, 27.42, 28.16, 28.34 ft bgs; shattered 24.3-24.55, 24.98-25.58, 26.03-26.51 (high amounts of reprecipitated calcite) ft bgs; possible void area approximately 26-27 ft bgs. 30.0				0.0	Penetration Rate: 4.6 min/ft; Core recovery: 4.55 ft.; RQD: 19.2%
28										
30										

Refusal at 2.3'.
End of Borehole at 30.0'.

Notes: Well Construction details: 0.010 2in. slot screen (0.5-28.5 ft bgs); #1 Sand filter pack (0.8-30 ft bgs).

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **MW12-15**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.300.001

DRILLING CONTRACTOR:
DRILLER:
PURPOSE:
DRILLING METHOD: Remedial Investigation Phase III
DRILL RIG TYPE: Direct Push, HSA

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	4"	---	---

GROUND ELEV.
DATUM Ground Surface
DATE STARTED 1/31/2014
DATE FINISHED 2/6/2014

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	1-1-2-3 (3)	2.0'/ 0.6'	Grayish brown (5YR 3/2), moist, soft, SILT, trace vf sand, slightly cohesive, organic odor. 2.0		ML	SILT	0.0	
4		SS-2	6-8-14-37 (22)	2.0'/ 0.9'	Grayish brown (5YR 3/2), moist, soft, SILT, trace dark yellowish brown (10YR 4/20 f sand, slightly cohesive, organic odor. 2.6 Medium dark gray (N4) LLIMESTONE chips with dark gray (N3) fissile shale layers. 4.0		ML		0.0	
6					No samples taken, advance rock socket to 6.0 ft bgs using 6.25 in. roller bit. 6.0					
8		RC-1	NA-NA-NA-NA (NA)	5.0'/ 4.9'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous from 6.58-6.65, 7.58-8.01, 9.54-9.91, 10.45-10.85 ft bgs; horizontal fractures 6.26, 6.34, 6.57, 6.66, 6.71, 6.83, 7.06, 7.60, 7.71, 7.91, 8.09, 8.37, 8.53, 8.60, 8.83, 9.27, 9.50, 9.68, 9.87, 9.91, 9.96, 10.02, 10.58 ft bgs. 11.0			LIMESTONE	0.0	Penetration Rate: 4.4 min/ft; Core recovery: 4.91 ft.; RQD: 36.6%
12		RC-2	NA-NA-NA-NA (NA)	4.8'/ 4.9'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous from 11.0-11.24, 11.71-13.31, 13.58-14.24, 14.98-15.78 ft bgs; horizontal fracture 11.73, 12.4, 13.11, 13.85, 14.47, 14.91, 15.05, 15.37, 15.71 ft bgs. 15.8				0.0	Penetration Rate: 3.5 min/ft; Core recovery: 4.9 ft.; RQD: 78.2%
16		RC-3	NA-NA-NA-NA (NA)	5.0'/ 4.9'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous from 16.0-19.01, 19.36-20.11, 20.29-20.48 ft bgs; horizontal fratures 15.85, 15.97, 17.48, 18.02, 18.58, 19.27, 19.86, 20.12, 20.34 ft bgs. 20.8				0.0	Penetration Rate: 3.2 min/ft; Core recovery: 4.85 ft.; RQD: 83.2%
22		RC-4	NA-NA-NA-NA (NA)	5.0'/ 5.1'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous from 20.8-21.01, 21.24-22.08, 22.62-23.0, 23.16-24.58, 24.98-25.8 ft bgs; horizontal fractures at 21.39, 21.92, 22.58, 22.62, 23.23, 23.58, 24.11, 24.36, 25.02 ft bgs. 25.8				0.0	Penetration Rate: 5.0 min/ft; Core recovery: 5.1 ft.; RQD: 94.2%
28		RC-5	NA-NA-NA-NA (NA)	4.2'/ 4.2'	LIMESTONE; medium light gray (N6) with dark gray (N3) shaley beds, fine grained, sugary texture, thinly bedded; fossiliferous from 25.8-25.88, 26.75-28.08, 28.58-30.0 ft bgs; horizontal fractures at 25.88, 26.23, 26.90, 28.02, 28.28 ft bgs. 30.0				0.0	Penetration Rate: 4.5 min/ft; Core recovery: 4.15 ft.; RQD: 86.7%

Refusal at 4.0'.
End of Borehole at 30.0'.

Notes: Open rock well

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

BORING NO. **MW12-16**

SHEET 1 OF 2

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan; Alayna Fuess

JOB NO. 49512.300.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Scott Breeds
PURPOSE: Remedial Investigation Phase III
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

GROUND ELEV.
DATUM Ground Surface
DATE STARTED 9/8/2015
DATE FINISHED

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	3-5-5-4 (10)	2.0'/ 0.9'			ML		0.0	
4		SS-2	3-6-9-10 (15)	2.0'/ 1.9'			ML	SILT	0.0	
6		SS-3	5-6-9-10 (15)	2.0'/ 1.9'					0.0	
		SS-4	13-15-50/0.3-NA (>50)	1.3'/ 1.3'	6.8				0.0	
					7.3		TILL	TILL		
8					No samples taken. Advance rock socket to 8.8 ft bgs using 6.25 in. roller bit. 8.8					
10					LIMESTONE; Medium Gray (N5) with Grayish Black (N2) to Black (N1) Shale; Fine-grained; Thinly-bedded; Vuggy Texture from 1.1-1.6; Horizontal Fractures at: .1, .15, .65, .9, 1.1, 1.5, 2.3, 3.65, 4; Fossiliferous Zones at: 0-.1, .5-.7, 1-1.75, 1.9-2, 2.55-2.65, 3-3.1, 3.25-3.3, 3.4-3.6, 3.75-4.3, 4.35-4.45, 4.5-4.55, 4.65-4.7.					
12										
14					13.8 LIMESTONE; Medium Gray (N5) with Grayish Black (N2) and Black (N1) Shale; Fine-grained; Thinly bedded; Horizontal Fractures at: .15, .9, 1.55, 2.5, 3.1, 3.5, 4.2; Fossiliferous Zones at: .55-.65, .75-.8, .85-.9, 1.1-1.45, 2.57-2.62, 3.2-3.3, 3.85-4.3, 4.7-4.83.					
16										
18					18.8 LIMESTONE: Medium Gray (N5) with Grayish Black (N2) and Black (N1) Shale; Fine-grained; Thinly Bedded; Horizontal Fractures at: 1.2, 2.55, 3, 3.45, 4.8; Fossiliferous Zones at: 0-0.2, .6-.85, .9-.95, 1.1-1.2, 1.6-1.63, 1.9-2.1, 2.6-2.75, 3.25-3.5, 4.1-4.3, 4.4-4.5, 4.55-4.65, 4.8-5.					
20										
22										
24					23.8 LIMESTONE; Medium Gray (N5) to Medium Dark Gray (N4) with Grayish Black (N2) to Black (N1) Shale; Fine-grained; Thinly bedded; Horizontal Fractures at: .5, 1.5, 1.8, 2.2, 2.4, 3, 3.1, 3.7, 4.3; Fossiliferous Zones at: .1-.2, .5-.8, 1.1-1.5, 1.8-2.2, 2.6-3.1, 3.8-4, 4.2-4.4, 4.7-4.8, 4.9-5.					
26										
28					28.8 LIMESTONE; Medium Dark Gray (N4) with Grayish Black (N2) to Black (N1) Shale; Fine-grained; Thinly bedded; No naturally occuring					
30					30.0					

Notes: Open rock well

(Continued Next Page)

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

BORING NO. **MW12-16**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan; Alayna Fuess

SHEET 2 OF 2

JOB NO. 49512.300.001

DEPTH (ft)	Sample Type Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
				fractures; Fossiliferous Zones at: 0-.1, .75-.9, 1-1.2.					
				Refusal at 7.3'.					
32				End of Borehole at 30.0'.					
34									
36									
38									
40									
42									
44									
46									
48									
50									
52									
54									
56									
58									
60									
62									
64									
66									

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

BORING NO. **MW12-17**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan; Alayna Fuess

SHEET 1 OF 2
JOB NO. 49512.300.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Scott Breeds
PURPOSE: Remedial Investigation Phase III
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

GROUND ELEV.
DATUM Ground Surface
DATE STARTED 9/9/2015
DATE FINISHED

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	3-6-9-11 (15)	2.0'/ 0.7'	FILL			FILL	0.0	
					2.5					
4		SS-2	9-11-5-5 (16)	2.0'/ 0.9'	SILT		ML	SILT	0.0	
		SS-3	7-7-8-10 (15)	2.0'/ 1.7'	5.0				0.0	
6					SILT		ML			
					6.0					
8		SS-4	8-8-9-10 (17)	2.0'/ 1.7'	SILT		ML		0.0	
					8.7					
10		SS-5	3-5-15-22 (20)	2.0'/ 1.8'	TILL		TILL	TILL	0.0	
		SS-6	50/0.4 ()	0.4'/ 0.4'	10.4				0.0	
12					No samples taken. Advance rock socket to 13.3 ft bgs using 6.25 in. roller bit.					
					13.3					
14					LIMESTONE; Medium Gray (N5) with Grayish Black (N2) and Black (N1) Shale; Fine-grained; Thinly Bedded; Horizontal Fractures at: .25, .5, .88, 1.15, 1.4, 2, 2.35, 2.42, 2.75, 3.1, 3.35, 3.80, 4.35, 4.9; Fossiliferous Zones at: .15-.25, .65-.9, 1.3-1.4, 1.75-2, 2.23-2.27, 2.45-2.65, 2.9-2.93, 3.25-3.35, 3.5-3.6, 4.5-4.6, 4.9-4.95, 4.98-5.					
16										
18					18.3					
20					LIMESTONE; Medium Gray (N5) and Medium Dark Gray (N4) with Dark Grey (N3), Grayish Black (N2), and Black (N1) Shale; Fine-grained; Thinly Bedded; Horizontal Fractures at: .15, .35, 1.3, 1.65, 2.05, 2.3, 2.5, 3.15, 3.75, 4, 4.65 Vertical Fractures at: 1.25-1.65, 2-2.6; Fossiliferous Zones at: .15-.2, 1.2-1.3, 1.7-1.95, 3.4-3.45, 4.4-4.6, 4.9-5.					
22										
					23.3					
24					LIMESTONE; Medium Dark Gray (N4) and Medium Gray (N5) with Grayish Black (N2) and Black (N1) Shale; Fine-grained; Thinly Bedded; Horizontal Fractures at: 1.35, 1.9, 2.6, 3.05, 3.15, 3.85, 4.25; Fossiliferous Zones at: .7-.8, 1.65-1.85, 2.05-2.4, 2..75-3, 3.4-3.85, 3.9-4.05, 4.8-4.85.					
26										
28					28.3					
					LIMESTONE: Medium Dark Gray (N4) and Medium Gray (N5) wtih Grayish Black (N2) and Black (N1) Shale; Fine-grained; Thinly Bedded; Horizontal Fractures at: .9, 1.3; Fossiliferous Zones at:					
30					30.0					

Notes: Open rock well

(Continued Next Page)

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

BORING NO. **MW12-17**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan; Alayna Fuess

SHEET 2 OF 2

JOB NO. 49512.300.001

DEPTH (ft)	Sample Type Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
				.5-.75, 1.15-1.2.					
				Refusal at 10.4'. End of Borehole at 30.0'.					
32									
34									
36									
38									
40									
42									
44									
46									
48									
50									
52									
54									
56									
58									
60									
62									
64									
66									

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

BORING NO. **MW12-18**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan; Alayna Fuess

SHEET 1 OF 1
JOB NO. 49512.300.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Scott Breeds
PURPOSE: Remedial Investigation Phase III
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

GROUND ELEV.
DATUM Ground Surface
DATE STARTED 9/10/2015
DATE FINISHED

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	5-10-12-15 (22)	2.0'/ 1.0'				FILL	0.0	
		SS-2	50-55-50/0.1 (>50)	1.1'/ 0.7'	2.0 2.3 No samples taken, advance rock socket to 6 ft bgs using 6.25 in. roller bit.				0.0	
4										
6					6.0 LIMESTONE; Medium Light Gray (N6) with some Dark Grey (N3); Fine-grained; Thinly Bedded; Heavily Fractured; Core blocked at 7.6.					
8					7.6 LIMESTONE; Medium Gray (N5) to Medium Dark Grey (N4) and Dark Grey (N3) in some small areas (Clasts, nodes); Fine-grained; Thinly Bedded; Horizontal Fractures at: .2, .3, .5, .95, 1.1, 1.3, 1.55, 1.85, 2.1, 2.5, 2.65, 2.75, 3.3; Fossiliferous Zones at: .2-.4, .8-.9, 1-1.15, 1.3-1.7, 3.1-3.5; Heavily Fractured from approx. 7.6 to 11.					
10										
12					12.0 LIMESTONE; Beds of interchanging Medium Dark Gray (N4) and Medium Gray (N5) with Grayish Black (N2) and Black (N1) Layers of Shale; Fine-grained; Thinly Bedded; Horizontal Fractures at: .3, 1.15, 1.8, 2.3, 2.5, 2.85, 3, 3.15, 3.4, 3.65, 4, 4.3, 4.5; Fossiliferous Zones at: 0-.3, .55-.7, 1.1-1.5, 1.65-1.8, 1.88-1.95, 2.2-2.3, 2.48-2.5, 2.65-2.8, 2.85-3, 3.15-3.3, 3.95-4.05, 4.27-4.3, 4.5-4.82.					
14										
16										
18					17.0 LIMESTONE; Medium Gray (N5) to Medium Dark Gray (N4) with Grayish Black (N2) and Black (N1) Shale; Fine-grained; Thinly Bedded; Horizontal Fractures at: .25, .74, 1.15, 1.8, 2.3, 2.5, 2.85, 3.35, 3.9, 4.15, 4.5; Fossiliferous Zones at: 0-.25, .35-.4, 1.2-1.25, 1.75-1.9, 2.03-2.05, 2.15-2.2, 2.25-2.33, 2.45-2.7, 3-3.05, 3.35-3.8, 4.13-4.5, 4.55-4.7.					
20										
22					22.0 LIMESTONE; Medium Gray (N5) with Grayish Black (N2) and Black (N1) Shale; Fine-grained; Thinly Bedded; Horizontal Fractures: 1.45, 1.6, 1.9, 2.83, 4.03; Fossiliferous Zones: .35-.4, 1.25-1.45, 1.7-1.75, 1.93-2, 2.18-2.28, 2.58-2.63, 2.8-3, 3.1-3.2, 3.25-3.35, 3.65-3.75, 3.9-3.97, 4.05-4.07, 4.55-4.7.					
24										
26					26.7 LIMESTONE; Medium Gray (N5) to Medium Light Gray (N6) with Grayish Black (N2) to Black (N1) Shale; Fine-grained; Thinly Bedded; Horizontal Fractures at: .6, .85, 1, 1.2, 1.3, 1.9, 2.5, 3.05; Fossiliferous Zones at: .75-.8, 1-1.2, 1.7(?)-2.1, 2.8-3.3.					
28										
30					30.0					

Refusal at 2.3'.
End of Borehole at 30.0'.

Notes: Well Construction details: 0.010 2in. slot screen (9.97-29.97 ft bgs); #1 Sand filter pack (5' to 29.97 ft bgs); Bentonite seal (5-3 ft bgs).

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

BORING NO. **MW12-19**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan; Alayna Fuess

SHEET 1 OF 1
JOB NO. 49512.300.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Scott Breeds
PURPOSE: Remedial Investigation Phase III
DRILLING METHOD: Direct Push, HSA
DRILL RIG TYPE: CME 850

GROUND ELEV.
DATUM Ground Surface
DATE STARTED 9/10/2015
DATE FINISHED

	SAMPLE	CORE	CASING
TYPE	SS	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		SS-1	3-5-4-6 (9)	2.0'/ 0.7'				FILL	0.0	
4		SS-2	4-4-6-10 (10)	2.0'/ 1.6'			ML	SILT	0.0	
		SS-3	6-8-50/0.4 (>50)	1.4'/ 1.4'	2.0 4.7 5.4		TILL	TILL	0.0	
6					No samples taken, advance rock socket to 5.5 ft bgs using 6.25 in. roller bit. 7.5					
8					LIMESTONE; Light Gray (N7), Dark Gray (N3); Fine-grained; Thinly Bedded; Horizontal Fractures at: .25, .55, 1.1, 1.35, 1.5, 1.55, 2.1, 2.35, 2.6, 2.85, 2.9, 3.15; Fossiliferous Zones at: .27-.37, 1.32-1.36, 2.1-2.15, 2.6-2.7, 2.9-3.4, 3.85-4.					
10										
12					12.5					
14					LIMESTONE; Medium Gray (N5) with Grayish Black (N2) Shale; Fine Grained, slightly coarser in fossiliferous sections; Thinly bedded; Horizontal Fractures at: .1, 1.1, 2.1, 2.2, 2.42, 3.2, 3.4, 4.75; Fossiliferous Zones at: .1-.2, .4-.8, .9-.95, 1.4-1.7, 1.9-2, 2.85-2.95, 3.4-3.6, 3.8-4, 4.2-4.3.					
16										
18					17.3 LIMESTONE; Medium Light Gray (N6) with layers of Grayish Black (N2) Shale; Slightly coarser in fossiliferous zones; Fine-grained; Thinly bedded; Horizontal Fractures at: .5, .85, 1.2, 2.25, 2.95, 4.25, 4.9; Fossiliferous Zones at: .3-.4, .63-.8, 1-1.05, 1.15-1.45, 2.2-2.4, 2.9-3.5, 3.95-4.1, 4.85-4.95.					
20										
22					22.3 LIMESTONE; Medium Gray (N5) with layers of Grayish Black (N2) Shale; Fine-grained; Thinly bedded; Horizontal Fractures at: .2, .8, 1.45, 1.8, 2.6, 2.95, 3.95, 4.2, 4.65; Fossiliferous Zones at: .54-.6, .72-.8, 1.25-1.3, 1.37-1.45, 1.6-1.75, 1.87-1.98, 2.6-2.65, 2.73-2.84, 3.1-3.13, 3.4-3.95, 4.1-4.2, 4.3-4.55, 4.65-5.0.					
24										
26					27.3					
28					LIMESTONE; Medium Light Gray (N6) with Grayish Black (N2) Shale; Fine-grained; Thinly Bedded; Horizontal Fractures at: .58, 1.1, 1.75, 2.45; Fossiliferous Zones at: 0-.35, 1.1-1.6; 1.9-2, 2.4-2.45.					
30					29.9					

Refusal at 5.4'.
End of Borehole at 30.0'.

Notes: Open rock well

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

BORING NO. **MW12-20**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Alayna Fuess

SHEET 1 OF 1

JOB NO. 49512.300.001

DRILLING CONTRACTOR:
DRILLER:
PURPOSE:
DRILLING METHOD: Remedial Investigation Phase III
DRILL RIG TYPE: Direct Push, HSA

GROUND ELEV.

DATUM Ground Surface

DATE STARTED 9/17/2015

DATE FINISHED

	SAMPLE	CORE	CASING
TYPE	---	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2					2.0		FILL			
4					4.0		ML			
6					No samples taken; advance rock socket to 6.5 ft bgs using 6.25 inch roller bit. 6.5					
8										
10										
12										
14										
16										
18										
20										
22										
24										
26										
28										
30										

Refusal at 4.3'.
End of Borehole at 30.0'.

Notes: Open rock well

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

1422

OBG

BEDROCK CORE LOG

Borehole ID: MW12-21
Job Number: 49512.500.001
Page: 1 of 2

Client:	NYSDEC	Drilling Contractor:	Parratt-Wolff, Inc.	Core Size:	HQ	Borehole Loc.:	Watertown, NY
Project:	BOMAX SRI	Driller:	Lane Peck	Casing Dia. / Length:	4"	Northing:	
Purpose:	Well Installation	Observer:	Josh Perez	Orientation:	Vertical	Easting:	
Location:	Watertown, NY	Date Started:	12/13/18	Total Depth:	30' bgs	Ground Elev.:	
		Date Completed:	12/13/18	Static WL:		Datum:	

Formation	Member	Rock Type	Depth (ft.)	Run No.	Pen. Rate (min/ft.)	Penetration (ft.)	Recovery (ft. / %)	RQD (%)	LITHOLOGIC DESCRIPTION (include in order: Color, hardness, weathering, surface, rock quality, bedding, porosity, texture/fabric, minerals, ROCK TYPE.)		Notes
				1 2					Hand cleared to ~5' bgs.		
									Set temporary 4" Casing to 8.5' bgs		
			8	1048	24/3.0	3.0	2.65/3.0	0.9/3.0		8	
				①	8.0		88%	30%	Bedrock: LS, Medium grey (N5) to grayish black (N2) shaley Sandy Hard, generally fresh w/ occasional slight weathering, Sucrosic w/ occasional partially recrystallized Veins. Extremely fractured, thinly laminated, none-slight porosity, micritic (Bioclastic). Fossiliferous @ 0-3, 0.7-0.82, 0.9, 1.4, 1.8, 2.0, 2.3, 2.5-2.65		0.0 ppm PID
			11.0	1112						11.0	PID: 0.0 ppm
				1126	30/5.0	5.0	100%	2.1/5.0	As Above. Fossiliferous @ 0.0-0.5, 1.2-2.0, 2.4-3.0, 3.4-3.8, 4.0-4.7		
				②	6.0			42%	4.95-5.0		
			16.0	1156						16.0	
				1250	32/5.0	5.0	5.0/5.0	3.45/5.0	As Above. *(From 1.2-1.62: Soft-moderately hard, moderate weathering w/ some degradation to Clay.) Fossiliferous @ 1.15, 1.7-1.8, 1.9, 2.05, 2.3-3.65, 3.9-4.05, 4.3-4.35, 4.47-4.6, 4.9-4.96.		PID: 0.1 ppm
				③	6.4		100%	69%			
			21.0	1322						21.0	
				1546	31/5.0	5.0	4.8/5.0	100%	As Above. Fossiliferous @ 0.15-0.23, 0.3-0.36, 0.6-1.42, 1.6-1.8, 2.15-2.45, 2.9-3.35, 3.52-3.55, 3.7-4.0, 4.3-4.73		PID: 0.0 ppm
				4	6.2		96%		Flame Structure @ 4.75		
				1407							
			26.0	1422						26.0	

OBG

BEDROCK CORE LOG

Borehole ID: MW12-21
Job Number: 49512
Page: 2 of 2

Formation	Member	Rock Type	Depth (ft.)	Run No.	Pen. Rate (min/ft.)	Penetration (ft.)	Recovery (ft. / %)	RQD (%)	LITHOLOGIC DESCRIPTION (include in order: Color, hardness, weathering, surface, rock quality, bedding, porosity, texture/fabric, minerals; ROCK TYPE.)		Notes
			26.0						↑ Run 4* ↑ ↑	26.0	
				1422	28/4.0	4.0	3.94/4.0	100%	As above. Fossiliferous @ 0.25-1.0, 1.66-1.75, 2.02-2.25, 2.4-2.78, 3.3-3.8.		PID: 0.0 ppm
				(5)	7.0		99%		Very vuggy zone w/ partial recrystallization @ 3.2-3.8'.		
				1450							
			30.0	12/17/18 R					* Set 4" casing 0-30' before coring to 40' bgs...	30.0	
				1404	23/5.0	5.0	5.4/5.0	4.5/5.0	As above. Fossiliferous @ 0.0-0.6, 0.5-0.8, 1.3, 1.7-2.1, 2.17, 2.32, 2.9-3.3, 3.4-3.6, 4.25-5.0		PID: 0.0
				(6)	4.6		102%	90%			
			35.0	1423						35.0	
				1482	26/5.0	5.0	5.05/5.0	2.6/5.0	As above. Moderately weathered, occasionally Serrated. Fossiliferous @ 0.0-0.3, 1.7-3.25, 3.75-3.85, 4.2-4.4, 4.75-5.0.		PID: 0.2 ppm
				(7)	5.2		101%	52%			
			40.0	1508						40.0	
									End @ 40.0' bgs.		

OBG

BEDROCK CORE LOG

Borehole ID: MW12-22
Job Number: 49512.500.001
Page: 1 of 1

Client:	NYSDEC	Drilling Contractor:	Parratt-Wolff, Inc.	Core Size:	HQ	Borehole Loc.:	Bomax, Watertown, NY
Project:	BOMAX SRI	Driller:	Lara Pech	Casing Dia. / Length:	4"	Northing:	
Purpose:	Well Installation	Observer:	Josh Perez	Orientation:	Vertical	Easting:	
Location:	Watertown, NY	Date Started:	12/19/18	Total Depth:	40' bgs	Ground Elev.:	
		Date Completed:	12/19/18	Static WL:		Datum:	

Formation	Member	Rock Type	Depth (ft.)	Run No.	Pen. Rate (min/ft.)	Penetration (ft.)	Recovery (ft. / %)	RQD (%)	LITHOLOGIC DESCRIPTION (include in order: Color, hardness, weathering, surface, rock quality, bedding, porosity, texture/fabric, minerals, ROCK TYPE.)		Notes
				1212	18/4.0	4.0	4.1/4	3.7/4.0	Bedded FS, Medium lt. gray (N5) to grayish black (N2) shaley beds.		PID: 0.2 ppm
				1230	4.5		104%	80%	generally hard, moderately hard in shaley beds, Fresh. Slight weathering,		
			34.0						generally well w/ partially recrystallized veins @ 2-1' Moderately fractured,		
									thinly laminated generally micritic, occasionally limonitic w/ fossils @ 0-0.2,	34.0'	
				1245	25/5.0	5.0	4.95/5.0	4.65/5.0	0.4-0.85, 1.43-1.6, 2.0, 2.5, 2.6, 3.65, 3.35-3.8, 3.95-4.02, 4.18-4.2.		PID: 0.2 ppm
					5.0		99%	93%	As ABOVE. Fossiliferous @ 0.15-0.2, 0.6-0.7, 1.62-2.0, 2.65-3.2, 3.8-3.98,		
									4.2, 4.6-4.64. Parallel pods w/ occasional cavities & Coral.		
			39.0	1310					# Rarely pelecidal & occasional pitting.	39.0	
				1320	12/2.0	2.0	1.9/2.0	1.65/2.0	As ABOVE. Fossiliferous @ 0-0.6, 0.95-1.1, 1.45-1.6, 1.84-1.9.		PID: 0.1 ppm
			41.0	1332	6		95%	83%		41.0	
									END: 41' bgs		

OBG

BEDROCK CORE LOG

Borehole ID: MW12-23
Job Number: 49512
Page: 1 of 1

Client:	NYSDEC	Drilling Contractor:	Parratt-Wolff, Inc.	Core Size:	HQ	Borehole Loc.:	Bomax Watertown
Project:	BOMAX SRI	Driller:	Lane Peck	Casing Dia. / Length:	4"	Northing:	
Purpose:	Well Installation	Observer:	Josh Perez	Orientation:	Vertical	Easting:	
Location:	Watertown, NY	Date Started:	12/12/18	Total Depth:	40'	Ground Elev.:	
		Date Completed:	12/12/18	Static WL:		Datum:	

Formation	Member	Rock Type	Depth (ft.)	Run No.	Pen. Rate (min/ft.)	Penetration (ft.)	Recovery (ft. / %)	RQD (%)	LITHOLOGIC DESCRIPTION (include in order: Color, hardness, weathering, surface, rock quality, bedding, porosity, texture/fabric, minerals, ROCK TYPE.)	Notes
			30'						Hand cleared 0-5' bgs Air Hammered ~5'-8.5' bgs & set 6" casing. Air Hammered 8.5'-30' bgs & set 4" casing Flush grout out from ~13-30' bgs. START: Run 1 @ 30' bgs.	
		LS	34.2	0804 1 0848	48/4.2 11.42	4.2	3.95/4.2 94%	3.75/4.2 89% Good.	Banded shaley LS, med. dark gray (N4) to Greyish Black (N2), Generally Slight weathering w/ occasional moderate weathering along Shale zones. Generally hard, occasionally moderately hard in shaley zones. Occasional pitting w/ recrystallization, moderately fractured, meter, occasional finely fractures, thinly laminated, Slight porosity, micritic, fossiliferous 0.1-0.25, 0.9, 1.0, 1.1-1.2, 1.8-2.1, 2.2-2.4, 2.5, 3.05-3.2, 3.6-3.9	PID: 0.0 ppm
		LS	39.2	0906 2 0944	38/5.0 7.6	5.0	5.1/5.0 102%	4.95/5 99%	~~Banded~~ Same as above Fossiliferous @ 0-0.2, 0.7-1.05, 1.7-2.75, 2.8-2.95, 3.1-3.75, 3.9-4.05, 4.75-5.0.	
		LS	40.2	0955 3 1007	12/1.3 9.23	1.3	1.17/1.3 90%	100%	AS ABOVE Fossiliferous @ 0-0.8, 0.95, 1.15-1.17.	
		LS	44.2'	1228 4 1253	25/4.0 6.25	4.0	100%	100%	AS ABOVE Fossiliferous 0-0.1, 0.8-1.0, 1.4-1.65, 1.85-1.9, 7.95, 2.1-2.4, 2.6-2.9, 3.0-3.1, 3.65-4.0.	

END @ 44.2' bgs.

OBG

BEDROCK CORE LOG

Borehole ID: MW12-24
Job Number: 49512
Page: 1 of 1

Client:	NYSDEC	Drilling Contractor:	Parratt-Wolff, Inc.	Core Size:	HQ	Borehole Loc.:	Bomax, Watertown
Project:	BOMAX SRI	Driller:	Glenn Lovering	Casing Dia. / Length:	4"	Northing:	
Purpose:	Well Installation	Observer:	Josh Perez	Orientation:	Vertical	Easting:	
Location:	Watertown, NY	Date Started:	12/12/18	Total Depth:	40'	Ground Elev.:	
		Date Completed:	12/13/18	Static WL:		Datum:	

Formation	Member	Rock Type	Depth (ft.)	Run No.	Pen. Rate (min/ft.)	Penetration (ft.)	Recovery (ft. / %)	RQD (%)	LITHOLOGIC DESCRIPTION (include in order: Color, hardness, weathering, surface, rock quality, bedding, porosity, texture/fabric, minerals, ROCK TYPE.)	Notes
			30'						Hand cleared to 5' bgs 10" Casing to 8' bgs 4" Casing to 30' bgs Start: Run 1 @ 30' bgs	
			33.5	1500 1540	40/3.5 11.4	3.5	100%	2.7/3.5 77%	Medium dark gray (N4) to grayish black (N2) banded LS. Generally hard to occasional moderately hard in shaley zones. Fresh to slight weathering, Solid w/ occasional partially recrystallized vugs, moderately fractured thinly laminated, slight porosity micrite (Bioarenite) fossiliferous @ 0-0.4, 0.8-1.0, 1-15, 1.4-1.5, 1.9-2.1, 2.4, 2.55-2.6, 3.0, 3.2-3.45. Occasionally peloidal @ 2.4-2.5. Brachiopods, crinoid stems.	PID: 0.1 ppm PID: 0.1 ppm
			38.5	0716 0750	34/5.0 6.8	5.0	5.0 100%	0.6/5.0 12%	Banded LS AS ABOVE. Heavily fractured. Moderately weathered Fossiliferous 0-1.4 1.55-1.8 2.05-2.3 3.5-4.35, 4.7-4.8. Brachiopods, crinoid stems, Coral, bryozoa.	
			40.5	0812 0822	10/2 5.0	2.0	2.0 100%	1.5/2.0 75%	AS ABOVE. Slight to moderate weathering Fossiliferous @ 0.5, 0.5-0.65, 0.8, 1.05-1.35, 1.92.0-	PID: 0.0 ppm
									END @ 40.5' bgs.	

Client: NYSDEC
Proj.: Bannex Ph. 3 RI
Purpose: Well Install
Loc.: Watertown, NY

Contract: Parratt-Wolff
Driller: Lona Peck
Observ: Josh Peloz
Start: 12/18/18
End: 12/18/18

Diam: 4"
Orient: Vertical
Depth: 40' bgs

Loc.: Watertown NY

OBG

BEDROCK CORE LOG

Borehole ID: MW12-25
Job Number: 49512
Page: 1 of 1

Formation	Member	Rock Type	Depth (ft.)	Run No.	Pen. Rate (min/ft.)	Penetration (ft.)	Recovery (ft. / %)	RQD (%)	LITHOLOGIC DESCRIPTION (include in order: Color, hardness, weathering, surface, rock quality, bedding, porosity, texture/fabric, minerals, ROCK TYPE.)		Notes
									Hand cleared to ~3' bgs 6" casing to 8.5' bgs 4" casing to 30' bgs. START @ 30' bgs.		
			30.0							30.0	
				1300 (1) 1323	23/3.9 5.89	3.9	3.6#/3.9 93%	24/39 62%	Banded LS, Medium light gry (N6) to grayish black (N2) shaley beds. Generally hard, occasionally moderately hard in shaley beds. Slight to moderate weathering, Solid w/ occasional partially recrystallized vugs, Moderately fractured, thinly laminated, slight porosity, Micritic, visually biomicritic. Fossiliferous @ 0.35-0.6, 1.35-1.65, 1.73, 2.7-3.0, 3.24. Brachiopods & occasional Crinoid stems.		PID: 0.0 ppm
			33.9							33.9	
				1338 1405	28/5.0 5.6	5.0	100% 84%	42/50	AS ABOVE. Fossiliferous @ 0.2, 0.3, 0.35, 0.82-0.95, 1.39-1.8, 2.2-2.92, 3.24-3.65, 3.72-4.35, 4.5-5.0 Generally brachiopods & crinoid stems		PID: 0.0 ppm
			38.9							38.9	
				1417 1434	17/2.0 8.5	2.0	2.1 105%	1.6/2.0 80%	AS ABOVE. Fossiliferous @ 0.35, 0.6-0.75 1.2, 1.4-1.52. Brachiopods, crinoids & coral (Probably horn coral).		PID: 0.1 ppm
			40.9						END @ 40.9' bgs	40.9	
				1434							

Client: NYSDEC
Proj: Bamax SRE
Purpose: well Install.

Drill Contr: Parratt Wolff
Driller: Lone Pech
Observer: Josh Reez
Date Start: 12/17/18
Date End:

Size: HQ
Dim: 4"
Orient: Vertical

Loc: Bamax

Location: Watertown, NY

OBG

BEDROCK CORE LOG

Borehole ID: MW12-26
Job Number: 49512
Page: 1 of 1

Formation	Member	Rock Type	Depth (ft.)	Run No.	Pen. Rate (min/ft.)	Penetration (ft.)	Recovery (ft. / %)	RQD (%)	LITHOLOGIC DESCRIPTION (include in order: Color, hardness, weathering, surface, rock quality, bedding, porosity, texture/fabric, minerals, ROCK TYPE.)	Notes
									Hand Cleared to 3' bgs.	
									6" Casing Air Hammered to 6' bgs.	
									4" Casing Air Hammered to 30' bgs.	
			30'							
				0931	40/5.0	5.0	5.0/5.0	4.5/5.0	Banded LS, Medium light gry (N6) to greenish black (N2) Shelley beds. Generally hard, occasionally moderately hard. Fresh to slight weathering, occasional vugs w/ partial recrystallization, moderately fractured, thinly laminated smooth beds, slight porosity, generally microcrystalline (micritic) w/ some fine grained regions, fossiliferous Biomicrite @ 0.2-0.28, 0.32-0.36, 0.45-0.55, 0.7-0.8, 0.95-1.22, 1.47-1.82, 1.95-2.2, 2.4-3.4, 3.6-3.65, 4.08-4.8.	PID: 0.0 ppm
				①	6.0		102%	90%		
			35'	0951						
				1012	32/5.0	5.0	4.8/5.0	3.8/5.0	As above. Fossiliferous @ 0.4-0.8, 0.1-1.35, 2.05-2.1, 2.25, 2.55-2.76, 2.9-3.25, 3.7-4.05, 4.45-4.8.	PID: 0.1 ppm
				②	6.4		96%	76%		
			40'	1034						
									END @ 40' bgs.	

OBG

BEDROCK CORE LOG

Borehole ID: MW12-27
Job Number: 49512
Page: 1 of 2

Client:	NYSDEC	Drilling Contractor:	Parratt-Wolff, Inc.	Core Size:	HQ3	Borehole Loc.:	Bomax
Project:	BOMAX SRI	Driller:	Lane Rech.	Casing Dia. / Length:	4"	Northing:	
Purpose:	Well Installation	Observer:	Josh Perez	Orientation:	Vert.	Easting:	
Location:	Watertown, NY	Date Started:	12/10/18	Total Depth:		Ground Elev.:	
		Date Completed:	12/11/18	Static WL:		Datum:	

Formation	Member	Rock Type	Depth (ft.)	Run No.	Pen. Rate (min/ft.)	Penetration (ft.)	Recovery (ft. / %)	RQD (%)	LITHOLOGIC DESCRIPTION (include in order: Color, hardness, weathering, surface, rock quality, bedding, porosity, texture/fabric, minerals, ROCK TYPE.)	Notes
									Cleaned out ~22.8' of Grout out of protective casing before run #1 with roller bit.	
			9.2	1146 1152 1305 1320	2½/5 8.4	2.5	2.3 / 92%	0%	Banded dolomitic LS, light gray (N5) to dark gray (N3), hard, generally mod. to occasional severe weathering, solid surface, very-extremely fractured, planar, thinly bedded, fossiliferous, bores 1.05-1.60, 1.25-1.35, 1.445-1.465 Subhorizontal. /hor Fractures.	PID: 0.0 ppm
			11.7	0745 0806 0908 0843	4½/4.7 9.4	4.7	4.7 / 100%	25/4.7 53%	Banded LS, light gray (N5) to dark gray (N3), Hard, Slight - moderate weathering, Vuggy @ 2.1', moderately fractured, generally planer Fractures w/ occasional wavy, thinly Horizontal bedded, slightly porous, micritic, fossiliferous bands 0.3-0.4, 0.6, 1.1, 2.0, 2.55-2.65 3.6, 4.3, peloids @ 3.5. Flame structures @ 1.9, 3.25, 3.95 Ball & Pillar Structures from 1.8-1.95.	PID: 0.0 ppm
			16.4	0927 0955	2½/5.1 5.5	5.0	5.1 / 102%	4.5/5.0 90%	Banded LS, light gray (N5) to dark gray (N3). Hard, Slight - moderate Weathering, Vugs w/ recrystallization @ 1.85, moderately fractured, generally planar w/ some wavy fractures, thinly horizontal bedded, slight porosity, micritic, fossiliferous beds @ 1.05, 1.5-2.1, 2.5-2.8, 3.15, 4.1, 4.45. Flame structures 1.13, 3.95. 1.9-2.05 Series of rhythmic erosion & deposition, fossiliferous & undulatory to intervals of ~ 0.07'.	PID: 0.0 ppm
			21.5	1030 1054	2½/5.0	5.0	5.0/5.0 100%	5.0/5.0 100%	Banded LS, light gray (N5) to dark gray (N3). Hard, fresh - Slight weathering, Solid, Slight, planer fractures, thinly laminated bedding, no - Slight porosity, micritic, fossiliferous @ 1.7-2.3, 2.8-3.05, 3.8-4.05. Flame Structure 1.9, 2.9. Sewage odor.	PID: 0.0 ppm
			26.6							

1152 ⊗1152 Ripped here core barrell & sub - 7.5'

13:20 - Sheared NW5 Fract.

⊗1 - 11.7 topec.

⊗2 - 21.5 topec.

OBG

BEDROCK CORE LOG

Borehole ID: MW12-27
Job Number: 49512
Page: 2 of 2

Client:	NYSDEC	Drilling Contractor:	Parratt-Wolff, Inc.	Core Size:	HQ	Borehole Loc.:	Bomax
Project:	BOMAX SRI	Driller:	Lane Peck	Casing Dia. / Length:	4"	Northing:	
Purpose:	Well Installation	Observer:	Josh Perez	Orientation:	Vert.	Easting:	
Location:	Watertown, NY	Date Started:	12/10/18	Total Depth:		Ground Elev.:	
		Date Completed:	12/11/18	Static WL:		Datum:	

Formation	Member	Rock Type	Depth (ft.)	Run No.	Pen. Rate (min/ft.)	Penetration (ft.)	Recovery (ft. / %)	RQD (%)	LITHOLOGIC DESCRIPTION (include in order: Color, hardness, weathering, surface, rock quality, bedding, porosity, texture/fabric, minerals, ROCK TYPE.)	Notes
				1132					SEE LAST PAGE	
			26.4	1132	28/4.0 7.0	4.0	3.8/4.0 95%	3.6/4.0 90%	Banded LS. light gray (N5) to dk gray (N3). Very Hard Fresh - Slight weathering, Solid, Slight planar & occasional Hackly fractures, Thinly laminated, no - slight porosity, Micritic Fossiliferous @ 0.0-0.5, 0.8-1.05, 1.55-2.1, 2.4, 2.6, 2.7, 2.8-3.1. Occasional concretions, flame structure @ 0.8.	PID: 0.0 ppm
			30.4*	1200					END CORE @ 30.3' bgs.	

(*) Measured w/ Tape

OBG

BEDROCK CORE LOG

Borehole ID: MW12-28
Job Number: 49512.500.001
Page: 1 of 2

Client:	NYSDEC	Drilling Contractor:	Parratt-Wolff, Inc.	Core Size:	HQ	Borehole Loc.:	Watertown, NY
Project:	BOMAX SRI	Driller:	Lane Peck	Casing Dia. / Length:	4"	Northing:	
Purpose:	Well Installation	Observer:	Josh Perez	Orientation:	Vertical	Easting:	
Location:	Watertown, NY	Date Started:	12/20/18	Total Depth:		Ground Elev.:	
		Date Completed:		Static WL:		Datum:	

Formation	Member	Rock Type	Depth (ft.)	Run No.	Pen. Rate (min/ft.)	Penetration (ft.)	Recovery (ft. / %)	RQD (%)	LITHOLOGIC DESCRIPTION (include in order: Color, hardness, weathering, surface, rock quality, bedding, porosity, texture/fabric, minerals, ROCK TYPE.)	Notes
									Hand cleared to BRO ~1.7' bgs.	
									Set 4" casing to ~~6.5' bgs~~ 7.0' bgs.	
			7.0							
				0957	15/5.0	5.0	5.0/5.0	1.75/5.0	Bedrock ZS, Medium gge (MS) to Graphitic Shale (MS) shaley bands, generally hard, occasionally moderately hard in shaley regions, slight to moderate weathering, generally Sand w/ occasional ~~granule~~ recrystallized wisps, Extremely fractured, thinly laminated, slight (~10°) dipping, generally ~~ancient~~ fossiliferous @ 0.5-0.78, 1.6-1.8, 1.8-2.07, 2.6-2.75, 3.7-3.8, 4.8-4.85. Brachiopods & occasional corals.	PID: 0.3ppm
					3.0		10%	35%	Occasionally pelvidal.	
			12.0	1012						
				1027	15/5.0	5.0	4.8/5	3.9/4.8	As ABOVE. Fossiliferous @ 0.2-0.7, 1.25-1.29, 2.0-2.9, 3.2-3.6, 4.25-4.5. occasionally pelvidal. Brachiopods & occasional corals.	PID: 0.3ppm
					3.0		96%	79%		
			17.0	1042						
				1054	20/5.0	5.2	5.2/5.0	100%	As ABOVE. Moderately fractured. Fossiliferous @ 0.38-0.47, 1.0, 1.7-1.9, 1.54-1.6, 4.7-5.2.	PID: 0.6ppm
					4.0		100%	100%		
			22.0	1114						

OBG

BEDROCK CORE LOG

Borehole ID: MW12-28
Job Number: 49512
Page: 2 of 2

Formation	Member	Rock Type	Depth (ft.)	Run No.	Pen. Rate (min/ft.)	Penetration (ft.)	Recovery (ft. / %)	RQD (%)	LITHOLOGIC DESCRIPTION (include in order: Color, hardness, weathering, surface, rock quality, bedding, porosity, texture/fabric, minerals, ROCK TYPE.)	Notes
			22.0						RUN 3 - ↑↑	
				1132	15/5.0	5.0	4.8	100%	AS ABOVE. Moderately fractured. Bedding parallel occasional crinoids & Bryozoa. Fossil fragments @ 0.2-0.44, 0.8-0.92, 1.5-1.8, 2.1-2.3, 2.55-2.83, 3.2-3.64. Occasionally pelletal, occasional partially recrystallized veins.	PID: 0.4 ppm.
					3.0		96%			
			27.0	1147						
				1202	10/3	3.0	3.1	2.7/3.0	AS ABOVE. Fossil fragments @ 0.3-0.65, 0.82-0.94, 1.95-2.2, 3.0-3.1	PID: 0.6 ppm.
					3.3		103%	90%		
				1210						
									END @ 30.0' bgs.	

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-01**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 467.77

DATUM Ground Surface

DATE STARTED 10/29/2012

DATE FINISHED 10/29/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Medium dense, moist, grayish brown (5YR 3/2); SILT and F SAND, little to trace crushed stone and organics.		FILL	FILL	0.1	Analytical surface soil sample taken 0-4 ft bgs (SS12-01)
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 2.8'	465.8 2.0					
					Dense, moist, dark yellowish orange (10YR 6/6) to light brown (5YR 6/4); SILT, some clay, trace f sand.					
4							ML	SILT & CLAY	0.2	Analytical soil sample taken 4-6 ft bgs (SB12-01)
		GM-2	NA-NA-NA-NA (NA)	2.6'/ 2.6'	462.0 5.8					
6					461.9 Soft, moist, brownish gray (5YR 4/1); CLAY, some silt (weathered limestone). 5.9		CL			
					Weathered limestone.			LIMESTONE		
					461.2 6.6					
					Refusal at 6.6'. End of Borehole at 5.9'.					
8										
10										

Notes: Surface soil sample location: SS12-01

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-02**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 464.58

DATUM Ground Surface

DATE STARTED 10/29/2012

DATE FINISHED 10/29/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Medium dense, moist, grayish brown (5YR 3/2); SILT, some f sand and little clay, trace organics.			SOIL	0.3	Analytical surface soil sample taken 0-2 ft bgs (SS12-02)
					463.5 1.1					
					Dense, moist, moderate brown (5YR 4/4); CLAY, some silt, trace f sand and organics.					
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 2.3'			CL	SILT & CLAY		
4									0.4	
					458.9 5.7					
6		GM-2	NA-NA-NA-NA (NA)	4.0'/ 3.4'	Medium dense to soft, moist, dark yellowish brown (10YR 4/2); F SAND, some silt, little clay.		SP-SM			
					458.3 6.3					
					Dense, moist, grayish brown (5YR 3/2); SILT, f sand, some clay.		ML			
					457.2 7.4					
					Medium dense to soft, wet, grayish brown (5YR 3/2); SILT, some f sand and fmc subangular gravel, little clay.					
8									0.4	Analytical soil sample taken at 8-12 ft bgs (SB12-02)
10		GM-3	NA-NA-NA-NA (NA)	3.9'/ 3.4'			ML	SILT & SAND		
					452.7 11.9					
12										

Refusal at 11.9'.
End of Borehole at 11.9'.

Notes: Surface soil sample location: SS12-02. Temporary well TW12-01 installed. Well construction details: 0.010 1in. Screen (7-12 ft bgs), 1in. Riser (+3-7 ft bgs), #0 Sand filter pack (5-12 ft bgs), Bentonite seal (0-5 ft bgs)

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-03**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 466.18

DATUM Ground Surface

DATE STARTED 10/29/2012

DATE FINISHED 10/29/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 2.8'	Dense, moist, moderate brown (5YR 4/4) to grayish brown (5YR 3/2); SILT, some f sand, little clay, trace organics.		ML	SILT & SAND	0.0	Analytical soil sample taken from 0-4 ft bgs (SB12-03)
4					462.0 4.2					
		GM-2	NA-NA-NA-NA (NA)	2.8'/ 1.2'	Crushed limestone.			LIMESTONE	0.2	
6					459.4 6.8					
					Refusal at 6.8'. End of Borehole at 6.8'.					
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-04**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 465.59

DATUM Ground Surface

DATE STARTED 10/29/2012

DATE FINISHED 10/29/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 3.2'	Dense, moist, moderate brown (5YR 4/4) to grayish brown (5YR 3/2); SILT, some f sand, little clay, trace fmc crushed stone (0-1.1 ft bgs) and organics.		ML	SILT & SAND	0.0	Analytical surface soil sample taken 0-4 ft bgs (SS12-03)
4		GM-2	NA-NA-NA-NA (NA)	1.7'/ 1.7'					0.0	Analytical soil sample taken 4-6 ft bgs (SB12-04)
					459.9 5.7					
6					Refusal at 5.7'. End of Borehole at 5.7'.					
8										
10										

Notes: Surface soil sample location: SS12-03

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-05**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 462.68

DATUM Ground Surface

DATE STARTED 10/29/2012

DATE FINISHED 10/29/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		GM-1	NA-NA-NA-NA (NA)	3.3'/ 2.4'	Dense, moist, moderate brown (5YR 4/4) to grayish brown (5YR 3/2); SILT, some clay, trace f sand and organics. 459.4 3.3		ML	SILT & CLAY	NA	Analytical surface soil sample (VOC only) taken 0-0.5 ft bgs (SS12-04). Analytical soil sample taken 0.5-3.3 ft bgs (SB12-05)
4					Refusal at 3.3'. End of Borehole at 3.3'.					
6										
8										
10										

Notes: Surface soil sample location: SS12-04

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

BORING LOG

WELL NO. SB12-06

PROJECT:	Former Bomax Manufacturing Site
CLIENT:	NYSDEC
INSPECTOR:	Nate Vogan
DRILLING CONTRACTOR:	Geologic, Inc.
DRILLER:	Steve Laramie
PURPOSE:	Remedial Investigation
DRILLING METHOD:	Geoprobe 6600
DRILL RIG TYPE:	Geoprobe 6610DT

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

SHEET 1 OF 1

JOB NO. 49512.200.001

GROUND ELEV. 462.48

DATUM Ground Surface

DATE STARTED 10/29/2012

DATE FINISHED 10/29/2012

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Medium dense, moist, grayish brown (5YR 3/2); SILT, some f sand, little clay and organics.			TOPSOIL	0.0	Analytical soil sample 0-3.3 ft bgs (SB12-06)
					461.9 0.6					
					Loose, dry, light brownish gray (5YR 6/1); fmc subrounded GRAVEL, some fmc sand matrix.		FILL	FILL		
		GM-1	NA-NA-NA-NA (NA)	3.4'/ 2.6'	460.7 1.8					
2					Medium dense, moist to wet, dusky brown (5YR 2/2); SILT, some clay, trace organics.		ML	SILT & CLAY		
					459.1 3.4					
					Refusal at 3.4'. End of Borehole at 3.4'.					
4										
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-07**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 462.62
DATUM Ground Surface
DATE STARTED 10/29/2012
DATE FINISHED 10/29/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Medium dense, grayish brown (5YR 3/2); SILT, some f sand, little clay and organics. 462.1 — 0.5			TOPSOIL	NA	Analytical soil sample taken from 0-3.9 ft bgs (SB12-07)
					Loose, dry, light brownish gray (5YR 6/1); fmc subrounded GRAVEL, some fmc sand matrix. 461.1 — 1.5		FILL	FILL		
2		GM-1	NA-NA-NA-NA (NA)	3.9'/ 1.8'	Soft, moist to wet, dusky brown (5YR 3/2); SILT, some clay, trace organics. 458.7 — 3.9		ML	SILT & CLAY		
4					Refusal at 3.9'. End of Borehole at 3.9'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-08**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 463.63

DATUM Ground Surface

DATE STARTED 10/29/2012

DATE FINISHED 10/29/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Medium dense, moist, moderate brown (5YR 3/4); SILT, some clay and organics.			TOPSOIL	NA	Analytical soil sample taken from 0-4 ft bgs (SB12-08)
					462.4 1.2					
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 2.4'	Loose, dry, grayish brown (5YR 3/2); fmc subrounded GRAVEL, little fmc sand matrix.		FILL	FILL		
					459.7 3.9					
4					459.5 Dense, wet, grayish brown (5YR 3/2); SILT, some clay. 4.1		ML	SILT & CLAY		
					Refusal at 4.1'. End of Borehole at 4.1'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

BORING LOG

WELL NO. SB12-09

PROJECT:	Former Bomax Manufacturing Site
CLIENT:	NYSDEC
INSPECTOR:	Nate Vogan
DRILLING CONTRACTOR:	Geologic, Inc.
DRILLER:	Steve Laramie
PURPOSE:	Remedial Investigation
DRILLING METHOD:	Geoprobe 6600
DRILL RIG TYPE:	Geoprobe 6610DT

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

SHEET 1 OF 1

JOB NO. 49512.200.001

GROUND ELEV. 462.44

DATUM Ground Surface

DATE STARTED 10/29/2012

DATE FINISHED 10/29/2012

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		GM-1	NA-NA-NA-NA (NA)	3.4'/ 2.2'	Dense, moist, dusky brown (5YR 2/2); SILT, some clay, little organics. 461.9 – 0.5 Loose, moist, dark yellowish brown (10YR 4/2); fmc subrounded GRAVEL, little fmc sand matrix. 461.0 – 1.4 Dense, moist, dusky brown (5YR 2/2); SILT, some clay, trace f sand. 460.5 – 1.9 Medium dense, moist, moderate brown (5YR 4/4); SILT, some f sand, trace clay. 459.0 – 3.4 Refusal at 3.4'. End of Borehole at 3.4'.		FILL ML MLS	SOIL FILL SILT & CLAY & SAND	NA	Analytical soil sample taken from 0-4 ft bgs (SB12-09)

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-10**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 466.38
DATUM Ground Surface
DATE STARTED 10/30/2012
DATE FINISHED 10/30/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Dense, moist, dark yellowish brown (10YR 4/2); SILT, some clay, trace organics. 465.9 — 0.5			SOIL	0.0	Analytical surface soil sample taken from 0-2 ft bgs (SS12-05)
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 4.0'	Very dense, moist, moderate yellowish brown (10YR 5/4) to light brown (5YR 5/6); SILT, some clay, trace f sand and organics.		ML	SILT & CLAY		Analytical soil sample taken from 2-4 ft bgs (SB12-10). Field duplicate taken (SB12-FD01)
4		GM-2	NA-NA-NA-NA (NA)	1.2'/ 1.2'	461.2 — 5.2				0.0	
					Refusal at 5.2'. End of Borehole at 5.2'.					
6										
8										
10										

Notes: Surface soil sample location: SS12-05

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-11**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.45

DATUM Ground Surface

DATE STARTED 10/30/2012

DATE FINISHED 10/30/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					468.3 Crushed asphalt and stone. 0.2				0.0	
					Loose, moist to dry, pale brown (5YR 5/2); fmc SAND, some mc subrounded to subangular gravel.		FILL	FILL		
					467.6 0.9					
					Medium dense, moist, moderate yellowish brown (10YR 5/4); SILT, some clay, trace f sand; becoming soft and wet 2.8-3.0 ft bgs.					
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 3.0'			ML	SILT & CLAY		Analytical sample taken from 3-4.7 ft bgs (SB12-11)
4					464.3 4.2				0.0	
		GM-2	NA-NA-NA-NA (NA)	0.7'/ 0.7'	Crushed LIMESTONE.			LIMESTONE		
					463.8 4.7					
					Refusal at 4.7'. End of Borehole at 4.7'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-12**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.26

DATUM Ground Surface

DATE STARTED 10/30/2012

DATE FINISHED 10/30/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 1.6'	Loose, moist, pale brown (5YR 5/2); fm SAND and SILT; some fmc subangular gravel.		FILL		0.0	Analytical soil sample taken from 0-4 ft bgs (SB12-12)
4					464.3 4.0					
6		GM-2	NA-NA-NA-NA (NA)	4.0'/ 0.5'	Loose, saturated, medium dark gray (N4); fm GRAVEL (crushed limestone), no odor.			FILL	0.0	
8							FILL		0.0	
10		GM-3	NA-NA-NA-NA (NA)	4.0'/ 0.2'						
12		GM-4	NA-NA-NA-NA (NA)	0.6'/ 0.6'	455.7 12.6				0.0	
					Refusal at 12.6'. End of Borehole at 12.6'.					
14										
16										

Notes: Temporary well TW12-02 installed. Well construction details: 0.010 1in. Screen (+3-12.6 ft bgs).

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-13**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.54

DATUM Ground Surface

DATE STARTED 10/30/2012

DATE FINISHED 10/30/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Dense, moist, grayish brown (5YR 3/2); SILT and f SAND, little organics and trace crushed stone.			TOPSOIL	0.0	Analytical surface soil sample taken from 0-2 ft bgs (SS12-06). Field duplicate taken (SS12-FD01)
					467.8 0.7					
					Dense, moist, moderate yellowish brown (10YR 5/4); SILT, some clay, little f sand.					
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 3.3'			ML	SILT & CLAY		Analytical soil sample taken from 2-4 ft bgs (SB12-13)
4		GM-2	NA-NA-NA-NA (NA)	0.1'/ 0.1'	464.4 4.1 Refusal at 4.1'. End of Borehole at 4.1'.				0.0	
6										
8										
10										

Notes: Surface soil sample location: SS12-06

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-14**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.23

DATUM Ground Surface

DATE STARTED 10/30/2012

DATE FINISHED 10/30/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Dense, moist, grayish brown (5YR 3/2); SILT and f SAND, some clay, little crushed stone and organics.			TOPSOIL	0.0	Analytical soil sample taken from 0-4 ft bgs (SB12-14)
					467.3 0.9					
					Dense, wet, grayish brown (5YR 3/2); SILT, some clay, little f sand.					
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 0.9'			ML	SILT & CLAY		
4					463.9 4.3				0.0	
		GM-2	NA-NA-NA-NA (NA)	1.7'/ 1.7'	Weathered LIMESTONE.			LIMESTONE		
					462.5 5.7					
6					Refusal at 5.7'. End of Borehole at 5.7'.					
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-15**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.04

DATUM Ground Surface

DATE STARTED 10/30/2012

DATE FINISHED 10/30/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Medium dense, moist, grayish brown (5YR 3/2); SILT, little clay and f sand, trace subrounded gravel and crushed stone.			TOPSOIL	0.0	Analytical soil sample taken from 0-4 ft bgs (SB12-15)
					466.5 1.5					
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 2.3'	Medium dense, moist, moderate brown (5YR 4/4); SILT, little clay, trace f sand and organics.		ML	SILT & CLAY		
4					464.0 4.0					
					Refusal at 4.0'. End of Borehole at 4.0'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-16**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.11

DATUM Ground Surface

DATE STARTED 10/30/2012

DATE FINISHED 10/30/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Dense, moist, dusky brown (5YR 2/2); SILT, trace f sand and clay.			TOPSOIL	0.0	Analytical soil sample taken from 0-4 ft bgs (SB12-16)
					467.0 1.1					
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 2.5'	Medium dense to loose, moist, moderate yellowish brown (10YR 5/4); mf SAND, little c sand, trace f subrounded gravel.		SP	SAND		
4					464.1 4.0					
					Refusal at 4.0'. End of Borehole at 4.0'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-17**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.24
DATUM Ground Surface
DATE STARTED 10/30/2012
DATE FINISHED 10/30/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					468.0 Crushed ASPHALT. 0.2				0.0	Analytical soil sample taken from 0-4 ft bgs (SB12-17)
					Loose, dry, pale yellowish brown (10YR 6/2); fmc SAND and crushed stone.		FILL	FILL		
					467.1 1.1					
2		GM-1	NA-NA-NA-NA (NA)	3.9'/ 2.1'	Dense, moist, moderate brown (10YR 5/4) to moderate yellowish brown (10YR 5/4); SILT, some clay, little f sand.		ML	SILT & CLAY		
					464.3 3.9					
4					Refusal at 3.9'. End of Borehole at 3.9'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

BORING LOG

WELL NO. SB12-18

PROJECT:	Former Bomax Manufacturing Site
CLIENT:	NYSDEC
INSPECTOR:	Nate Vogan
DRILLING CONTRACTOR:	Geologic, Inc.
DRILLER:	Steve Laramie
PURPOSE:	Remedial Investigation
DRILLING METHOD:	Geoprobe 6600
DRILL RIG TYPE:	Geoprobe 6610DT

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

SHEET 1 OF 1

JOB NO. 49512.200.001

GROUND ELEV. 466.13

DATUM Ground Surface

DATE STARTED 10/30/2012

DATE FINISHED 10/30/2012

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Dense, moist, dusky brown (5YR 3/2); SILT, some clay, little organics.			TOPSOIL	0.0	
					464.5 1.6					
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 4.0'	Very dense, moist, moderate brown (5YR 4/4); SILT, some clay, trace organics, cohesive.		ML	SILT & CLAY		Analytical soil sample taken from 2-4 ft bgs (SB12-18)
4					461.8 4.3				0.0	
		GM-2	NA-NA-NA-NA (NA)	1.3'/ 1.3'	Dense, moist, dusky brown (5YR 2/2); CLAY, some silt (weathered bedrock).		CL			
					460.8 5.3					
6					Refusal at 5.3'. End of Borehole at 5.3'.					
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-19**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 466.27

DATUM Ground Surface

DATE STARTED 10/30/2012

DATE FINISHED 10/30/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Dense, moist, grayish brown (5YR 3/2); SILT, some clay, little organics and metal fragments. 465.8 0.5			FILL	0.7	Analytical surface soil sample taken from 0-2 ft bgs (SS12-07)
2		GM-1	NA-NA-NA-NA (NA)	3.7'/ 3.3'	Very dense, moist, moderate yellowish brown (10YR 5/4); SILT, some clay, trace organics. 462.6 3.7		ML	SILT & CLAY		Analytical soil sample taken from 2-4 ft bgs (SB12-19)
4					Refusal at 3.7'. End of Borehole at 3.7'.					
6										
8										
10										

Notes: Surface soil sample location: SS12-07

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-20**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

GROUND ELEV. 465.98

DATUM Ground Surface

DATE STARTED 10/30/2012

DATE FINISHED 10/30/2012

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					CONCRETE slab. 464.8 1.2			CONCRETE	0.4	Analytical soil sample taken from 0-2 ft bgs (SB12-20)
2		GM-1	NA-NA-NA-NA (NA)	2.9'/ 1.3'	Dense, dry, dusky brown (5YR 2/2); SILT, some f sand and mc gravel. 463.3 2.7		FILL	FILL		
					463.1 Medium dense, moist; SILT, some f sand, little clay. 2.9		ML	SILT & CLAY		
4					Refusal at 2.9'. End of Borehole at 2.9'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-21**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 465.07

DATUM Ground Surface

DATE STARTED 10/30/2012

DATE FINISHED 10/30/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Medium dense, moist, grayish brown (5YR 3/2); SILT, some f sand, little clay and organics, trace crushed stone.			TOPSOIL	0.5	Analytical soil sample taken from 0-1 ft bgs (SB12-21)
					464.2 0.9					
		GM-1	NA-NA-NA-NA (NA)	2.1'/ 1.4'	Crushed LIMESTONE.			LIMESTONE		
2					463.0 2.1					
					Refusal at 2.1'. End of Borehole at 2.1'.					
4										
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-22**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 464.08

DATUM Ground Surface

DATE STARTED 10/30/2012

DATE FINISHED 10/30/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Crushed ASPHALT and stone. 463.7 0.4				0.2	Analytical soil sample taken from 0-3 ft bgs (SB12-22)
2		GM-1	NA-NA-NA-NA (NA)	3.7'/ 1.6'	Dense, moist, grayish brown (5YR 3/2) to dusky brown (5YR 2/2); SILT, some clay and f sand, little crushed stone and brick. 460.4 3.7		FILL	FILL		
4					Refusal at 3.7'. End of Borehole at 3.7'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

BORING LOG

WELL NO. SB12-23

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 467.96
DATUM Ground Surface
DATE STARTED 10/30/2012
DATE FINISHED 10/30/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Dense, moist, grayish brown (5YR 3/2); SILT, some clay, little organics, trace f sand.			TOPSOIL	0.4	Analytical surface soil sample taken from 0-2 ft bgs (SS12-08)
					466.8 1.2					
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 2.3'	Dense, moist, moderate brown (5YR 4/4) SILT and CLAY with mixed crushed stone/cobbles.		FILL	FILL		
4					464.0 4.0					
		GM-2	NA-NA-NA-NA (NA)	1.2'/ 1.1'	Dense, moist, grayish brown (5YR 3/2) to dusky brown (5YR 2/2); SILT, some clay, trace f sand.		ML	SILT & CLAY	0.4	Analytical soil sample taken from 4-6 ft bgs (SB12-23)
					462.8 5.2					
					Refusal at 5.2'. End of Borehole at 5.2'.					
6										
8										
10										

Notes: Surface soil sample location: SS12-08

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-24**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 465.25

DATUM Ground Surface

DATE STARTED 10/30/2012

DATE FINISHED 10/30/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		GM-1	NA-NA-NA-NA (NA)	3.0'/ 1.8'	Dense, moist, grayish brown (5YR 3/2); SILT, some clay, little to trace organics, no odor. 462.3 3.0		ML	SILT & CLAY	0.6	Analytical soil sample taken from 0-3 ft bgs (SB12-24)
					Refusal at 3.0'. End of Borehole at 3.0'.					
4										
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-25**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.76
DATUM Ground Surface
DATE STARTED 10/31/2012
DATE FINISHED 10/31/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					CONCRETE 468.3 0.5			FILL	0.6	
					Loose, moist, to dry, moderate yellowish brown (10YR 5/4); fm SAND, trace subrounded gravel. 467.6 1.2		FILL			Analytical soil sample taken from 1-3 ft bgs (SB12-25)
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 2.7'	Dense, moist, moderate brown (5YR 4/4); SILT, some clay, trace f sand. 464.4 4.4		ML	SILT & CLAY		
4		GM-2	NA-NA-NA-NA (NA)	1.4'/ 0.9'	Weathered LIMESTONE. 463.4 5.4			LIMESTONE	1.0	
					Refusal at 5.4'. End of Borehole at 5.4'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-26**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.78

DATUM Ground Surface

DATE STARTED 10/31/2012

DATE FINISHED 10/31/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					CONCRETE slab. 468.3 0.5				1.3	
					Loose, dry, moderate yellowish brown (10YR 5/4); fm SAND, some c angular gravel and crushed stone. 467.1 1.7		FILL	FILL		Analytical soil sample taken from 1-4 ft bgs (SB12-26)
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 3.6'	Very dense, moist, dark yellowish brown (10YR 4/2); SILT, some clay. 464.7 4.1		ML	SILT & CLAY		
4		GM-2	NA-NA-NA-NA (NA)	0.6'/ 0.6'	Weathered LIMESTONE. 464.2 4.6			LIMESTONE	0.6	
					Refusal at 4.6'. End of Borehole at 4.6'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-27**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.8

DATUM Ground Surface

DATE STARTED 10/31/2012

DATE FINISHED 10/31/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					CONCRETE. 468.4 — 0.4				0.8	
					Loose, dry, moderate yellowish brown (10YR 5/4); mf SAND, some subrounded gravel. 467.4 — 1.4		FILL	FILL		Analytical soil sample taken from 1-4 ft bgs (SB12-27)
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 2.6'	Dense, moist, dusky brown (5YR 2/2); SILT, some clay, stiff.		ML	SILT & CLAY		
4		GM-2	NA-NA-NA-NA (NA)	0.7'/ 0.7'	464.1 — 4.7				0.8	
					Refusal at 4.7'. End of Borehole at 4.7'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

BORING LOG

WELL NO. SB12-28

PROJECT:	Former Bomax Manufacturing Site
CLIENT:	NYSDEC
INSPECTOR:	Nate Vogan
DRILLING CONTRACTOR:	Geologic, Inc.
DRILLER:	Steve Laramie
PURPOSE:	Remedial Investigation
DRILLING METHOD:	Geoprobe 6600
DRILL RIG TYPE:	Geoprobe 6610DT

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

SHEET 1 OF 1

JOB NO. 49512.200.001

GROUND ELEV. 468.8

DATUM Ground Surface

DATE STARTED 10/31/2012

DATE FINISHED 10/31/2012

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					CONCRETE 468.4 0.4				0.6	
					Loose, dry, moderate brown (10YR 5/4); mf SAND, some c subrounded to subangular gravel. 467.5 1.3		FILL	FILL		Analytical soil sample taken from 1-4 ft bgs (SB12-28)
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 2.3'	Dense, moist, moderate brown (5YR 4.4) to grayish brown (5YR 2/2); SILT, some clay, stiff, trace rusty colored mottling.		ML	SILT & CLAY		
4		GM-2	NA-NA-NA-NA (NA)	0.9'/ 0.9'	463.9 4.9				0.8	
					Refusal at 4.9'. End of Borehole at 4.9'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-29**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 467.08

DATUM Ground Surface

DATE STARTED 10/31/2012

DATE FINISHED 10/31/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		GM-1	NA-NA-NA-NA (NA)	3.7'/ 2.7'	Dense, moist, moderate brown (10YR 5/4) to moderate brown (5YR 4/4); SILT, some clay, trace organics, some rusty mottling. 463.4 3.7		ML	SILT & CLAY	0.2	Analytical soil sample taken from 1-3.7 ft bgs (SB12-29)
4					Refusal at 3.7'. End of Borehole at 3.7'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-30**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 467.55

DATUM Ground Surface

DATE STARTED 10/31/2012

DATE FINISHED 10/31/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Dense, moist, grayish brown (5YR 3/2); SILT, some f sand, little clay and organics, trace crushed stone and brick.		FILL	FILL	0.1	Analytical soil sample taken from 1-3.9 ft bgs (SB12-30). Field duplicate taken (SB12-FD02)
					465.8 1.8					
2		GM-1	NA-NA-NA-NA (NA)	3.9'/ 3.3'	Dense, moist, moderate brown (5YR 4/4) to moderate yellowish brown (10YR 5/4); SILT, some clay, trace f sand and subrounded gravel.		ML	SILT & CLAY		
					463.7 3.9					
4					Refusal at 3.9'. End of Borehole at 3.9'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-31**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 467.32

DATUM Ground Surface

DATE STARTED 10/31/2012

DATE FINISHED 10/31/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 2.4'	Dense, moist, grayish brown (5YR 3/2); SILT, some f sand, little clay and organics, trace crushed stone.		FILL	FILL	0.8	Analytical surface soil sample taken from 0-2 ft bgs (SS12-09)
4					462.6 4.7					
		GM-2	NA-NA-NA-NA (NA)	2.6'/ 1.7'	Soft, moist, dusky brown (5YR 2/2) to medium dark gray (N4); SILT, some clay, faint H2S odor.		ML	SILT & CLAY	0.8	Analytical soil sample taken from 4-6.6 ft bgs (SB12-31)
6					460.7 6.6					
					Refusal at 6.6'. End of Borehole at 6.6'.					
8										
10										

Notes: Surface soil sample location: SS12-09

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-32**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.82

DATUM Ground Surface

DATE STARTED 10/31/2012

DATE FINISHED 10/31/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					CONCRETE slab.				0.5	
					468.4 0.4					
2		GM-1	NA-NA-NA-NA (NA)	3.9'/ 1.3'	Medium dense, dry, moderate brown (5YR 4/4); fmc SAND, trace to little subrounded to subangular gravel.		FILL	FILL		Analytical soil sample taken from 1-3.9 ft bgs (SB12-32)
4					464.9 3.9					
					Refusal at 3.9'. End of Borehole at 3.9'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

BORING LOG

WELL NO. SB12-33

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.72
DATUM Ground Surface
DATE STARTED 10/31/2012
DATE FINISHED 10/31/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					468.4 CONCRETE slab. 0.3				0.6	
					Loose, dry; fmc SAND, little subangular to subrounded gravel fm gravel.		FILL	FILL		Analytical soil sample taken from 1-4 ft bgs (SB12-33)
					467.6 1.1					
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 2.3'	Dense, moist, moderate brown (5YR 4/4); SILT, some f sand, little clay, trace f subrounded gravel.		ML	SILT & SAND		
4		GM-2	NA-NA-NA-NA (NA)	0.2'/ 0.2'	464.7 4.0 464.5 LIMESTONE 4.2 Refusal at 4.0'. End of Borehole at 4.2'.			LIMESTONE	NA	
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-34**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.78

DATUM Ground Surface

DATE STARTED 10/31/2012

DATE FINISHED 10/31/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					CONCRETE slab. 468.4 0.4				0.4	
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 2.4'	Dense, dry, moderate brown (5YR 4/4); SILT, little f sand and clay, trace subrounded to subangular gravel.		ML	SILT & SAND & CLAY		Analytical soil sample taken from 1-4 ft bgs (SB12-34)
4		GM-2	NA-NA-NA-NA (NA)	1.1'/ 0.4'	463.7 5.1				0.1	
					Refusal at 5.1'. End of Borehole at 5.1'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-35**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.68

DATUM Ground Surface

DATE STARTED 10/31/2012

DATE FINISHED 10/31/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					CONCRETE slab. 468.2 0.5				11.4	
					Dense, dry, moderate brown (5YR 4/4); mf SAND and crushed stone. 467.5 1.2		FILL			Analytical soil sample taken from 1-3.8 ft bgs (SB12-35)
					467.3 Crushed COAL. 1.4			FILL		
2		GM-1	NA-NA-NA-NA (NA)	3.8'/ 2.3'	Dense, dry, moderate brown (5YR 4/4); mf SAND and crushed stone. 466.6 2.1		FILL			
					Dense, moist, dusky brown (5YR 2/2); SILT, some clay, trace f gravel, some chemical odor. 464.9 3.8		ML	SILT & CLAY		
4					Refusal at 3.8'. End of Borehole at 3.8'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

BORING LOG

WELL NO. SB12-36

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1
JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.56
DATUM Ground Surface
DATE STARTED 10/31/2012
DATE FINISHED 10/31/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					CONCRETE slab. 468.2 0.4				1.4	
					Loose, dry, crushed stone. 467.8 0.8		FILL	FILL		
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 1.9'	Dense, moist, moderate brown (5YR 3/4); SILT, little f sand and clay, trace fm subangular to subrounded gravel. Saturated at 4.1 ft bgs.		ML	SILT & CLAY		Analytical soil sample taken from 1-4.1 ft bgs (SB12-36)
4		GM-2	NA-NA-NA-NA (NA)	0.1'/ 0.1'	464.5 4.1 Refusal at 4.1'. End of Borehole at 4.1'.				NA	
6										
8										
10										

Notes: Temporary well TW12-03 installed. Well construction details: 0.010 1in. Screen (+2-4 ft bgs), , #0 Sand filter pack (0.5-4 ft bgs), Bentonite seal (0-0.5 ft bgs)

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-37**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

GROUND ELEV. 468.69

DATUM Ground Surface

DATE STARTED 10/31/2012

DATE FINISHED 10/31/2012

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					468.4 CONCRETE slab. 0.3				1.2	
					Dense, dry, grayish brown (5YR 3/2); fm SAND, some c sand, little crushed stone. 467.8 0.9		FILL	FILL		
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 3.1'	Very dense, moist, moderate brown (5YR 4/4); SILT, some sand, little clay, trace fm gravel (seam at 3.8-4.0 ft bgs).		ML	SILT & SAND		Analytical soil sample taken from 2-4.4 ft bgs (SB12-37)
4		GM-2	NA-NA-NA-NA (NA)	0.4'/ 0.4'	464.3 4.4				1.1	
					Refusal at 4.4'. End of Borehole at 4.4'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-38**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.78

DATUM Ground Surface

DATE STARTED 10/31/2012

DATE FINISHED 10/31/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					CONCRETE. 468.3 0.5				0.4	Analytical soil sample taken from 0-3.8 ft bgs (SB12-38)
					Crushed STONE. 467.9 0.9		FILL	FILL		
2		GM-1	NA-NA-NA-NA (NA)	3.8'/ 2.3'	Dense, moist, moderate brown (5YR 4/4) to grayish brown (5YR 3/2); SILT, some clay and f sand, little fmc subrounded to subangular gravel, no odor. 465.0 3.8		ML	SILT & CLAY		
4					Refusal at 3.8'. End of Borehole at 3.8'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-39**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

GROUND ELEV. 468.61

DATUM Ground Surface

DATE STARTED 10/31/2012

DATE FINISHED 10/31/2012

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					CONCRETE slab. 468.2 — 0.4				4.9	
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 2.6'	Medium dense, dry, moderate brown (5YR 4/4) to grayish brown (5YR 3/2); mf SAND, with some c sand and little mc subrounded gravel. 466.2 — 2.4		FILL	FILL		Analytical soil sample taken from 1-4 ft bgs (SB12-39)
4		GM-2	NA-NA-NA-NA (NA)	0.1'/ 0.1'	Soft, moist, grayish brown (5YR 3/2); SILT, some clay. 464.5 — 4.1		ML	SILT & CLAY		
					Refusal at 4.1'. End of Borehole at 4.1'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-40**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 465.48

DATUM Ground Surface

DATE STARTED 11/1/2012

DATE FINISHED 11/1/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Loose, dry, pale brown (5YR 5/2); crushed STONE and fmc SAND, some coal fragments.		FILL	FILL	0.0	Analytical soil sample taken from 1-3.9 ft bgs (SB12-40)
					463.9 1.6					
2		GM-1	NA-NA-NA-NA (NA)	3.9'/ 3.9'	Dense, moist, moderate brown (5YR 4/4); SILT, some clay, little f sand, trace f subrounded gravel.		ML	SILT & CLAY		
					461.8 3.7					
4					461.6 Crushed LIMESTONE. 3.9			LIMESTONE		
					Refusal at 3.9'. End of Borehole at 3.9'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

O'BRIEN & GERE

BORING LOG

WELL NO. **SB12-41**

PROJECT: Former Bomax Manufacturing Site
CLIENT: NYSDEC
INSPECTOR: Nate Vogan

SHEET 1 OF 1

JOB NO. 49512.200.001

DRILLING CONTRACTOR: Geologic, Inc.
DRILLER: Steve Laramie
PURPOSE: Remedial Investigation
DRILLING METHOD: Geoprobe 6600
DRILL RIG TYPE: Geoprobe 6610DT

GROUND ELEV. 468.7

DATUM Ground Surface

DATE STARTED 11/1/2012

DATE FINISHED 11/1/2012

	SAMPLE	CORE	CASING
TYPE	GM	---	---
DIA.	2"	---	---

DEPTH (ft)	Sample Type	Number	Blows/6" (N Value)	Penetration/ Recovery	MATERIAL DESCRIPTION	Graphic Log	USCS Symbol	Stratum Change	Field Testing PID (ppm)	REMARKS
					Loose, dry, pale brown (5YR 5/2); fmc SAND, some crushed stone and subrounded gravel, trace silt.		FILL	FILL	0.7	
					467.8 0.9					
					Dense, moist, moderate brown (5YR 4/4); SILT, some clay, trace f subrounded gravel, stiff.					Analytical soil sample taken from 1-4 ft bgs (SB12-41)
2		GM-1	NA-NA-NA-NA (NA)	4.0'/ 2.0'			ML	SILT & CLAY		
4		GM-2	NA-NA-NA-NA (NA)	1.3'/ 1.3'					NA	
					463.4 5.3					
					Refusal at 5.3'. End of Borehole at 5.3'.					
6										
8										
10										

Notes:

Report Name: OBG BORING LOG - USCS NON COMP Data Template: OBG GINT STD US BC.GDT

Appendix C

Well Development Logs

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: TW1-02

Date	12/6/12	Field Personnel	NJayn	Weather	~30° pCloudy
Site Name	Former Bomax Manufacturing	Contractor	OBG	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	peristaltic ~~Bailer~~		

Well information:

Depth to Bottom (Initial) *	14.67 ft.	Date(s) Installed		Date(s) Developed	12/6/12
Depth to Bottom (Final)*	14.68 ft.	Well condition	Good, New	Development Time	Start: 1352
Depth to Water (Initial)*	6.06 ft.	Well Diameter	1 in.		Stop: 1406
Depth to Water (Final)*	6.13 ft.	Casing Volume	gal.		
Length of Water Column (LWC)	8.61 ft.	Air Monitoring	NA	Development Method	~~Waterra~~ peristaltic
1 Well Volume (0.041xLWC)	0.35 gall.	Pump setting* (intake)	NA	* Measuring point	TOC

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm or µS/cm	Turbidity (NTU)	Approximate Flow Rate mL/min (gal/min)	Hydrometer	Depth to Water (ft.)
Start	0	10.15	7.29	0.307	379	375	—	NA
1	0.35	10.83	7.22	0.305	88.0	375	—	NA
2	0.7	10.98	7.18	0.304	27.3	375	—	NA
3	1.05	10.95	7.18	0.303	20.0	375	—	NA
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 1.1 gallons

Development Water Disposal Method: drum on-site

Physical appearance at start		Physical appearance at end	
Color	~~Brown~~ cloudy	Color	clear
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

NOTES: Low-flow sampling protocol immediately after well development - continuous pumping

Geologist Signature:

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: TW2-03

Date	12/6/12	Field Personnel	NVogan	Weather	~30° overcast
Site Name	Former Bomax Manufacturing	Contractor	OBG	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	~~Bailer~~ Peristaltic		

Well information:

Depth to Bottom (Initial) *	ft.	Date(s) Installed		Date(s) Developed	
Depth to Bottom (Final)*	ft.	Well condition	Good, New	Development Time	Start: 1640
Depth to Water (Initial)*	ft.	Well Diameter	1 in.		Stop: 1652
Depth to Water (Final)*	ft.	Casing Volume	gal.		
Length of Water Column (LWC)	0.5 ft.	Air Monitoring	NA	Development Method	~~Waterra~~ Peristaltic
1 Well Volume (0.041xLWC)	0.02 gall.	Pump setting* (intake)	NA	* Measuring point	TOC

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm or µS/cm	Turbidity (NTU)	Approximate Flow Rate ~~(gal/min)~~ mL/min	Hydrometer	Depth to Water (ft.)
Start	0	5.21	8.05	0.241	>999	200	—	NA
1	0.1	6.13	7.57	0.217	7999	200	—	NA
2	0.2	6.32	7.49	0.215	308	200	—	NA
3	0.3	6.36	7.40	0.214	99.5	200	—	NA
4	0.4	6.41	7.35	0.213	38.2	200	—	NA
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 0.5 gallons

Development Water Disposal Method: drum on-site

Physical appearance at start		Physical appearance at end	
Color	cloudy brown	Color	clear
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

NOTES: low flow protocol following well development + continuous pumping

Geologist Signature:

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: MW12-01

Date	11/27/12	Field Personnel	NVigen / Slavanis	Weather	~35° Snow
Site Name	Former Bomax Manufacturing	Contractor	OBG / Geologic	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	31.84 ft.	Date(s) Installed	11/15/12	Date(s) Developed	11/27 - 11/28/12
Depth to Bottom (Final)*	31.95 ft.	Well condition	Good, New	Development Time	Start:
Depth to Water (Initial)*	9.67 ft.	Well Diameter	4 in.		Stop:
Depth to Water (Final)*	27.14 ft.	Casing Volume	gal.		
Length of Water Column (LWC)	~~22.22~~ ft.	Air Monitoring	NA	Development Method	~~Waterra~~ Bailer
1 Well Volume (0.041xLWC)	14.4 gall.	Pump setting* (intake)	NA	* Measuring point	TOC

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm or µS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Hydrometer	Depth to Water (ft.)
Start	0	12.38	7.06	0.606	>1000	—	—	9.62
1	(W) ~~16~~	11.26	8.08	0.592	23.3	—	—	[redacted] 1996
2	22	10.54	7.92	0.565	>999	—	—	[redacted]
3								27.14
4								
5								
6								
7								
8								
9								
10								

11/28

Development Water Characteristics:

Total volume of Development water removed: 22 gallons

Development Water Disposal Method: 55 gallon drum, on-site

Physical appearance at start		Physical appearance at end	
Color	cloudy brown	Color	cloudy brown
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

NOTES: well baited dry, allowed to recover overnight for removal of ½ well volume

Geologist Signature:

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: MW-02

Date	11/27/12	Field Personnel	NVegna / SLevasseur	Weather	overcast ~35
Site Name	Former Bomax Manufacturing	Contractor	OBG / Geologex	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	31.69 ft.	Date(s) Installed	11/16/12	Date(s) Developed	11/27/12
Depth to Bottom (Final)*	ft.	Well condition	Good, New	Development Time	Start: 1348
Depth to Water (Initial)*	23.97 ft.	Well Diameter	2 in.		Stop: 1600
Depth to Water (Final)*	ft.	Casing Volume	gal.		
Length of Water Column (LWC)	7.72 ft.	Air Monitoring	NA	Development Method	~~Waterra~~ Baker
1 Well Volume (~~0.041~~ .163 x LWC)	1.25 gall.	Pump setting* (intake)	NA	* Measuring point	TOC

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm or µS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Hydrometer	Depth to Water (ft.)
Start	0	11.04	7.57	0.604	>1000	—	—	—
1	1.25	10.06	7.40	0.592	>1000	—	—	—
2	2.5	~~8~~ (NM)	~~7.00~~ (NM)	(NM)	(NM)	—	—	—
3	3.75	10.10	7.64	0.613	85	—	—	—
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 4 gallons

Development Water Disposal Method: Drum on-site

Physical appearance at start		Physical appearance at end	
Color	cloudy brown	Color	cloudy
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

NOTES: Baled dry after 2 vv; allow to recover for 3rd - good recovery rate

Geologist Signature:

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: MW12-03

Date	11/27/12	Field Personnel	NVojen / SLawrence	Weather	overcast ~35°
Site Name	Former Bomax Manufacturing	Contractor	OBG / Geologist	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	31.82 ft.	Date(s) Installed	11/19/12	Date(s) Developed	11/27/12 - 11/28/12
Depth to Bottom (Final)*	31.87 ft.	Well condition	Good, New	Development Time	Start: 1100
Depth to Water (Initial)*	8.28 ft.	Well Diameter	4 in.		Stop:
Depth to Water (Final)*	27.91 ft.	Casing Volume	gal.		
Length of Water Column (LWC)	23.54 ft.	Air Monitoring	NA	Development Method	~~Waterra~~ Bailer
1 Well Volume (~~0.041~~ x LWC) 0.65	15.3 gall.	Pump setting* (intake)	NA	* Measuring point	TOC

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm or µS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Hydrometer	Depth to Water (ft.)
Start	0	11.10	7.52	0.610	80	—	—	—
1139 1	15	12.00	6.99	0.592	>1000	—	—	28.79
11/28 2	[redacted]	11.30	7.85	0.913	50	—	—	22.8
3	[redacted] 23	11.97	7.90	0.910	>1000	—	—	27.91
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 23 gallons

Development Water Disposal Method: drum on site

Physical appearance at start		Physical appearance at end	
Color	clear	Color	cloudy
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

NOTES:

- bail to surge then switch to peristaltic
- unable to pump high + maintain water column
- bail dry; allow to recover and bailed dry x2 for 1.5 wv total

Geologist Signature: [signature]

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: MW12-04

Date	11/27/12	Field Personnel	NJagan / SLaramie	Weather	Sunny ~30°
Site Name	Former Bomax Manufacturing	Contractor	OBG/Geologic	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	whale ~~Bailer~~ pump		

Well information:

Depth to Bottom (Initial) *	31.79 ft.	Date(s) Installed	11/20/12	Date(s) Developed	11/27/12 - 11/28/12
Depth to Bottom (Final)*	ft.	Well condition	Good, New	Development Time	Start: 1000
Depth to Water (Initial)*	5.71 ft.	Well Diameter	4 in.		Stop:
Depth to Water (Final)*	28.71 ft.	Casing Volume	gal.		
Length of Water Column (LWC)	26.08 ft.	Air Monitoring	NA	Development Method	~~Waterra~~ Bailer
1 Well Volume (~~0.041~~ 0.65 x LWC)	17 gall.	Pump setting* (intake)	NA	* Measuring point	TOC

Well Volumes	Volume of Water Removed (Gallons)	±3% Temperature °C	±.1 pH s.u	±3% Conductivity (mS/cm or µS/cm)	≤50 Turbidity (NTU)	Approximate Flow Rate (gal/min)	~~Hydrometer~~	Depth to Water (ft.)
Start	0	10.81	9.10	0.663	>999	—	—	5.71
1	~~5~~	11.00	8.04	0.562	800	1 gpm	—	15.31
2	~~7~~	10.75	8.36	0.532	17	—	—	15.31
3	25	10.74	8.05	0.518	>999	—	—	28.71
4								
5								
6								
7								
8								
9								
10								

11/28

Development Water Characteristics:

Total volume of Development water removed: 25 gallons

Development Water Disposal Method: Drum on site

Physical appearance at start		Physical appearance at end	
Color	slightly cloudy	Color	cloudy
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

NOTES:

- Bail dry, allow to recover overnight and bail dry 2nd time for 1-5 well volumes

Geologist Signature:

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: MW12-05

Date	11/28/12	Field Personnel	NNguyen / SLavanier	Weather	Snow ~35°
Site Name	Former Bomax Manufacturing	Contractor	OBG / Geologix	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	32.02 ft.	Date(s) Installed	11/27/12	Date(s) Developed	11/28/12 - 11/29/12
Depth to Bottom (Final)*	32.02 ft.	Well condition	Good, New	Development Time	Start:
Depth to Water (Initial)*	8.59 ft.	Well Diameter	4 in.		Stop:
Depth to Water (Final)*	30.51 ft.	Casing Volume	gal.		
Length of Water Column (LWC)	23.43 ft.	Air Monitoring	NA	Development Method	~~Waterra~~ Bailer
1 Well Volume (0.041xLWC)	15.2 gall.	Pump setting* (intake)	NA	* Measuring point	TOC

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm or µS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Hydrometer	Depth to Water (ft.)
11/28 1200 Start	0	8.98	8.22	0.546	>999	-	-	8.59
1	14	9.31	8.00	0.531	>999	-	-	28.19
11/29 1230 2	14	9.01	8.78	0.679	>999	-	-	26.56
3	18	9.87	8.71	6.666	>999	-	-	30.51
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 18 gallons

Development Water Disposal Method: Drum on site

Physical appearance at start		Physical appearance at end	
Color	cloudy brown	Color	cloudy
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

NOTES:

- only 2ft recovery in 24 hours; bailed dry twice
- will complete well development by bailing dry prior to sampling

Geologist Signature:

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: MW12-06

Date	11/28/12	Field Personnel	Nugent / Slaviniz	Weather	Snow ~32°
Site Name	Former Bomax Manufacturing	Contractor	OBG / Geologic	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	32.06 ft.	Date(s) Installed	11/20/12	Date(s) Developed	11/28/12 - 11/29/12
Depth to Bottom (Final)*	32.06 ft.	Well condition	Good, New	Development Time	Start: 1020
Depth to Water (Initial)*	8.18 ft.	Well Diameter	4 in.		Stop: 1159
Depth to Water (Final)*	ft.	Casing Volume	gal.		
Length of Water Column (LWC)	23.88 ft.	Air Monitoring	NA	Development Method	~~Waterra~~ Bailer
1 Well Volume (~~0.041~~ 0.66 x LWC)	15.5 gall.	Pump setting* (intake)	NA	* Measuring point	TOC

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm or µS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Hydrometer	Depth to Water (ft.)
11/28 Start	0	10.53	7.94	0.646	7999	—	—	8.18
10:45 1	15	10.18	7.95	0.593	7999	—	—	27.67
11:59 2	15	11.63	8.10	0.588	>999	—	—	11.77
11:30 3	27	10.54	8.26	0.836	7999	—	—	30.74
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 27 gallons

Development Water Disposal Method: Drum on-site

Physical appearance at start

Color: cloudy brown

Odor: no

Sheen/Free Product: no

Physical appearance at end

Color: cloudy

Odor: no

Sheen/Free Product: no

NOTES: Bail dry, allow to recover overnight and bail dry again for 1.5 well volumes

Geologist Signature:

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: MW2-07

Date	10/22/13	Field Personnel	NWV	Weather	45° Rain
Site Name	Bomax	Contractor	GeoLogic, Inc./OBG	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	28.95 ft.	Date(s) Installed	10/16/13	Date(s) Developed	10/22/13
Depth to Bottom (Final)*	28.96 ft.	Well condition	new	Development Time	Start: 1110
Depth to Water (Initial)*	24.01 ft.	Well Diameter	2 in.		Stop: 1115
Depth to Water (Final)*	28.11 ft.	Casing Volume	gal.		
Length of Water Column (LWC)	4.94 ft.	Air Monitoring	NA	Development Method	Bailer
1 Well Volume (~~0.500~~ 0.163 xLWC)	0.8 gall.	Pump setting* (intake)	NA	* Measuring point	TOC

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm or µS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Hydrometer	Depth to Water (ft.)
Start	0	10.87	9.86	0.343	>1000	-	-	24.01
1	1	10.93	9.73	0.325	>1000	-	-	25.74
2	2	11.03	9.41	0.330	>1000	-	-	27.12
3	3	10.92	9.22	0.333	>1000	-	-	28.11
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 3 gallons

Development Water Disposal Method: contained for analysis

Physical appearance at start		Physical appearance at end	
Color	cl. gray	Color	cl. gray
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

NOTES:

Geologist Signature:

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: MW12-08

Date	10/22/13	Field Personnel	NWV	Weather	45° Rain
Site Name	Bomax	Contractor	GeoLogic, Inc./OBG	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	29.96 ft.	Date(s) Installed	10/17/13	Date(s) Developed	10/22
Depth to Bottom (Final)*	29.97 ft.	Well condition	new	Development Time	Start: 0820
Depth to Water (Initial)*	4.11 ft.	Well Diameter	3.5 in.		Stop: 1427
Depth to Water (Final)*	28.91 ft.	Casing Volume	gal.		
Length of Water Column (LWC)	25.85 ft.	Air Monitoring	NA	Development Method	Bailer
1 Well Volume (0.500xLWC)	12.5 gall.	Pump setting* (intake)	NA	* Measuring point	TOC

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm or µS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Hydrometer	Depth to Water (ft.)
Start	1	12.82	9.85	0.669	71000	NA	—	4.11
1	12.5	11.95	10.44	0.699	71000	NA	—	28.51
2	20.5	15.17	8.50	0.856	>1000	NA	—	28.42
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 20.5 gallons

Development Water Disposal Method: contained for analysis

Physical appearance at start

Color: cl. gray

Odor: no

Sheen/Free Product: no

Physical appearance at end

Color: sl. cloudy

Odor: no

Sheen/Free Product: no

NOTES: 1400 DTW at 15.69 ft btoc purge dry again clear water column

Geologist Signature:

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: MW12-09

Date	10/22/13	Field Personnel	NWV	Weather	45° Clear
Site Name	Bomax	Contractor	GeoLogic, Inc./OBG	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	29.93 ft.	Date(s) Installed	10/17/13	Date(s) Developed	10/22, 10/23
Depth to Bottom (Final)*	ft.	Well condition	new	Development Time	Start: 0937
Depth to Water (Initial)*	10.95 ft.	Well Diameter	3.5 in.		Stop:
Depth to Water (Final)*	ft.	Casing Volume	gal.		
Length of Water Column (LWC)	18.98 ft.	Air Monitoring	NA	Development Method	Bailer
1 Well Volume (0.500xLWC)	9.5 gall.	Pump setting* (intake)	NA	* Measuring point	TOC

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm or µS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Hydrometer	Depth to Water (ft.)
Start	1	11.90	11.18	0.540	>1000	-	-	11.57
1	9.5	11.96	11.36	0.612	>1000	-	-	28-32
2	14.0	12.51	9.13	0.556	>1000	-	-	28.27
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 14 gallons

Development Water Disposal Method: contained for analysis

Physical appearance at start		Physical appearance at end	
Color	cl. gray	Color	sl. cloudy
Odor	no	Odor	sulfur
Sheen/Free Product	no	Sheen/Free Product	no

NOTES: 1456 DTW at 26.52, allow to recover overnight
10/23 0943 DTW at 21.63, bail dry 50% recovered
clear water column

Geologist Signature:

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: MW17-10

Date	10/21/13	Field Personnel	NWV	Weather	~45° rain
Site Name	Bomax	Contractor	GeoLogic, Inc./OBG	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	29.31 ft.	Date(s) Installed	10/21/13	Date(s) Developed	10/22
Depth to Bottom (Final)*	29.415 ft.	Well condition	new	Development Time	Start: 1010
Depth to Water (Initial)*	8.96 ft.	Well Diameter	3.5 in.		Stop: 1325
Depth to Water (Final)*	27.61 ft.	Casing Volume	gal.		
Length of Water Column (LWC)	20.35 ft.	Air Monitoring	NA	Development Method	Bailer
1 Well Volume (0.500xLWC)	10.2 gall.	Pump setting* (intake)	NA	* Measuring point	TOC

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm or µS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Hydrometer	Depth to Water (ft.)
Start	1	11.70	11.97	2.28	>1000	-	-	10.1
1	10.2	12.40	12.01	1.90	>1000	-	-	27.58
2	22.5	13.39	8.63	1.01	364	-	-	27.61
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 22.5 gallons

Development Water Disposal Method: contained for analysis

Physical appearance at start		Physical appearance at end	
Color	cl. gray	Color	sl. cloudy
Odor	no	Odor	sulfur
Sheen/Free Product	no	Sheen/Free Product	no

NOTES: 1502 DTW at 10.47 ft 6 gpm, purge dry
1522

Geologist Signature:

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: MW-12-11

Date	10/22/13	Field Personnel	NWV	Weather	
Site Name	Bomax	Contractor	GeoLogic, Inc./OBG	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	27.85 ft.	Date(s) Installed	10/21/13	Date(s) Developed	10/22
Depth to Bottom (Final)*	28.98 ft.	Well condition		Development Time	Start: 1030
Depth to Water (Initial)*	14.58 ft.	Well Diameter	2 in.		Stop: 1051
Depth to Water (Final)*	27.82 ft.	Casing Volume	gal.		
Length of Water Column (LWC)	13.27 ft.	Air Monitoring	NA	Development Method	Bailer
1 Well Volume (0.500xLWC)	6.6 gall.	Pump setting*	NA	* Measuring point	TOC
0.163	2.2	(intake)			

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm or µS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Hydrometer	Depth to Water (ft.)
Start	1	12.61	8.98	2.75	>1000	—	—	15.25
1	2.2	13.25	8.72	2.67	>1000	—	—	17.29
2	4.4	13.16	8.27	2.52	>1000	—	—	19.18
3	6.6	12.63	8.35	2.54	>1000	—	—	26.42
4	10.0	12.35	8.07	2.58		—	—	27.82
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 10.0 gallons

Development Water Disposal Method: contained for analysis

Physical appearance at start		Physical appearance at end	
Color	cl. gray	Color	cl. white
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

NOTES:

Geologist Signature:

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: MW12-12

Date	10/22/13	Field Personnel	NWV	Weather	45° cloudy
Site Name	Bomax	Contractor	GeoLogic, Inc./OBG	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	29.73 ft.	Date(s) Installed	10/18/13	Date(s) Developed	10/22 - 10/23
Depth to Bottom (Final)*	29.73 ft.	Well condition	new	Development Time	Start: 0857
Depth to Water (Initial)*	11.47 ft.	Well Diameter	3.5 in.		Stop: 1035
Depth to Water (Final)*	29.1 ft.	Casing Volume	gal.		
Length of Water Column (LWC)	18.26 ft.	Air Monitoring	NA	Development Method	Bailer
1 Well Volume (0.500xLWC)	9.1 gall.	Pump setting* (intake)	NA	* Measuring point	TOC

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm or µS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Hydrometer	Depth to Water (ft.)
Start	1	12.35	10.43	0.306	71000	NA	—	12.1
1	9.1	11.97	10.97	0.378	71000	NA	—	28.02
2	14.0	11.61	9.01	0.535	71000	NA	—	28.41
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 14.0 gallons

Development Water Disposal Method: contained for analysis

Physical appearance at start

Color: cl. gray

Odor: no

Sheen/Free Product: no

Physical appearance at end

Color: sl. cloudy

Odor: no

Sheen/Free Product: no

NOTES:

DTW on 10/22 1450 26.49 ft btoc

DTW on 10/23 1010 22.84 ft btoc

- little inflow 50% recovered, bail dry
- clear water column

Geologist Signature:

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: MW12-13

Date	2/6/14	Field Personnel	NWV	Weather	20° Lsnow
Site Name	Bomax RIFS	Contractor	OBG	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	32.78 ft.	Date(s) Installed	2/2/14	Date(s) Developed	2/6
Depth to Bottom (Final)*	32.85 ft.	Well condition	new	Development Time	Start: 1458
Depth to Water (Initial)*	10.37 ft.	Well Diameter	4 in.		Stop: 1532
Depth to Water (Final)*	31.82 ft.	Casing Volume	gal.		
Length of Water Column (LWC)	22.41 ft.	Air Monitoring	NA	Development Method	Bailer
1 Well Volume (~~0.163~~ as xLWC)	11.2 gall.	Pump setting* (intake)	NA	* Measuring point	TOC

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm or µS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Hydrometer	Depth to Water (ft.)
Start	0	7.59	9.19	0.425	>1000	–	–	10.37
1	12	6.12	10.44	0.469	>1000	–	–	31.82
2								
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 12 gallons

Development Water Disposal Method: contained for analysis

Physical appearance at start		Physical appearance at end	
Color	cl. brown	Color	cl. brown
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

NOTES: Bailer dry on 2/6

Geologist Signature:

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: MW12-14

Date	2/6/14	Field Personnel	NWV	Weather	20° Snow
Site Name	Bomax RIFS	Contractor	OBG	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	27.53 ft.	Date(s) Installed	2/4/13	Date(s) Developed	2/6/14
Depth to Bottom (Final)*	ft.	Well condition	new	Development Time	Start: 1555
Depth to Water (Initial)*	24.94 ft.	Well Diameter	2 in.		Stop: 1612
Depth to Water (Final)*	ft.	Casing Volume	gal.		
Length of Water Column (LWC)	2.59 ft.	Air Monitoring	NA	Development Method	Bailer
1 Well Volume (0.163xLWC)	0.4 gall.	Pump setting* (intake)	NA	* Measuring point	TOC

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm or µS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Hydrometer	Depth to Water (ft.)
Start	0	6.34	8.64	4.40	71000	-	-	24.94
1	0.5	7.76	8.49	4.42	>1000	-	-	"
2	1.5	8.09	8.17	4.45	>1000	-	-	"
3	2.5	8.08	7.93	4.36	>1000	-	-	"
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 2.5 gallons

Development Water Disposal Method: contained for analysis

Physical appearance at start		Physical appearance at end	
Color	cl. brown	Color	cl. brown
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

NOTES:

Geologist Signature:

O'BRIEN & GERE ENGINEERS, INC

WELL DEVELOPMENT LOG

Well ID: MW12-15

Date	2/6/14	Field Personnel	NWV	Weather	20° H Snow
Site Name	Bomax RIFS	Contractor	OBG	Project No.	8653.49512
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	~~27.53~~ 32.42 ft.	Date(s) Installed	2/6/14	Date(s) Developed	2/6/14
Depth to Bottom (Final)*	32.45 ft.	Well condition	new	Development Time	Start: 1627
Depth to Water (Initial)*	7.58 ft.	Well Diameter	4 in.		Stop: 1705
Depth to Water (Final)*	30.53 ft.	Casing Volume	gal.		
Length of Water Column (LWC)	24.86 ft.	Air Monitoring	NA	Development Method	Bailer
1 Well Volume (~~0.163~~ 0.5 xLWC)	12.9 gall.	Pump setting* (intake)	NA	* Measuring point	TOC

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity (mS/cm or µS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Hydrometer	Depth to Water (ft.)
Start	0	6.97	11.03	6.97	>1000	-	-	7.58
1	13	4.74	12.03	4.74	>1000	-	-	30.53
2								
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 13 gallons

Development Water Disposal Method: contained for analysis

Physical appearance at start		Physical appearance at end	
Color	cloudy gray	Color	sl. cloudy gray
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

NOTES: Baled dry on 2/6

Geologist Signature:

O'BRIEN & GERE

WELL DEVELOPMENT LOG

Well ID: MW-12-16

Date	11-11-15	Field Personnel	CW/AF	Weather	Sunny 57°F
Site Name	BOMAX	Contractor		Project No.	
Site Location	Watertown	Evacuation Method	Bailed		

Well information:

Depth to Bottom (Initial) *	29.60 ft.	Date(s) Installed		Date(s) Developed	11-11-15
Depth to Bottom (Final)*	29.60 ft.	Well Condition		Development Time	Start: 1000
Depth to Water (Initial)*	3.36 ft.	Well Diameter	4-inch		Stop: 1115
Depth to Water (Final)*	29.10 ft.	Casing Volume	gal.		Total: 75 min
Length of Water Column (LWC)	26.24 ft.	Air Monitoring		Development Method	
1 Well Volume (LWC x Multiplier)	17.06 ft.	Pump setting (intake)	ft bmp	† Measuring point	

Well Volumes	Depth to Water (ft.)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Water Volume Purged (Gallons)	Appearance of Water
Start	3.90	13.3	-	3.40	167	-	0	cloudy
1	27.50	11.1	12.50	3.95	21,000	-	-	cloudy
	29.50	-	-	-	-	-	-	oily
11-12-15	28.32							

Development Water Characteristics:

Total volume of Development water removed: ~19 gall

Development Water Disposal Method: 5-gall bucket

Physical appearance at start

Color: cloudy
Odor: NSO
Sheen/Free Product: NO

Physical appearance at end

Color: cloudy
Odor: NO
Sheen/Free Product: NO

NOTES: - well purged dry after 1 well vol.

Geologist Signature:

O'BRIEN & GERE

WELL DEVELOPMENT LOG

Well ID: MW-12-17

Date	11-10-15	Field Personnel	CW/AF	Weather	cloudy 50°F
Site Name	BOMAX	Contractor		Project No.	
Site Location	WATERTOWN, NY	Evacuation Method	Bailed		

Well information:

Depth to Bottom (Initial) *	29.75	ft.	Date(s) Installed			Date(s) Developed	11-11-15
Depth to Bottom (Final)*	29.82	ft.	Well Condition			Development Time	Start: 1445
Depth to Water (Initial)*	6.80	ft.	Well Diameter	4"			Stop: 1550
Depth to Water (Final)*	29.60	ft.	Casing Volume		gal.		Total: 65 min
Length of Water Column (LWC)	22.95	ft.	Air Monitoring			Development Method	
1 Well Volume (LWC x Multiplier)	14.92	ft.	Pump setting (intake)		ft bmp	† Measuring point	

Well Volumes	Depth to Water (ft.)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Water Volume Purged (Gallons)	Appearance of Water
Start	7.00	13.2	7.94	0.68	>1,000	-	0	cloudy
1	26.30	11.3	7.90	0.52	>1,000			"
	29.60	-	-	-	-	-	-	DRY
11-12-15	28.90							

Development Water Characteristics:

Total volume of Development water removed: ~16 gall

Development Water Disposal Method: 5-gall bucket

Physical appearance at start		Physical appearance at end	
Color	cloudy	Color	cloudy
Odor	ND	Odor	ND
Sheen/Free Product	ND	Sheen/Free Product	ND

NOTES: well went dry after 1 well volume

Geologist Signature:

O'BRIEN & GERE

WELL DEVELOPMENT LOG

Well ID: MW-12-18

Date	11-10-15	Field Personnel	CW / AF	Weather	cloudy 55°F
Site Name	BOMAX	Contractor		Project No.	49512
Site Location	WATERTOWN	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	28.90 ft.	Date(s) Installed		Date(s) Developed	11-10-15		
Depth to Bottom (Final)*	28.90 ft.	Well Condition		Development Time	Start:	1400	
Depth to Water (Initial)*	8.45 ft.	Well Diameter	2"		Stop:	1430	
Depth to Water (Final)*	28.80 ft.	Casing Volume	gal.		Total:	30	
Length of Water Column (LWC)	20.45 ft.	Air Monitoring		Development Method	Bailer		
1 Well Volume (LWC x Multiplier)	3.33 ft.	Pump setting (intake)	ft bmp	† Measuring point	PVC		

Well Volumes	Depth to Water (ft.)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Water Volume Purged (Gallons)	Appearance of Water
Start	8.95	11.1	7.95	0.45	>1,000	-	0	cloudy
1	15.40	13.5	8.05	0.47	>1,000	-	-	cloudy
2	25.7	11.8	8.32	0.65	>1,000	-	-	"
-	28.80	-	-	-	-	-	-	DRY
11-11-15	8.60	TIME-0900	-0930					
1	17.2	12.6	8.15	0.21	>1,000	-	-	cloudy
2	27.10	11.5	8.15	0.49	658	-	-	
	28.90	-	-	-	-	-	-	DRY
11-12-15	8.69							

Development Water Characteristics:

Total volume of Development water removed: ~7 gall

Development Water Disposal Method: 5-gall buckets

Physical appearance at start		Physical appearance at end	
Color	cloudy	Color	cloudy
Odor	ND	Odor	ND
Sheen/Free Product	NO	Sheen/Free Product	NO

NOTES:

- WELL WENT DRY AFTER OVER 2 WELL VOLUMES ON 11-10
- WELL PURGED DRY AFTER 2 WELL VOLUMES ON 11-11

Geologist Signature:

O'BRIEN & GERE

WELL DEVELOPMENT LOG

Well ID: MW-12-19

Date	11-11-15	Field Personnel	CN/AF	Weather	Sunny 60°F
Site Name	BOMAX	Contractor		Project No.	
Site Location	WATERTOWN	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	29.50	ft.	Date(s) Installed		Date(s) Developed	11-11-15	
Depth to Bottom (Final)*	29.50	ft.	Well Condition		Development Time	Start:	1220
Depth to Water (Initial)*	3.50	ft.	Well Diameter	4-inch		Stop:	1330
Depth to Water (Final)*	29.30	ft.	Casing Volume	gal.		Total:	
Length of Water Column (LWC)	26.0	ft.	Air Monitoring		Development Method		
1 Well Volume (LWC x Multiplier)	17.0	ft.	Pump setting (intake)	ft bmp	† Measuring point		

Well Volumes	Depth to Water (ft.)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Water Volume Purged (Gallons)	Appearance of Water
Start	3.50	14.7	12.74	1.21	181	–	0	Cloudy
1	25.6	15.2	12.20	1.33	>1000	–	–	"
	29.30	–	–	–	–	–	–	Dry
11-12-15	9.22							

Development Water Characteristics:

Total volume of Development water removed: ~19 Gall

Development Water Disposal Method: Ground Surface

Physical appearance at start		Physical appearance at end	
Color	Cloudy	Color	Light brown
Odor	NO	Odor	NO
Sheen/Free Product	NO	Sheen/Free Product	NO

NOTES: -well purged dry after over 1 well volume on 11-11

Geologist Signature:

O'BRIEN & GERE

WELL DEVELOPMENT LOG

Well ID: MW-12-20

Date	11-11-15	Field Personnel	CJV/AF	Weather	cloudy 50°F
Site Name	BOMAX	Contractor		Project No.	
Site Location	WATERTOWN	Evacuation Method	Bailed		

Well information:

Depth to Bottom (Initial) *	29.80 ft.	Date(s) Installed		Date(s) Developed	11-11-15
Depth to Bottom (Final)*	29.85 ft.	Well Condition		Development Time	Start: 1400
Depth to Water (Initial)*	6.20 ft.	Well Diameter	4-inch		Stop: 1525
Depth to Water (Final)*	29.50 ft.	Casing Volume	gal.		Total:
Length of Water Column (LWC)	23.60 ft.	Air Monitoring		Development Method	Bailed
1 Well Volume (LWC x Multiplier)	14.94 ft.	Pump setting (intake)	ft bmp	† Measuring point	

Well Volumes	Depth to Water (ft.)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Water Volume Purged (Gallons)	Appearance of Water
Start	6.20	12.4	10.94	2.26	294	-	0	cloudy
1	26.50	10.8	7.99	2.40	>1,000	-	-	"
	29.50	-	-	-	-	-	-	Dry
11-12	7.90	11.0	10.5	2.50	>1,000	-	-	
								cloudy

Development Water Characteristics:

Total volume of Development water removed: ~16 gall

Development Water Disposal Method: 5-6 gall bucket

Physical appearance at start		Physical appearance at end	
Color	cloudy	Color	Brown
Odor	ND	Odor	ND
Sheen/Free Product	ND	Sheen/Free Product	ND

NOTES:
- well purged dry after 1 well volume - 11-11
- well purged dry after 1 well volume - 11-12

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW12-21

Date	02/21/19	Field Personnel	J. Perez	Weather	Overcast, 37°F
Site Name	Bomax mfg.	Contractor	NYSDEC	Project No.	49512
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	40.5 ft.	Date(s) Installed	12/13/18 - 12/17/18	Date(s) Developed	
Depth to Bottom (Final)*	ft.	Driller	Layne Tech	Development Time	Start: 1125
Depth to Water (Initial)*	27.26 ft.	Well Diameter	3.88 in.		Stop: 1515
Depth to Water (Final)*	37.04 ft.	Casing Volume	gal.		Total: 3hrs 50 min

* Measuring point: Inside Casing

Pump setting* (intake): 1000mL bailer (1.5" x 3')

1 Volume = 13.34 x 0.653 = 8.71 G

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C °F	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	55.0	6.28	2358	126	—	27.16	Brown, Cloudy
1	8.71	52.3	6.88	2192	847	—	30.0	Cloudy
2	8.71	52.0	7.10	2088	1737	—	30.85	cloudy
3	8.71	52.8	7.34	2075	798	—	34.89	Cloudy
4	8.71	53.0	7.22	2110	2745	—	34.08	cloudy
5	8.71	52.2	7.23	2112	1843	—	36.30	cloudy
6	6.0	51.9	7.24	2121	1708	—	37.04	Cloudy
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 50 gal.

Physical appearance at start

Color: Brown/gray

Odor: None

Sheen/Free Product: None

Physical appearance at end

Color: gray

Odor: Sulfur

Sheen/Free Product: None

NOTES: Kelly discussed the volume to pull w/ Travis & they decided to do a rough stabilization on the assumption the turbidity will not clear.

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW12-22

Date	02/21/19	Field Personnel	J. Perez	Weather	Overcast, 37°F
Site Name	Bonar Mfg Site	Contractor	NYSDEC	Project No.	49512
Site Location	Watertown, NY	Evacuation Method	Bailer		

Well information:

Depth to Bottom (Initial) *	42.78	ft.	Date(s) Installed	11/28/18 - 12/19/18	Date(s) Developed		
Depth to Bottom (Final)*	~~42~~ 42.80	ft.	Driller	Layne Peck	Development Time	Start: 1615	
Depth to Water (Initial)*	41.83	ft.	Well Diameter	4.88	in.		Stop: ~~1645~~ 1700
Depth to Water (Final)*	42.35	ft.	Casing Volume		gal.		Total: 45min
* Measuring point	Casing		Pump setting* (intake)	Bailer (1000mL) 1.5"x3'		0.95 x 0.653 = 0.62	

42.35
41.85
0.50

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	40.8	10.60	1984	>max	—	41.83	dark gray
1	0.33	41.0	10.20	1584	>max	—	42.35	dark gray
2								
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: ~~0~~ 0.33 gal

Physical appearance at start
- Color: dark gray
- Odor: None
- Sheen/Free Product:

Physical appearance at end
- Color: dark gray
- Odor: None
- Sheen/Free Product:

NOTES: Bailed dry; had to stop.

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW12-22

Date	02/27/19	Field Personnel	J. Perez	Weather	Snowing, 13°F
Site Name	Bonar Mfg	Contractor	NYSDEC	Project No.	49512
Site Location	Watertown, NY	Evacuation Method	Bailer 1.5"x3'		

Well information:

Depth to Bottom (Initial) *	42.76 ft.	Date(s) Installed	11/28/18 - 12/19/18	Date(s) Developed	02/21/19
Depth to Bottom (Final)*	- ft.	Driller	Layne Tech	Development Time	Start: 1209
Depth to Water (Initial)*	42.35 ft.	Well Diameter	4.88 in.		Stop: 1215
Depth to Water (Final)*	- ft.	Casing Volume	gal.		Total: 6 min
* Measuring point	Casing	Pump setting* (intake)	Bailer (1000 mL)		

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start								
1		Couldn't	Retain	Water	from	Well.		
2								
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: N/A

Physical appearance at start		Physical appearance at end	
Color		Color	
Odor	N/A	Odor	N/A
Sheen/Free Product		Sheen/Free Product	

NOTES: *Couldn't retain water from well.

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW12-23

Date	12/22/19	Field Personnel	J. Perez	Weather	Sunny, 40°F
Site Name	Bonar Mfg Site	Contractor	NYSDEC	Project No.	49512
Site Location	Watertown, NY	Evacuation Method	Bailer 1.5"x3'		

Well information:

Depth to Bottom (Initial) *	45.5	ft.	Date(s) Installed	11/28/18 - 12/2/18	Date(s) Developed		
Depth to Bottom (Final)*	45.5	ft.	Driller	Layne Tech	Development Time	Start: 1035	
Depth to Water (Initial)*	44.0	ft.	Well Diameter	HQ in.		Stop: 1045	
Depth to Water (Final)*	45.0	ft.	Casing Volume	gal.		Total: 10 min	

* Measuring point: Casing — Pump setting* (intake): Bailer 1.5"x3' 1000mL — Volume = ~1.0

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	49.3	10.05	1900	600	-	44.0	Slightly cloudy
1	~0.5gal	50.3	10.00	1871	Max	-		
2								
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 0.5 gal

Physical appearance at start	Slightly Cloudy	Physical appearance at end	Slightly cloudy
Color		Color	
Odor	None	Odor	None
Sheen/Free Product	-	Sheen/Free Product	-

NOTES: Bailed dry @ 0.5 gal

Geologist Signature: J. Perez

WELL DEVELOPMENT LOG

Well ID: MW12-23

Date	02/22/19	Field Personnel	J. Pesce	Weather	Overcast, 6 mph
Site Name	Bassex Mfg	Contractor	NYSDEC	Project No.	49512
Site Location	Waterford, NY	Evacuation Method	Bailer 1.5"x3'		

Well information:

Depth to Bottom (Initial) *	45.45 ft.	Date(s) Installed	11/28/18 - 12/12/18	Date(s) Developed	02/22/19
Depth to Bottom (Final)*	45.46 ft.	Driller	Layne Peele	Development Time	Start: 0820
Depth to Water (Initial)*	44.7 ft.	Well Diameter	4.88 in.		Stop: 0838
Depth to Water (Final)*	45.16 ft.	Casing Volume	gal.		Total: 18
* Measuring point	Casing	Pump setting* (intake)	1000 mL (1.5"x3')		

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C ~~°F~~	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	46.9	7.48	1937	41.8	–	44.7	Cloudy
1	0.3	42.3	7.39	1922	53.2	–	45.16	↓
2								
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 0.3 gal

Physical appearance at start
- Color: Slightly Cloudy
- Odor: None
- Sheen/Free Product: None

Physical appearance at end
- Color: Slightly Cloudy
- Odor: None
- Sheen/Free Product: None

NOTES: Continuing from last week. Bailed dry. Well was 53% recovered, DEC gave approval to develop anyways

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW 2-24

Date	02/22/19	Field Personnel	J Pierce	Weather	Sunny, 45°F
Site Name	Bimax Mfg	Contractor	NYSDEC	Project No.	49517
Site Location	Watertown, NY	Evacuation Method	Bailer 1.5"x 3'		

Well information:

Depth to Bottom (Initial) *	42.4 ft.	Date(s) Installed	11/29/18 - 12/13/18	Date(s) Developed	
Depth to Bottom (Final)*	42.4 ft.	Driller	Glenn Lansing	Development Time	Start: 1100
Depth to Water (Initial)*	40.7 ft.	Well Diameter	HQ (3.88) in.		Stop: 1130
Depth to Water (Final)*	42.0 ft.	Casing Volume	gal.		Total: 30 min
* Measuring point	Casing	Pump setting* (intake)	Bailer 1.5"x 3' 1000 mL	Volume = 1.1	

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0.	50.0	8.23	2475	max	—	40.7	Brown cloudy
1	0.3	48.5	8.20	2466	max	—	42.80	Brown cloudy
2								
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 0.3 gal.

Physical appearance at start
- Color: Brown, cloudy
- Odor: None
- Sheen/Free Product:

Physical appearance at end
- Color: Brown cloudy
- Odor: Sewage
- Sheen/Free Product:

NOTES: Bailed well dry @ 0.3 gal

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW12-24

Date	02/27/19	Field Personnel	J. Perez	Weather	Overcast 60°F
Site Name	Bonnex Mfg	Contractor	NYSDEC	Project No.	49512
Site Location	Watertown, NY	Evacuation Method	Bailer 1.5"x3'		

Well information:

Depth to Bottom (Initial) *	42.4 ft.	Date(s) Installed	11/29/18-12/13/18	Date(s) Developed	02/22/19
Depth to Bottom (Final)*	42.42 ft.	Driller	Glenn Lansing	Development Time	Start: 0900-0910
Depth to Water (Initial)*	~~38~~ 40.4 ft.	Well Diameter	2.88 in.		Stop: 0921
Depth to Water (Final)*	~~39.05~~ 41.55 ft.	Casing Volume	gal.		Total: ~~21~~ 11
* Measuring point	Casing	Pump setting* (intake)	1000mL (1.5"x3')		

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	46.1 7.3	~~4~~	2097	7max	—	38.7	cloudy
1	~~0~~ 0.75	44.6	7.28	2023	7max	—	39.35	↓
2								
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: ~~2.0 gal~~ 0.75 gal

Physical appearance at start
- Color: Cloudy
- Odor: None
- Sheen/Free Product: None

Physical appearance at end
- Color: Cloudy
- Odor: None
- Sheen/Free Product: None

NOTES: Bailed dry last week.
Well is fully recovered pre bail.
Bailed dry @ ~2.0 gal.

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW12-75

Date	02/22/19	Field Personnel	J. Perez	Weather	Overcast, 38°
Site Name	Bomax Mfg.	Contractor	NYSDEC	Project No.	49512
Site Location	Watertown, NY	Evacuation Method	Bailer 1.5"x3'		

Well information:

Depth to Bottom (Initial) *	40.85	ft.	Date(s) Installed	11/29/18-12/18/18	Date(s) Developed		
Depth to Bottom (Final)*	40.91	ft.	Driller	Layne Tech	Development Time	Start: 1015	
Depth to Water (Initial)*	31.55	ft.	Well Diameter	HQ (3.88)	in.	Stop: 1025	
Depth to Water (Final)*	40.32	ft.	Casing Volume		gal.	Total:	
* Measuring point	Casing		Pump setting* (intake)	Bailer 1.5"x3' 1000mL		Volume = 6.07	

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	46.8	9.61	1629	23.5	—	31.55	cloudy
1	6.8	48.3	10.16	1616	684	—	40.32	cloudy
2								
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 0.4 gal

Physical appearance at start		Physical appearance at end	
Color	medium tan/grey, cloudy	Color	dark grey, cloudy
Odor	Sulfur	Odor	Sulfur
Sheen/Free Product		Sheen/Free Product	

NOTES: Bailed dry @ ~ 1 well volume.

Geologist Signature: J. Perez

WELL DEVELOPMENT LOG

Well ID: MW12-25

Date	02/27/19	Field Personnel	J. Perez	Weather	Overcast, 6 °F
Site Name	Bawax Mfg	Contractor	NYSDEC	Project No.	49512
Site Location	Watertown NY	Evacuation Method	Bailer 1.5"x3'		

Well information:

Depth to Bottom (Initial) *	40.85 ft.	Date(s) Installed	11/29/18-12/18/18	Date(s) Developed	02/22/19
Depth to Bottom (Final)*	40.85 ft.	Driller	Layne Rock	Development Time	Start: 0951
Depth to Water (Initial)*	38.1 ft.	Well Diameter	5.88 in.		Stop: 1006
Depth to Water (Final)*	39.7 ft.	Casing Volume	gal.		Total: 15
* Measuring point	Casing	Pump setting* (intake)	1000 mL		~~39.85~~

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	44.3	9.06	1748	1665	—	38.1	Cloudy Brown
1	0.75 gal	44.2	9.10	1737	>max	—	39.7	Cloudy Brown
2								
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 0.75 gal.

Physical appearance at start		Physical appearance at end	
Color	Brown, cloudy	Color	Brown, cloudy
Odor	Sulfur	Odor	Sulfur
Sheen/Free Product		Sheen/Free Product	

NOTES: Continuing from last week after bailing dry
Only 2% recovered.
Bailed dry @ 0.75 gal

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW12-26

Date	02/22/19	Field Personnel	J. Perez	Weather	Overcast, 48°F
Site Name	Bomax Mfg	Contractor	NYSDEC	Project No.	49512
Site Location	Watertown, NY	Evacuation Method	Bailer 1.5"x3'		

Well information:

Depth to Bottom (Initial) *	41.5 ft.	Date(s) Installed	12/17/18 - 12/30/18	Date(s) Developed	
Depth to Bottom (Final)*	~~41~~ 41.5 ft.	Driller	Jayne Peck	Development Time	Start: 1200
Depth to Water (Initial)*	39.25 ft.	Well Diameter	MW (3.88) in.		Stop: 1230
Depth to Water (Final)*	~~40.81~~ 40.0 ft.	Casing Volume	gal.		Total: 30 min
* Measuring point	Casing	Pump setting* (intake)	Bailer 1.5"x3' 1000 mL	Volume = ~1.5 gal.	

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	46.5	7.25	119.8	1670	—	39.25	Cloudy
1	1.0 gal	47.8	7.30	104.3	max	—	40.0	Cloudy
2								
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: ~1.0 gal

Physical appearance at start
- Color: Gray, Cloudy
- Odor: None
- Sheen/Free Product:

Physical appearance at end
- Color: Gray, cloudy
- Odor: None
- Sheen/Free Product:

NOTES: Bailed dry @ ~1.0 gal. Will have to return.

Geologist Signature: J. Perez

WELL DEVELOPMENT LOG

Well ID: MW12-26

Date	02/27/19	Field Personnel	J. Perez	Weather	Snowing, 13°F
Site Name	Bomax mfg	Contractor	NYSDEC	Project No.	49512
Site Location	Watertown, NY	Evacuation Method	Bailer 1.5"x3'		

Well information:

Depth to Bottom (Initial) *	41.5 ft.	Date(s) Installed	11/30/18-12/17/18	Date(s) Developed	02/22/19
Depth to Bottom (Final)*	41.52 ft.	Driller	Layne Tech	Development Time	Start: 1400
Depth to Water (Initial)*	40.3 ft.	Well Diameter	3.88 in.		Stop: 1413
Depth to Water (Final)*	41.0 ft.	Casing Volume	gal.		Total: 13
* Measuring point	Casing	Pump setting* (intake)	1000 mL		

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	45.7	7.28	1005	2617	—	40.3	
1	0.5 gal	44.9	7.33	1011	>max	—		
2								
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 0.5 gal

Physical appearance at start		Physical appearance at end	
Color	gray, cloudy	Color	gray, cloudy
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

NOTES: Bailed dry; continuing from last week.
Bailed dry again ~0.5 gal.

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW 12-27

Date	02/22/19	Field Personnel	J. Perez	Weather	Overcast 28°F
Site Name	Bonnex Mfg.	Contractor	NYSDEC	Project No.	49512
Site Location	Watertown, NY	Evacuation Method	Bailer 1.5"x3'		

Well information:

Depth to Bottom (Initial) *	33.2	ft.	Date(s) Installed	11/27/18 - 12/11/18	Date(s) Developed		
Depth to Bottom (Final)*	33.03	ft.	Driller	Layne Peck	Development Time	Start: 0700	
Depth to Water (Initial)*	5.4	ft.	Well Diameter	HQ (3.88) in.		Stop: 0900	
Depth to Water (Final)*	32.6	ft.	Casing Volume	gal.		Total: 2 hrs	

* Measuring point: Top of Casing

Pump setting* (intake): Bailer 1.5" x 3' 1000 mL

Volume: 18.15

Well Volumes	Volume of Water Removed (Gallons)	Temperature °F	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	45.7		2485	712	—		Cloudy
1	18.15	44.7	7.97	2497	MAX	—		dark green Cloudy
2								
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 18.15 ~~18.15~~

Physical appearance at start
- Color: Green-gray, slight translucence
- Odor: None
- Sheen/Free Product: None

Physical appearance at end
- Color: ~~Green gray, slight~~ translucent.
- Odor: None
- Sheen/Free Product:

NOTES: Bailed dry @ ~ 1 well volume

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW12-27

Date	02/27/19	Field Personnel	J. Perez	Weather	Overcast, 6°F
Site Name	Bomax mfg site	Contractor	NYSDEC	Project No.	495-12
Site Location	Watertown, NY	Evacuation Method	Bailer 1.5"x3'		

Well information:

Depth to Bottom (Initial) *	33.2 ft.	Date(s) Installed	11/27/18-12/11/18	Date(s) Developed	02/22/19
Depth to Bottom (Final)*	33.2 ft.	Driller	Layne Beck	Development Time	Start: 1045
Depth to Water (Initial)*	4.55 ft.	Well Diameter	3.88 in.		Stop: 1155
Depth to Water (Final)*	32.0 ft.	Casing Volume	gal.		Total: 70
* Measuring point	~~TOC~~ Casing	Pump setting* (intake)	~ 1000mL		

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	42.9	7.47	4071	94	-	4.85	Brown, cloudy
1	17.7	41.5	7.68	4111	2376	-		
2								
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 17.7

Physical appearance at start		Physical appearance at end	
Color	Brown, cloudy	Color	Brown, cloudy
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

NOTES: Bailed dry last week. Well is fully recovered. Bailed dry again

Geologist Signature:

WELL DEVELOPMENT LOG

Well ID: MW17-28

Date	02/22/19	Field Personnel	J. Perez	Weather	Overcast, 36 °F
Site Name	Bonax Mfg.	Contractor	NYSDEC	Project No.	495/2
Site Location	Watertown, NY	Evacuation Method	Bailer 1"x3'		

Well information:

Depth to Bottom (Initial) *	29.95 ft.	Date(s) Installed	12/19/18, 12/20/18	Date(s) Developed	
Depth to Bottom (Final)*	29.99 ft.	Driller	Layne Pedi	Development Time	Start: 0830
Depth to Water (Initial)*	5.55 ft.	Well Diameter	HQ (3.88) in.		Stop: 1000
Depth to Water (Final)*	29.23 ft.	Casing Volume	gal.		Total: 90 min
* Measuring point	Casing	Pump setting* (intake)	Bailer 1.5"x3' 1000 mL	Volume: 15.9	

Well Volumes	Volume of Water Removed (Gallons)	Temperature °C	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	42.0	11.03	1580	646	–	5.55	cloudy
1	15.9	43.6	12.12	1569	Max	–	29.23	cloudy
2								
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 15.9

Physical appearance at start	light yellow/grey	Physical appearance at end	dark grey/cloudy
Color	cloudy, partially translucent	Color	
Odor	None	Odor	None
Sheen/Free Product	None	Sheen/Free Product	None

NOTES: Bailed dry @ ~1 well volume.

Geologist Signature: J.W. Perez

WELL DEVELOPMENT LOG

Well ID: MW12-28

Date	02/27/19	Field Personnel	J. Perez	Weather	Snow, 13°F
Site Name	Bymax Mfg Site	Contractor	NYSDEC	Project No.	485/12
Site Location	Watertown, NY	Evacuation Method	Bailer 1.5"x3'		

Well information:

Depth to Bottom (Initial) *	29.95 ft.	Date(s) Installed	12/19/18 - 12/20/18	Date(s) Developed	02/22/19
Depth to Bottom (Final)*	29.98 ft.	Driller	Layne Peck	Development Time	Start: 1245
Depth to Water (Initial)*	29.6 6.12 ft.	Well Diameter	3.88 in.		Stop: 1345
Depth to Water (Final)*	28.9 ft.	Casing Volume	gal.		Total: 1hr
* Measuring point	Casing	Pump setting* (intake)	~1000mL	5.5	

Well Volumes	Volume of Water Removed (Gallons)	Temperature °F	pH s.u	Conductivity mS/cm	Turbidity (NTU)	Approximate Flow Rate (gal/min)	Depth to Water (ft.)	Appearance of Water
Start	0	42.7	9.29	414.2	719	-	6.12	
1	14.7gal	44.9	8.72	249.5	2161			
2								
3								
4								
5								
6								
7								
8								
9								
10								

Development Water Characteristics:

Total volume of Development water removed: 14.7 gal

Physical appearance at start		Physical appearance at end	
Color	White, cloudy	Color	gray, cloudy
Odor	None	Odor	Sewage (faint)
Sheen/Free Product	None	Sheen/Free Product	None

NOTES: Continuing from bailing dry last week. Bailed dry again ~ 14.7 gal.

Geologist Signature:

Appendix D

Groundwater Sampling Logs

O'Brien & Gere Engineers, Inc. — Low Flow Ground Water Sampling Log

Date	12-5-12	Personnel	N Vogan	Weather	~35° overcast
Site Name	Former Bomax Manufacturing	Evacuation Method	Peristaltic / Bailer	Well #	MW-1
Site Location	Watertown, NY	Sampling Method	~~Peristaltic~~ Bailer	Project #	8653.49512

Well information:

Depth of Well *	27.72 ft.	* Measurements taken from	
Depth to Water *	6.33 ft.		Top of Well Casing
Length of Water Column	ft.	X	Top of Protective Casing
Depth to Intake *	ft.		(Other, Specify)

Start Purge Time: 1345

Elapsed Time (min)	Depth To Water (ft btoc)	Temperature (°C)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	6.47	6.02	7.65	4.72	157	2.64	106	200
5	6.89	6.12	7.82	3.32	112	0.62	139	160
10	7.15	6.38	8.00	2.17	83	0.18	134	150
15	7.48	6.54	8.14	1.51	66	0.00	80.6	150
20	7.84	6.57	8.18	1.20	55	0.00	28.9	150
25	8.42	6.59	8.20	1.11	48	0.00	24.5	150
30	8.84	6.56	8.25	0.998	43	0.00	27.1	150
~~35~~	Purge 1	water column	at	higher rate	, attempt	to stabilize		
50	Still falling	at	150 ml/	min / 6	gal dry			

End Purge Time: 1511

Water sample:

Time collected: 12/6 / 1543

Total volume of purged water removed: 9.5 gallons

Physical appearance at start		Physical appearance at sampling	
Color	slightly rusty	Color	slightly rusty
Odor	no	Odor	No
Sheen/Free Product	no	Sheen/Free Product	no

Field Test Results:

Dissolved ferrous iron:	NA
Dissolved total iron:	NA
Dissolved total manganese:	NA

Analytical Parameters: only 1 amber each for 8270, 8081+8082; not enough water

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH

O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12-5-12	Personnel	NVogen	Weather	~35° overcast
Site Name	Former Bomax Manufacturing	Evacuation Method	Peristaltic / Bailer	Well #	MW-2
Site Location	Watertown, NY	Sampling Method	~~Peristaltic~~ Bailer	Project #	8653.49512

Well information:

Depth of Well *	26.81	ft.	
Depth to Water *	4.96	ft.	
Length of Water Column		ft.	
Depth to Intake *		ft.	

* Measurements taken from

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

Start Purge Time: 1155

Elapsed Time (min)	Depth To Water (ft btoc)	Temperature (°C)	pH	Conductivity (mS/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	5.36	9.70	7.10	0.851	200	1.30	13.2	180
5	5.79	9.30	6.97	0.839	197	0.64	9.04	180
10	6.08	8.70	6.92	0.834	195	0.43	9.98	150
15	6.24	8.86	6.89	0.835	193	0.15	6.40	150
20	6.51	8.83	6.87	0.836	190	0.00	6.66	150
25	6.80	8.64	6.86	0.837	188	0.00	6.35	125
30	7.09	8.53	6.85	0.839	180	0.00	6.94	125
35	7.55	8.57	6.84	0.824	176	0.00	8.74	125
40	7.98	8.55	6.85	0.802	173	0.00	10.71	125
	MP	pump failed to purge 1/3 water column very low flow						
60	16.21	8.91	6.96	0.743	143	0.00	19.4	125
65	16.46	8.86	6.97	0.743	139	0.00	18.0	125
70	16.86	8.81	6.97	0.744	133	0.00	18.4	125
	purge dry @		26.12	ft btoc				
							↑	
	Pre -	Post -	Sample					
	12.52	8.43	7.54	0.705	159	8.83	79.7	—

End Purge Time: 1327

Water sample:

Time collected: 12/6 1615

Physical appearance at start

Color: clear

Odor: no

Sheen/Free Product: no

Total volume of purged water removed: 10 gallons

Physical appearance at sampling

Color: clear

Odor: no

Sheen/Free Product: no

Field Test Results:

Dissolved ferrous iron: NA

Dissolved total iron: NA

Dissolved total manganese: NA

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH

O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/4/12	Personnel	NVogan	Weather	~65° sun/wind
Site Name	Former Bomax Manufacturing	Evacuation Method	Peristaltic / Bailer	Well #	MW-3
Site Location	Watertown, NY	Sampling Method	~~Peristaltic~~ Bailer	Project #	8653.49512

Well information:

Depth of Well *	29.92	ft.
Depth to Water *	7.06	ft.
Length of Water Column	22.86	ft.
Depth to Intake *	14.9	gallons

* Measurements taken from

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

Start Purge Time: 1245

Elapsed Time (min)	Depth To Water (Ft BTOC)	Temperature (°C)	pH	Conductivity (mS/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	5.55	15.65	7.23	14.9	-109	0.65	8.17	180
5	7.83	15.20	7.29	13.6	-123	0.22	7.69	160
10	8.11	15.01	7.37	11.0	-132	0.00	8.87	150
15	8.21	15.26	7.39	9.72	-135	0.00	10.6	140
20	8.54	15.26	7.57	5.97	-145	0.00	6.84	140
25	8.73	15.59	7.70	4.10	-151	0.00	6.39	140
30	8.99	15.99	7.76	3.02	-156	0.00	6.14	125
35	9.21	16.24	7.83	2.27	-158	0.00	6.62	125
40	9.39	16.41	7.87	1.83	-161	0.00		125
	Purge ½	water	column					
	Pump	batt.	dies	unable to	test ½	water	column	
	bail	dry						
5 gallons		14.23	8.13	0.753	20	4.80	225	—
10 gallons		13.28	7.66	3.82	-52	2.05	193	—
	SAMPLE							
	22.40	9.52	7.68	0.972	172	~~7.12~~ 7.12	120	—

End Purge Time: 1410

Water sample:

Time collected: 1520 (12/6)

Total volume of purged water removed: 11 gallons (Smaller hole diameter)

Physical appearance at start

Color: clear

Odor: no

Sheen/Free Product: no

Physical appearance at sampling

Color: slightly turbid

Odor: no

Sheen/Free Product: no

Field Test Results:

Dissolved ferrous iron: NA

Dissolved total iron: NA

Dissolved total manganese: NA

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH

O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/3/12	Personnel	NVegan	Weather	~45° overcast
Site Name	Former Bomax Manufacturing	Evacuation Method	~~Peristaltic~~ Bailer	Well #	MW12-01
Site Location	Watertown, NY	Sampling Method	~~Peristaltic~~ Bailer	Project #	8653.49512

Well information:

Depth of Well *	31.94	ft.
Depth to Water *	25.37	ft.
Length of Water Column	6.57	ft.
~~Depth to Intake~~ *well volume	4.27	gallons

* Measurements taken from

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

Start Purge Time: 1230

Elapsed Time (gallons)	Depth To Water (ft btoc)	Temperature (°C)	pH	Conductivity (mS/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	25.37	12.89	7.22	0.580	156	3.56	51.3	—
2.5	29.02	12.65	7.35	0.570	155	4.64	>999	—
3.5	31.38	12.10	7.43	0.535	139	4.75	>999	←
		not enough water in well for water quality post - sampling						

End Purge Time: 1255

Water sample:

Time collected: 12/7 1345

Total volume of purged water removed: 3.6 gallons

Physical appearance at start		Physical appearance at sampling	
Color	clear	Color	cloudy
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

Field Test Results:

Dissolved ferrous iron:	NA
Dissolved total iron:	NA
Dissolved total manganese:	NA

Analytical Parameters: Highly turbid samples; 1 amber each for 8270 8081 + 8082

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH

O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/6/12	Personnel	NVegan	Weather	~25°, Pclowdy
Site Name	Former Bomax Manufacturing	Evacuation Method	Peristaltic	Well #	MW12-02
Site Location	Watertown, NY	Sampling Method	Peristaltic	Project #	8653.49512

Well information:

Depth of Well *	31.72 ft.	* Measurements taken from	
Depth to Water *	20.49 ft.	X	Top of Well Casing
Length of Water Column	ft.		Top of Protective Casing
Depth to Intake *	ft.		(Other, Specify)

Start Purge Time: 1120

Elapsed Time (min)	Depth To Water (ft btoc)	Temperature (°C)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	20.67	12.54	7.47	0.503	178	6.60	9.74	200
5	20.80	11.14	7.20	0.531	197	6.50	9.34	200
10	20.87	11.15	7.11	0.525	200	5.90	13.2	200
15	20.90	11.07	7.04	0.485	202	5.30	7.54	200
20	20.93	11.41	6.97	0.469	203	3.46	7.21	200
25	20.95	11.40	6.93	0.468	203	3.63	9.82	200
30	21.00	11.52	6.91	0.467	203	2.89	8.91	200
35	21.03	11.57	6.89	0.465	202	2.79	6.73	200
40	21.00	11.35	6.89	0.465	202	2.74	6.21	175
45	20.98	11.17	6.89	0.465	202	2.55	8.06	175
48	20.99	11.19	6.90	0.463	201	2.48	7.42	175
51	20.98	11.25	6.88	0.463	201	2.35	7.13	175

End Purge Time: 1320

Water sample:

Time collected: 1215

Total volume of purged water removed: 2.5 gallons

Physical appearance at start		Physical appearance at sampling	
Color	clear	Color	clear
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

Field Test Results:

Dissolved ferrous iron:	NA
Dissolved total iron:	NA
Dissolved total manganese:	NA

Analytical Parameters: Field dup taken : MW12-FD-1

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH

O'Brien & Gere Engineers, Inc. — **Low Flow Ground Water Sampling Log**

Date	12/4/12	Personnel	NVegan	Weather	~65° sunny/wind
Site Name	Former Bomax Manufacturing	Evacuation Method	Peristaltic / Bailer	Well #	MW-17-03
Site Location	Watertown, NY	Sampling Method	~~Peristaltic~~ / Bailer	Project #	8653.49512

Well information:

Depth of Well *	31.82	ft.
Depth to Water *	7.58	ft.
Length of Water Column	24.24	ft.
~~Depth to Intake~~ * 1 well volume	15.8	ft gallons

* Measurements taken from

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

Start Purge Time: 0950

Elapsed Time (min)	Depth To Water (ft btoc)	Temperature (°C)	pH	Conductivity (mS/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	7.76	11.28	7.54	1.01	177	7.51	29.1	200
5	7.91	12.07	7.31	1.04	181	7.10	26.5	200
10	8.20	12.50	7.30	1.03	181	6.63	18.6	180
15	8.63	12.64	7.28	1.03	181	6.37	10.7	150
20	9.06	12.78	7.27	1.02	181	6.23	7.26	150
25	9.54	12.92	7.26	1.02	180	5.98	6.36	180
30	10.13	13.10	7.25	1.21	181	5.86	5.47	180
35	10.32	13.18	7.25	1.21	179	5.73	5.01	180
40	10.66	13.27	7.25	1.21	178	5.47	4.68	160
45	11.15	13.41	7.24	1.20	178	5.30	4.42	180
malfunction probe → 1035	purge ½	water column		vacuum	low ft.			
1055	16.11	13.12	5.23	3.19	754	5.98	4.17	100
1100	16.22	13.51	7.22	1.19	170	4.74	5.40	100
1105	16.51	13.79	7.22	1.16	171	4.58	5.28	100
	10 gallons	14.03	7.43	0.804	156	2.98	247	—
	15 gallons	13.74	7.34	0.866	151	2.92	607	—
	31.18	end of purge						
	Pre sample	Post sample						
1215	16.81	9.65	7.59	0.783	130	9.06	27.3	—

End Purge Time: 1155

Water sample:

Time collected: 12/5 1630

Total volume of purged water removed: 15 gallons

Physical appearance at start		Physical appearance at sampling	
Color	clear	Color	clear
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

Field Test Results:

Dissolved ferrous iron:	NA
Dissolved total iron:	NA
Dissolved total manganese:	NA

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH

O'Brien & Gere Engineers, Inc. — **Low Flow Ground Water Sampling Log**

Date	12/3/12	Personnel	NVogan	Weather	~40° overcast
Site Name	Former Bomax Manufacturing	Evacuation Method	Peristaltic / Bailer	Well #	MW12-04
Site Location	Watertown, NY	Sampling Method	~~Peristaltic~~ Bailer	Project #	8653.49512

Well information:

Depth of Well *	31.73	ft.
Depth to Water *	4.59	ft.
Length of Water Column	27.14	ft.
~~Depth to Intake~~ 1 well volum	17.64	~~ft~~ gallons

* Measurements taken from

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

Start Purge Time: (W) ~~1500~~ 15.05

Elapsed Time (~~min~~)	Depth To Water (ft btoc)	Temperature (°C)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	5.02	9.78	7.54	0.502	27	3.52	66.9	200
5	5.28	10.12	7.45	0.499	27	2.66	33.9	200
10	5.84	10.22	7.40	0.497	53	1.91	21.7	200
15	6.28	10.29	7.39	0.497	62	1.65	23.6	200
20	6.63	10.25	7.38	0.496	70	1.46	23.1	200
25	6.89	10.16	7.38	0.495	74	1.34	21.1	180
30	7.11	10.18	7.37	0.495	75	1.19	23.9	180
35	7.41	9.98	7.37	0.493	57	0.94	28.2	120
40	7.62	9.92	7.37	0.493	9	0.63	31.9	120
45	7.80	9.73	7.38	0.491	-12	0.45	36.1	100
50	7.96	9.72	7.38	0.493	-28	0.30	36.6	100
	Remove ½	water column						
1630 85	16.17	10.61	7.47	0.486	-126	0.00	63.5	125
90	16.46	10.27	7.47	0.487	-129	0.00	60.7	125
95	16.69	10.18	7.55	0.488	-130	0.00	58.8	125
	31.07	9.57	7.49	0.499	-11	4.57	>999	—
1716	Post Sample	7.88	7.56	0.508	127	7.62	20.6	—

End Purge Time: 1710

Water sample:

Time collected: 12/5/12 1600

Total volume of purged water removed: 165 gallons

Physical appearance at start		Physical appearance at sampling	
Color	clear	Color	~~clear~~
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

Field Test Results:

Dissolved ferrous iron:	NA
Dissolved total iron:	NA
Dissolved total manganese:	NA

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH

O'Brien & Gere Engineers, Inc. — **Low Flow Ground Water Sampling Log**

Date	12/3/12	Personnel	NVegan	Weather	~15° overcast
Site Name	Former Bomax Manufacturing	Evacuation Method	~~Peristaltic~~ Bailer	Well #	MW2-05
Site Location	Watertown, NY	Sampling Method	~~Peristaltic~~ Bailer	Project #	8653.49512

Well information:

Depth of Well *	32.02	ft.
Depth to Water *	29.83	ft.
Length of Water Column	2.19	ft.
~~Depth to Intake~~ *	1.42	ft.

* Measurements taken from

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

Start Purge Time: 1320

Elapsed Time (gallons)	Depth To Water (ft btoc)	Temperature (°C)	pH	Conductivity (mS/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	29.83	9.35	7.32	2.27	166	7.45	519	—
1	31.58	9.00	7.23	2.32	168	~~Stabilized~~	>999	—
						7.30		
		Not enough water in well for post-sample					grabbing	

End Purge Time: 1335

Water sample:

Time collected: 1217 1215

Total volume of purged water removed: 1 Gallon

Physical appearance at start		Physical appearance at sampling	
Color	cloudy	Color	~~cloudy~~ no clear
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

Field Test Results:

Dissolved ferrous iron:	NA
Dissolved total iron:	NA
Dissolved total manganese:	NA

Analytical Parameters: slightly turbid samples; 1 amber each for 8270 8081+8082

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH

O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/3/12	Personnel	NVogan	Weather	~45° overcast
Site Name	Former Bomax Manufacturing	Evacuation Method	~~Peristaltic~~ Bailer	Well #	MW12-06
Site Location	Watertown, NY	Sampling Method	~~Peristaltic~~ Bailer	Project #	8653.49512

Well information:

Depth of Well *	32.05	ft.	* Measurements taken from
Depth to Water *	11.99	ft.	Top of Well Casing
Length of Water Column	20.06	ft.	X Top of Protective Casing
Depth to Intake * well volume	13.04	gallons	(Other, Specify)

Start Purge Time: 1350

Elapsed Time (gallons)	Depth To Water (ft btoc)	Temperature (°C)	pH	Conductivity (mS/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	11.99	9.75	7.54	0.646	151	6.08	19.8	—
4	19.98	10.25	7.51	0.602	158	6.70	42.7	—
8	27.02	10.18	7.54	0.634	165	6.26	44.2	—
12	31.31	9.83	7.51	0.944	167		>999	—
	Pre Sample	Post Sample						
12/5	5.56	6.36	7.39	0.777	-23	5.67	102	—

End Purge Time: 1430

Water sample:

Time collected: 12/5 1700

Total volume of purged water removed: 12 gallons

Physical appearance at start

Color: clear

Odor: no

Sheen/Free Product: no

Physical appearance at sampling

Color: cloudy

Odor: clear

Sheen/Free Product: clear

Field Test Results:

Dissolved ferrous iron: NA

Dissolved total iron: NA

Dissolved total manganese: NA

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH

O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/4/12	Personnel	NNugen	Weather	~65° overcast
Site Name	Former Bomax Manufacturing	Evacuation Method	~~Peristaltic~~ Bailer	Well #	Sump
Site Location	Watertown, NY	Sampling Method	~~Peristaltic~~ Bailer	Project #	8653.49512

Well information:

Depth of Well *	ft.	* Measurements taken from	
Depth to Water *	ft.		Top of Well Casing
Length of Water Column	ft.		Top of Protective Casing
Depth to Intake *	ft.		(Other, Specify)

Start Purge Time:

Elapsed Time ( )	Depth To Water ( )	Temperature ( )	pH	Conductivity (mS/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
—	—	13.04	7.82	0.115	-108	2.80	8.5	—
		Post	sample					

End Purge Time:

Water sample:

Time collected: 1645

Total volume of purged water removed: 0

Physical appearance at start		Physical appearance at sampling	
Color	clear	Color	clear
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

Field Test Results:

Dissolved ferrous iron:	NA
Dissolved total iron:	NA
Dissolved total manganese:	NA

Analytical Parameters: Sump - 12042012

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH

O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/6/12	Personnel	NVogen	Weather	~30° pcloudy
Site Name	Former Bomax Manufacturing	Evacuation Method	Peristaltic	Well #	TW17-02
Site Location	Watertown, NY	Sampling Method	Peristaltic	Project #	8653.49512

Well information:

Depth of Well *	14.67	ft.	* Measurements taken from
Depth to Water *	6.06	ft.	X Top of Well Casing
Length of Water Column		ft.	Top of Protective Casing
Depth to Intake *		ft.	(Other, Specify)

Start Purge Time: 1406

Elapsed Time (min)	Depth To Water (ft btoc)	Temperature (°C)	pH	Conductivity (mS/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	NA	10.91	7.17	0.304	192	1.10	20.0	325
5	NA	11.10	7.15	0.304	186	0.94	9.24	325
10	NA	11.11	7.15	0.303	180	0.85	7.17	325
15	NA	11.05	7.15	0.303	169	0.75	4.50	325
20	NA	11.10	7.14	0.303	161	0.78	3.34	325
25	NA	11.10	7.15	0.303	151	0.85	2.91	325
30	NA	11.16	7.14	0.303	142	0.75	2.57	325
33	NA	11.09	7.14	0.303	139	0.72	2.28	325
36	NA	11.08	7.15	0.304	135	0.70	2.16	325

End Purge Time: 1500

Water sample:

Time collected: 1445

Total volume of purged water removed: 4.5 gallons (total w/ well development)

Physical appearance at start		Physical appearance at sampling	
Color	clear	Color	clear
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

Field Test Results:

Dissolved ferrous iron:	NA
Dissolved total iron:	NA
Dissolved total manganese:	NA

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH

O'Brien & Gere Engineers, Inc. — **Low Flow Ground Water Sampling Log**

Date	12/6/12	Personnel	NWagm	Weather	~30° overcast
Site Name	Former Bomax Manufacturing	Evacuation Method	Peristaltic	Well #	TW17-03
Site Location	Watertown, NY	Sampling Method	Peristaltic	Project #	8653.49512

Well information:

Depth of Well *	ft.	* Measurements taken from	
Depth to Water *	ft.	X	Top of Well Casing
Length of Water Column	0.5 ft.		Top of Protective Casing
Depth to Intake *	ft.		(Other, Specify)

Start Purge Time: 1652

Elapsed Time (min)	Depth To Water (ft btoc)	Temperature (°C)	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
0	-	6.40	7.30	0.213	168	11.16	38.2	200
5	-	6.72	7.23	0.214	172	7.33	22.0	200
10	-	6.74	7.19	0.213	176	6.96	8.79	200
15	-	6.77	7.18	0.213	178	(M) 6.79	8.64	200
20	-	6.81	7.16	0.212	182	6.75	8.23	200
25	-	6.79	7.15	0.212	184	6.69	8.01	200
30	-	6.78	7.15	0.212	186	6.50	7.04	200
33	-	6.79	7.15	0.212	188	6.41	6.88	200
36	-	6.78	7.15	0.212	189	6.42	6.76	200
39	-	6.78	7.15	0.212	189	6.39	6.68	200

End Purge Time: 1810

Water sample:

Time collected: 1740

Total volume of purged water removed: 3.5 gallons

Physical appearance at start

Color: clear
Odor: no
Sheen/Free Product: no

Physical appearance at sampling

Color: clear
Odor: no
Sheen/Free Product: no

Field Test Results:

Dissolved ferrous iron: NA
Dissolved total iron: NA
Dissolved total manganese: NA

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH

O'Brien & Gere Engineers, Inc.

Low Flow Ground Water Sampling Log

Date	12/4/12	Personnel	NVogen	Weather	65° overcast
Site Name	Former Bomax Manufacturing	Evacuation Method	~~Peristaltic~~ Bailer	Well #	Wastewater tank
Site Location	Watertown, NY	Sampling Method	~~Peristaltic~~ Bailer	Project #	8653.49512

Well information:

Depth of Well *	ft.	* Measurements taken from	
Depth to Water *	ft.		Top of Well Casing
Length of Water Column	ft.		Top of Protective Casing
Depth to Intake *	ft.		(Other, Specify)

Start Purge Time:

Elapsed Time ( )	Depth To Water ( )	Temperature ( )	pH	Conductivity (ms/cm)	Oxidation Reduction Potential	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min).
-		14.26	7.54	0.440	-78	2.68	43.7	-

End Purge Time: 1545

Water sample:

Time collected: 1545

Total volume of purged water removed: 0

Physical appearance at start		Physical appearance at sampling	
Color	clear	Color	clear
Odor	no	Odor	no
Sheen/Free Product	no	Sheen/Free Product	no

Field Test Results:

Dissolved ferrous iron:	NA
Dissolved total iron:	NA
Dissolved total manganese:	NA

Analytical Parameters: Wastewater Tank : WTank-12042012 MS/MSD
round round port

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: MW-1
Northing:
Easting:

Site Name: Bomax | Sampling Method: Bailer | Field Personnel: NWV / JMN
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 11/5/13
Project #: 49512.300.001 | Pump/Controller ID#: — | Weather: 40° sunny

Well information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 27.72 ft. bmp.
Depth to Water*: 6.12 ft.
Length of Water Column (LWC): 21.6 in.
Well Diameter: ft. bmp.

Well Volume Multipliers:
☐ 1 in. = 0.041 gal/ft
☐ 2 in. = 0.163 gal/ft
☐ 4 in. = 0.653 gal/ft
☐ 6 in. = 1.469 gal/ft
☐ 8 in. = 2.611 gal/ft

* Measurement Point:
☐ Well Casing
☑ Protective Casing
☐ Other:
Well Volume: gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 0855
Initial Observations: *Color* cl. red (rust) *Odor* no *Sheen/Free Product* no

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (ms/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0	6.12	11.57	8.40	0.815	114	0.56	623	—	—
post purge	25.62	11.65	7.48	0.744	210	10.25	850	—	—
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 0920
DO Titrataion = mg/L
Total volume of groundwater purged: 8 gal.

Final Observations: *Color* cl. red *Odor* sulfur *Sheen/Free Product* no
Specific Gravity —

Sample ID: MW-1-110513 **Sample Time:** 15 15

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	no	1:1 HCl	Con-Test

Notes: Bail dry in morning allow to recover prior to sapling

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: MW-2
Northing:
Easting:

Site Name: Bomax | Sampling Method: Bailer | Field Personnel: NWV / JMN
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 11/05/13
Project #: 49512.300.001 | Pump/Controller ID#: | Weather: 40's Sunny

Well information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 26.81 ft. bmp.
Depth to Water*: 4.89 ft.
Length of Water Column (LWC): 21.92 in.
Well Diameter: # ft. bmp.

Well Volume Multipliers:
☐ 1 in. = 0.041 gal/ft
☐ 2 in. = 0.163 gal/ft
☐ 4 in. = 0.653 gal/ft
☐ 6 in. = 1.469 gal/ft
☐ 8 in. = 2.611 gal/ft

* Measurement Point:
☐ Well Casing
☑ Protective Casing
☐ Other:
Well Volume: gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 0856
Initial Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
—	—	11.17	7.19	0.996	325	3.00	57.0	—	—
post sample	19.2	11.50	7.63	1.07	208	4.35	140	—	—
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 0928
Total volume of groundwater purged: 8 gal.
DO Titrataion = — mg/L

Final Observations: *Color* Rusty *Odor* NM *Sheen/Free Product* None
Specific Gravity —

Sample ID: MW-2-110513 **Sample Time:** 1920

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	no	1:1 HCl	Con-Test

Notes: Bail dry in morning, allow to recover prior to sampling

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: MW-3
Northing:
Easting:

Site Name: Bomax | Sampling Method: Bailer | Field Personnel: NWV / JMN
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 11/5/13
Project #: 49512.300.001 | Pump/Controller ID#: | Weather: 45° Sunny

Well information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 29.92 ft. bmp.
Depth to Water*: 6.42 ft.
Length of Water Column (LWC): 23.5 in.
Well Diameter: ft. bmp.

Well Volume Multipliers:
☐ 1 in. = 0.041 gal/ft
☐ 2 in. = 0.163 gal/ft
☐ 4 in. = 0.653 gal/ft
☐ 6 in. = 1.469 gal/ft
☐ 8 in. = 2.611 gal/ft

* Measurement Point:
☐ Well Casing
☑ Protective Casing
☐ Other:
Well Volume: gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 0938
Initial Observations: *Color* clear *Odor* no *Sheen/Free Product* no

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0	6.42	10.64	7.91	3.80	-141	3.68	10.6	—	—
9	—	10.58	7.85	2.95	-91	~~3.68~~	7000	—	—
						8.05			
post Sample	28.3	11.15	7.32	2.39	185	10.65	240	—	—
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1005
Total volume of groundwater purged: 10 gal.
DO Titrataion = mg/L

Final Observations: *Color* sl. cloudy *Odor* sulfur *Sheen/Free Product* no
Specific Gravity

Sample ID: MW-3-110513 **Sample Time:** 1530

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	no	1:1 HCl	Con-Test

Notes: Bail dry in morning, allow to recover prior to sampling

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: MW12-01
Northing:
Easting:

Site Name: Bomax | Sampling Method: Bailer | Field Personnel: NWV / JMN
Site Location: Watertown, NY | Equipment Used: Bailer | Date:
Project #: 49512.300.001 | Pump/Controller ID#: | Weather:

Well information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 32.90 ft. bmp.
Depth to Water*: 9.53 ft.
Length of Water Column (LWC): 22.37 in.
Well Diameter: ft. bmp.

Well Volume Multipliers:
☐ 1 in. = 0.041 gal/ft
☐ 2 in. = 0.163 gal/ft
☐ 4 in. = 0.653 gal/ft (3.5 × 0.65)
☐ 6 in. = 1.469 gal/ft
☐ 8 in. = 2.611 gal/ft

* Measurement Point:
☒ Well Casing
☐ Protective Casing
☐ Other:

Well Volume: 11.2 gal.
Pump Intake Depth*: NA ft. bmp.

Start Purge Time: 1445
Initial Observations: *Color* cl. brown (particulates) *Odor* no *Sheen/Free Product* no

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (ms/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
Start	9.53	10.37	7.85	1.15	-58	3.80	>1000	-	-
11/6 post sample	29.68	13.55	8.13	1.22	281	4.20	31.1	-	-
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1530
DO Titrataion = — mg/L
Total volume of groundwater purged: 11.5 gal.

Final Observations: *Color* clear *Odor* no *Sheen/Free Product* no
Specific Gravity —

Sample ID: MW12-01-110613 **Sample Time:** 1230

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	no	1:1 HCl	Con-Test

Notes: Bail dry on 11/4, allow to recover and sample on 11/6

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: MW12-02
Northing:
Easting:

Site Name: Bomax | Sampling Method: Bailer | Field Personnel: NWV / JMN
Site Location: Watertown, NY | Equipment Used: Baile | Date: 11/5/13
Project #: 49512.300.001 | Pump/Controller ID#: | Weather: 50° pcloudy

Well information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 31.63 ft. bmp.
Depth to Water*: 21.85 ft.
Length of Water Column (LWC): 9.78 in.
Well Diameter: ft. bmp.

Well Volume Multipliers:
☐ 1 in. = 0.041 gal/ft
☒ 2 in. = 0.163 gal/ft
☐ 4 in. = 0.653 gal/ft
☐ 6 in. = 1.469 gal/ft
☐ 8 in. = 2.611 gal/ft

* Measurement Point:
☒ Well Casing
☐ Protective Casing
☐ Other:

Well Volume: 1.6 gal.
Pump Intake Depth*: NA ft. bmp.

Start Purge Time: 1342
Initial Observations: *Color* clear *Odor* *Sheen/Free Product* no

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0	21.85	15.04	7.50	1.34	243	5.40	250	—	—
1.6	23.03	14.98	7.22	1.24	242	2.98	>1000	—	—
3.2	23.51	14.91	7.09	1.23	246	4.30	>1000	—	—
4.8	23.69	14.90	7.07	1.33	250	4.26	>1000	—	—
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1400
DO Titrataion = _____ mg/L
Total volume of groundwater purged: 5 gal.

Final Observations: *Color* cl. brown *Odor* no *Sheen/Free Product* no
Specific Gravity —

Sample ID: MW12-02 - 110513 **Sample Time:** 1405

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	6	no	1:1 HCl	Con-Test

Notes: Field dup taken FD-01-110513
purged 3 well volumes and sampled

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: MW-12-03
Northing:
Easting:

Site Name:	Bomax	Sampling Method:	Bailer	Field Personnel:	NWV / JMN
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	11-05-13
Project #:	49512.300.001	Pump/Controller ID#:		Weather:	40's Sunny

Well information:

Installed Depth of Well*:		ft. bmp.
Measured Depth of Well*:	31.82	ft. bmp.
Depth to Water*:	7.42	ft.
Length of Water Column (LWC):	24.4	in.
Well Diameter:		ft. bmp.

Well Volume Multipliers:

- ☐ 1 in. = 0.041 gal/ft
- ☐ 2 in. = 0.163 gal/ft
- ☒ 4 in. = 0.653 gal/ft (3.5 - 0.5)
- ☐ 6 in. = 1.469 gal/ft
- ☐ 8 in. = 2.611 gal/ft

* Measurement Point:

- ☐ Well Casing
- ☐ Protective Casing
- ☐ Other:

Well Volume: 12.2 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1122
Initial Observations: *Color* Rusty *Odor* None *Sheen/Free Product* None

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
—	—	12.33	7.74	1.74	194	3.62	72000	—	—
1116 1042	1704	13.03	7.94	1.72	258	8.49	30.9	—	—
post sample									
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1156
DO Titrataion = — mg/L
Total volume of groundwater purged: 13 gal.

Final Observations: *Color* Rusty *Odor* None *Sheen/Free Product* None
Specific Gravity —

Sample ID: MW12-03-110613 **Sample Time:** 1045

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	no	1:1 HCl	Con-Test

Notes: bail dry on 1115, allow to recover and sample on 11/6

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: MW-12-04
Northing:
Easting:

Site Name: Bomax | Sampling Method: Bailer | Field Personnel: NWV / JMN
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 11-05-13
Project #: 49512.300.001 | Pump/Controller ID#: Bailer | Weather: 40's Sunny

Well information:

Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 31.73 ft. bmp.
Depth to Water*: 4.04 ft.
Length of Water Column (LWC): 27.69 in.
Well Diameter: ft. bmp.

Well Volume Multipliers:

☐ 1 in. = 0.041 gal/ft
☐ 2 in. = 0.163 gal/ft
☐ 4 in. = 0.653 gal/ft
☐ 6 in. = 1.469 gal/ft
☐ 8 in. = 2.611 gal/ft

* Measurement Point:
☐ Well Casing
☒ Protective Casing
☐ Other:

Well Volume: 13.9 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1025
Initial Observations: *Color* Rusty *Odor* None *Sheen/Free Product* None

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
—	—	11.65	7.78	0.746	39	2.73	588	—	—
	25-06	~~25.06~~					~~HH~~	—	—
		11.01	8.10	0.798	160	3.10	111		
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1100
DO Titrataion = — mg/L
Total volume of groundwater purged: 15 gal.
Final Observations: *Color* Rusty *Odor* None *Sheen/Free Product* None
Specific Gravity

Sample ID: MW12-04- **Sample Time:** 1550

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	no	1:1 HCl	Con-Test

Notes:

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: MW12-05
Northing:
Easting:

Site Name: Bomax | Sampling Method: Bailer | Field Personnel: NWV / JMN
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 11/4/13
Project #: 49512.300.001 | Pump/Controller ID#: | Weather: 50° mcloudy

Well information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 32.07 ft. bmp.
Depth to Water*: 17.76 ft.
Length of Water Column (LWC): 14.31 in.
Well Diameter: ft. bmp.

Well Volume Multipliers:
☐ 1 in. = 0.041 gal/ft
☐ 2 in. = 0.163 gal/ft
☐ 4 in. = 0.653 gal/ft (3.5 = 0.5)
☐ 6 in. = 1.469 gal/ft
☐ 8 in. = 2.611 gal/ft

*Measurement Point:
☒ Well Casing
☐ Protective Casing
☐ Other:
Well Volume: 7.7 gal.
Pump Intake Depth*: NA ft. bmp.

Start Purge Time: 1348
Initial Observations: *Color* clear *Odor* no *Sheen/Free Product* no

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (ms/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
Start	17.76	8.06	7.42	5.19	94	11.14	53.3	-	-
11/6 Post Sample	30.41	13.39	7.90	4.85	269	8.72	25.5	-	-
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1410
Total volume of groundwater purged: 8 gal.
DO Titrataion = — mg/L

Final Observations: *Color* clear *Odor* no *Sheen/Free Product* no
Specific Gravity —

Sample ID: MW12-05-110613 **Sample Time:** 1215

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	no	1:1 HCl	Con-Test

Notes: Bail dry on 11/4, allow to recover and sample on 11/6

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: MW-12-06
Northing:
Easting:

Site Name: Bomax | Sampling Method: Bailer | Field Personnel: NWV / JMN
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 11/05/13
Project #: 49512.300.001 | Pump/Controller ID#: | Weather: 40's Sunny

Well information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 32.05 ft. bmp.
Depth to Water*: 6.63 ft.
Length of Water Column (LWC): 25.42 in.
Well Diameter: ft. bmp.

Well Volume Multipliers:
☐ 1 in. = 0.041 gal/ft
☐ 2 in. = 0.163 gal/ft
☐ 3.5 in. = 0.6
☐ 4 in. = 0.653 gal/ft
☐ 6 in. = 1.469 gal/ft
☐ 8 in. = 2.611 gal/ft

* Measurement Point:
☐ Well Casing
☒ Protective Casing
☐ Other:
Well Volume: 12.7 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 0938
Initial Observations: Color Rusty Odor None Sheen/Free Product None

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
—	—	11.07	7.45	0.836	70	2.57	402	≤	≤
post sample	15.8	~~10~~ 10.96	7.97	1.09	139	5.84	168	—	—
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1012
Total volume of groundwater purged: 14 gal.
DO Titrataion = _____ mg/L

Final Observations: Color Rusty Odor None Sheen/Free Product None
Specific Gravity

Sample ID: MW12-06-110513 **Sample Time:** 1540

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	no	1:1 HCl	Con-Test

Notes: Bail dry on 11/5, allow to recover and sample

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: MW12-07
Northing:
Easting:

Site Name: Bomax | Sampling Method: Bailer | Field Personnel: NWV / JMN
Site Location: Watertown, NY | Equipment Used: | Date: 11/5/13
Project #: 49512.300.001 | Pump/Controller ID#: | Weather:

Well information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 28.95 ft. bmp.
Depth to Water*: 24.05 ft.
Length of Water Column (LWC): 4.9 in.
Well Diameter: ft. bmp.

Well Volume Multipliers:
☐ 1 in. = 0.041 gal/ft
☐ 2 in. = 0.163 gal/ft
☐ 4 in. = 0.653 gal/ft
☐ 6 in. = 1.469 gal/ft
☐ 8 in. = 2.611 gal/ft

*** Measurement Point:**
☒ Well Casing
☐ Protective Casing
☐ Other:
Well Volume: 0.8 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1409
Initial Observations: *Color* cl. brown *Odor* no *Sheen/Free Product* no

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (ms/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
gallons									
0	24.05	13.14	7.45	0.756	247	7.68	>1000	–	–
0.8	25.15	12.67	7.34	0.730	251	@ 11.83	>1000	–	–
1.6	26.89	12.30	7.21	0.751	252	2.90	>1000	–	–
2.4	27.72	12.05	7.18	0.754	251	1.91	>1000	–	–
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1418
DO Titrataion = mg/L
Total volume of groundwater purged: 2.5 gal.

Final Observations: *Color* cl. brown *Odor* no *Sheen/Free Product* no
Specific Gravity –

Sample ID: MW12-07-110513 **Sample Time:** 1420

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	no	1:1 HCl	Con-Test

Notes: Bail 3 well volumes and sample

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: MW12-08
Northing:
Easting:

Site Name: Bomax | Sampling Method: Bailer | Field Personnel: NWV / JMN
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 11/5/13
Project #: 49512.300.001 | Pump/Controller ID#: | Weather: 45° Sunny

Well information:

Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 29.97 ft. bmp.
Depth to Water*: 3.32 ft.
Length of Water Column (LWC): 26.65 in.
Well Diameter: ft. bmp.

Well Volume Multipliers:

- ☐ 1 in. = 0.041 gal/ft
- ☐ 2 in. = 0.163 gal/ft
- ☐ 4 in. = 0.653 gal/ft (3.5 ÷ 0.5)
- ☐ 6 in. = 1.469 gal/ft
- ☐ 8 in. = 2.611 gal/ft

* Measurement Point:

- ☐ Well Casing
- ☒ Protective Casing
- ☐ Other:

Well Volume: 13.3 gal.
Pump Intake Depth*: NA ft. bmp.

Start Purge Time: 1024

Initial Observations: *Color* clear to cl. white *Odor* no *Sheen/Free Product* no

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
–	3.32	11.13	7.62	1.31	-16	9.70	750	–	–
Post Sample	9.88	11.31	7.54	1.12	182	5.04	72.0	–	–
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1055
Total volume of groundwater purged: 17 gal.
DO Titrataion = _____ mg/L

Final Observations: *Color* _____ *Odor* _____ *Sheen/Free Product* _____
Specific Gravity _____

Sample ID: MW12-08-110513 **Sample Time:** 1555

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	no	1:1 HCl	Con-Test

Notes: Bail dry on 11/5, allow to recover and then sample

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: MW12-09
Northing:
Easting:

Site Name: Bomax | Sampling Method: Bailer | Field Personnel: NWV / JMN
Site Location: Watertown, NY | Equipment Used: Baile | Date: 11/5/13
Project #: 49512.300.001 | Pump/Controller ID#: | Weather: 50° Pclowdy

Well information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 29.93 ft. bmp.
Depth to Water*: 10.73 ft.
Length of Water Column (LWC): 19.2 in.
Well Diameter: ft. bmp.

Well Volume Multipliers:
☐ 1 in. = 0.041 gal/ft
☐ 2 in. = 0.163 gal/ft
☐ 4 in. = 0.653 gal/ft (x 3.5 = 0.5)
☐ 6 in. = 1.469 gal/ft
☐ 8 in. = 2.611 gal/ft

* Measurement Point:
☒ Well Casing
☐ Protective Casing
☐ Other:
Well Volume: 9.6 gal.
Pump Intake Depth*: NA ft. bmp.

Start Purge Time: 1212
Initial Observations: *Color* clear *Odor* no *Sheen/Free Product* no

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (ms/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0	10.73	12.34	8.41	0.707	138	7.21	405	—	—
1116 1123 (post sample)	23.75	13.10	7.79	0.942	254	4.82	33.8	—	—
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1235
Total volume of groundwater purged: ~~12~~ 11 gal.
DO Titrataion = _____ mg/L

Final Observations: *Color* clear *Odor* _____ *Sheen/Free Product* no
Specific Gravity —

Sample ID: MW12-09-110613 **Sample Time:** 1125

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	no	1:1 HCl	Con-Test

Notes:
Bail dry on 11/5, allow to recover and sample on 11/6

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: MW-12-10
Northing:
Easting:

Site Name: Bomax | Sampling Method: Bailer | Field Personnel: NWV / JMN
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 11-05-13
Project #: 49512.300.001 | Pump/Controller ID#: | Weather: 40's PC cloudy

Well information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 29.45 ft. bmp.
Depth to Water*: 9.79 ft.
Length of Water Column (LWC): 19.66 in.
Well Diameter: ft. bmp.

Well Volume Multipliers:
☐ 1 in. = 0.041 gal/ft
☐ 2 in. = 0.163 gal/ft
☐ 4 in. = 0.653 gal/ft
☐ 6 in. = 1.469 gal/ft
☐ 8 in. = 2.611 gal/ft

* Measurement Point:
☒ Well Casing
☐ Protective Casing
☐ Other:

Well Volume: 9.8 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1215
Initial Observations: Color Clear Odor None Sheen/Free Product None

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
—	—	11.88	7.86	1.14	68	12.06	72000	—	—
11/6 1110 (post sample)	10.05	13.13	7.57	1.40	272	5.52	55.0	—	—
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1242
Total volume of groundwater purged: 13 gal.
DO Titrataion = _____ mg/L

Final Observations: Color Cloudy Gray Odor None Sheen/Free Product None
Specific Gravity

Sample ID: MW12-10-110613 **Sample Time:** ~~1210~~ 1110

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	no	1:1 HCl	Con-Test

Notes: Bail dry on 11/5, allow 40 recover and sampled on 11/6

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: MW12-11
Northing:
Easting:

Site Name: Bomax | Sampling Method: Bailer | Field Personnel: NWV / JMN
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 11/5/13
Project #: 49512.300.001 | Pump/Controller ID#: | Weather: 50° Cloudy

Well information:
Installed Depth of Well*: ~~28.87~~ ft. bmp.
Measured Depth of Well*: 28.87 ft. bmp.
Depth to Water*: 14.42 ft.
Length of Water Column (LWC): 14.45 ~~14.47~~ in.
Well Diameter: ft. bmp.

Well Volume Multipliers:
☐ 1 in. = 0.041 gal/ft
☒ 2 in. = 0.163 gal/ft
☐ 4 in. = 0.653 gal/ft
☐ 6 in. = 1.469 gal/ft
☐ 8 in. = 2.611 gal/ft

* Measurement Point:
☒ Well Casing
☐ Protective Casing
☐ Other:
Well Volume: 2.4 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1310
Initial Observations: *Color* clear *Odor* no *Sheen/Free Product* no

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (ms/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0	14.42	13.10	7.57	2.98	222	3.44	>1000	—	—
2.4	17.46	14.34	7.23	2.51	230	3.80	>1000	—	—
4.8	18.05	14.60	7.17	2.51	237	10.48	>1000	—	—
7.2	18.00	14.38	7.11	2.59	238	3.93	~~>1000~~ 997	—	—
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1328
DO Titrataion = _____ mg/L
Total volume of groundwater purged: 7.2 gal.

Final Observations: *Color* cl. gray *Odor* no *Sheen/Free Product* no
Specific Gravity —

Sample ID: MW12-11-110513 (MS/MSD) **Sample Time:** 1330

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	9	no	1:1 HCl	Con-Test

Notes: MS/MSD collected
purged 3 well volumes and then sampled

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: MW12-12
Northing:
Easting:

Site Name: Bomax | Sampling Method: Bailer | Field Personnel: NWV / JMN
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 11/5/13
Project #: 49512.300.001 | Pump/Controller ID#: | Weather: 50° Pcloudy

Well information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 29.73 ft. bmp.
Depth to Water*: 11.55 ft.
Length of Water Column (LWC): 18.18 in.
Well Diameter: ft. bmp.

Well Volume Multipliers:
☐ 1 in. = 0.041 gal/ft
☐ 2 in. = 0.163 gal/ft
☐ 4 in. = 0.653 gal/ft (3.5 - 0.5)
☐ 6 in. = 1.469 gal/ft
☐ 8 in. = 2.611 gal/ft

* Measurement Point:
☑ Well Casing
☐ Protective Casing
☐ Other:
Well Volume: 9.1 gal.
Pump Intake Depth*: NA ft. bmp.

Start Purge Time: 1120
Initial Observations: *Color* clear *Odor* no *Sheen/Free Product* no

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celcius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0	11.55	11.86	7.71	0.831	150	9.77	447	—	—
11/6 1057	21.90	12.21	7.78	1.05	289	8.91	25.5	—	—
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1142
DO Titrataion = _____ mg/L
Total volume of groundwater purged: 10 gal.

Final Observations: *Color* clear *Odor* NO *Sheen/Free Product* NO
Specific Gravity —

Sample ID: MW12-12-110613 **Sample Time:** 1100

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	no	1:1 HCl	Con-Test

Notes: purged dry on 11/5, allow to recover and sample on 11/6

O'Brien & Gere Engineers, Inc. — **Standard Ground Water Sampling Log**

Date: 2/27/2014
Site Name: Bomax
Location: Watertown, NY
Project No.: 8653.49512
Personnel: Nvogan

Weather: 20° H Snow
Well #: MW12- 13
Evacuation Method: Bailer
Sampling Method: Bailer

Well Information:

Depth of Well *	32.91	ft.
Depth to Water *	9.24	ft.
Length of Water Column	23.67	ft.
Volume of Water in Well	11.8	gal.(s)
3X Volume of Water in Well	35.4	gal.(s)

Water Volume /ft. for:
- ___ 2" Diameter Well = 0.163 X LWC
- ___ 4" Diameter Well = 0.653 X LWC
- X 3.5" Diameter Well = 0.500 X LWC

Volume removed before sampling: 13.5 gal.(s)
Did well go dry? Y

* Measurements taken from: [X] Well Casing [ ] Protective Casing [ ] (Other, Specify)

Instrument Calibration:

pH Buffer Readings
- 4.0 Standard: ___
- 7.0 Standard: ___
- 10.0 Standard: ___

Conductivity Standard Readings
- 84 S Standard: ___
- 1413 S Standard: ___

Water parameters:

	Gallons Removed	Temperature Readings	pH Readings	Conductivity Readings ~~uS~~ mS/cm	Turbidity Readings Ntu
initial	0	11.24	8.15	2.23	38.6
	10	8.28	7.87	2.12	4.65
	13.5	7.55	8.03	2.43	6.15

Water Sample:
Time Collected: 1200 ~~FB~~

Physical Appearance at Start		Physical Appearance at Sampling	
Color	clear	Color	clear
Odor	no	Odor	sulfur
Turbidity (> 100 NTU)	no	Turbidity (> 100 NTU)	no
Sheen/Free Product	no	Sheen/Free Product	no

Samples collected: MW12- 13- 022714 / FD-01- 022714

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
3 40mL	VOA	3	N	HCl	—
40mL	VOA	3	N	HCl	—

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Ground Water Sampling Log**

Date: 2/27/2014
Site Name: Bomax
Location: Watertown, NY
Project No.: 8653.49512
Personnel: Nvogan

Weather: 20° L Snow
Well #: MW12- 14
Evacuation Method: Bailer
Sampling Method: Bailer

Well Information:

Depth of Well *	27.56	ft.
Depth to Water *	21.58	ft.
Length of Water Column	5.98	ft.
Volume of Water in Well	0.97	gal.(s)
3X Volume of Water in Well	~3	gal.(s)

Water Volume /ft. for:
- X 2" Diameter Well = 0.163 X LWC
- 4" Diameter Well = 0.653 X LWC
- 3.5" Diameter Well = 0.500 X LWC

Volume removed before sampling: 3 gal.(s)
Did well go dry? N

* Measurements taken from: [X] Well Casing [ ] Protective Casing [ ] (Other, Specify)

Instrument Calibration:

pH Buffer Readings		Conductivity Standard Readings	
4.0 Standard		84 S Standard	
7.0 Standard		1413 S Standard	
10.0 Standard			

Water parameters:

	Gallons Removed	Temperature Readings	pH Readings	Conductivity Readings ~~uS~~/cm mS	Turbidity Readings Ntu
initial	0	4.97	9.87	3.58	20.9
	1	5.65	9.00	3.12	352
	2	5.84	8.64	3.06	94.2
	3	5.95	8.46	3.05	119

Water Sample:
Time Collected: 1515

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Clear	Color	Clear
Odor	no	Odor	no
Turbidity (> 100 NTU)	no	Turbidity (> 100 NTU)	yes
Sheen/Free Product	no	Sheen/Free Product	no

Samples collected: MW12-14-022714 / MW12-14-022714 MS / MW12-14-022714-MSD

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40 mL	VOA	9	N	HCl	—

Notes:

O'Brien & Gere Engineers, Inc. — **Standard Ground Water Sampling Log**

Date: 2/27/2014
Site Name: Bomax
Location: Watertown, NY
Project No.: 8653.49512
Personnel: Nvogan

Weather: 20° HSnow
Well #: MW12- 15
Evacuation Method: Bailer
Sampling Method: Bailer

Well Information:

Depth of Well *	32.51	ft.
Depth to Water *	4.72	ft.
Length of Water Column	27.79	ft.
Volume of Water in Well	13.9	gal.(s)
3X Volume of Water in Well	41.7	gal.(s)

Water Volume /ft. for:
- ___ 2" Diameter Well = 0.163 X LWC
- ___ 4" Diameter Well = 0.653 X LWC
- X 3.5" Diameter Well = 0.500 X LWC

Volume removed before sampling: 15 gal.(s)
Did well go dry? Y

* Measurements taken from: [X] Well Casing [ ] Protective Casing [ ] (Other, Specify)

Instrument Calibration:

pH Buffer Readings		Conductivity Standard Readings	
4.0 Standard		84 S Standard	
7.0 Standard		1413 S Standard	
10.0 Standard			

Water parameters:

	Gallons Removed	Temperature Readings	pH Readings	Conductivity Readings ~~uS~~/cm (mS)	Turbidity Readings Ntu
initial	0	3.46	9.03	2.00	806
	10	5.40	10.42	2.08	300
	15	7.12	10.66	2.10	160

Water Sample:
Time Collected: 1300

Physical Appearance at Start		Physical Appearance at Sampling	
Color	Cl. gray	Color	clear
Odor	no	Odor	no
Turbidity (> 100 NTU)	yes	Turbidity (> 100 NTU)	no
Sheen/Free Product	no	Sheen/Free Product	no

Samples collected: MW12-15-022714

Container Size	Container Type	# Collected	Field Filtered	Preservative	Container pH
40mL	VOA	3	N	HCl	—

Notes:

Conventional Groundwater Sampling Log

Well ID: MW-01
Northing:
Easting:

Site Name: BOMAX
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: —

Field Personnel: CVV, AJF
Date: 11/12/15 - 11/13
Weather: Rain, 40-50°F

Well information:

Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 27.72 ft. bmp.
Depth to Water*: 6.90 ft. bmp.
Length of Water Column (LWC): 21.82 ft.
Well Diameter: ~~4~~ 3.5 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
___ Protective Casing
___ Other:

Well Volume: 10.91 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1050
Initial: Color clear Odor ND Sheen/Free Product ND

indicate units

Elapsed Time	Volume Purged	Temperature °C	pH S.I. units	Conductivity mS/cm	Other
Initial	0	11.0	8.60	0.62	—
1125	1	10.7	8.78	1.26	
	—	—	—	—	DRY
DTW @ 25.36'					

11/13

End Purge Time: 1127
Total volume of groundwater purged: ____ gal.

DO Titrataion: ____ mg/L

Final: Color cloudy Odor ND Sheen/Free Product ND

Analytical Sample ID: MW-01-111315 Date: 11/13/15 Time: 1120

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	Glass	3	No	HCl	

Notes: Purged MW-01 MW-12
Sampled on 11/13/15

Conventional Groundwater Sampling Log

Well ID: MW-2
Northing:
Easting:

Site Name: BOMAX
Site Location: Watertown
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#:

Field Personnel: AJF/CJV
Date: 11/12/15
Weather: RAIN, 40-50°F

Well Information:

Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 26.72 ft. bmp.
Depth to Water*: 6.3 ft. bmp.
Length of Water Column (LWC): 20.42 ft.
Well Diameter: 4 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: 13.3 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1515
Initial: Color Clear w/ ~~Iron~~ orange Particulate Odor No Sheen/Free Product No

indicate units

Elapsed Time min	Volume Purged gal	Temperature °C	pH S.I. units	Conductivity ms/cm	Other
Initial	0	11.0	7.46	~~0.57~~ 1.20	
11/13 DTW @ 10.20'					

End Purge Time: 1550
Total volume of groundwater purged: 8.5 gal.
DO Titrataion: ___ mg/L
Final: Color Rust Odor Slight Earthy Sheen/Free Product NO

Analytical Sample ID: MW-2-111315 Date: 11/13/15 Time: 1050

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 mL	Glass	3	No	HCl	

Notes: Purged on 11/12/15
Sampled on 11/13/15

Conventional Groundwater Sampling Log

Well ID: MW-3
Northing:
Easting:

Site Name: BOMAX
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#:

Field Personnel: CVV, AJF
Date: 11/12/15
Weather: RAIN, 40's 50's

Well information:

Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 29.92 ft. bmp.
Depth to Water*: 7.70 ft. bmp.
Length of Water Column (LWC): 22.22 ft.
Well Diameter: 4 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
__ Protective Casing
__ Other:

Well Volume: 11.11 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1505
Initial: *Color* Clear *Odor* NO *Sheen/Free Product* NO

indicate units

Elapsed Time min	Volume Purged gal	Temperature °C	pH S.I. units	Conductivity mS/cm	Other
Initial	0	11.0	7.46	1.66	
1530	1	11.0	7.96	3.07	
1538	-	-	-	-	DRY

11/13 DTW @ ~24.00'

End Purge Time: 1538
Total volume of groundwater purged: 12 gal.
DO Titrataion: — mg/L

Final: *Color* Light Gray *Odor* ND *Sheen/Free Product* ND

Analytical Sample ID: MW-3-11315 **Date:** 11/13/15 **Time:** 1100

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 mL	Glass	3	NO	HCl	

Notes: Well purged dry on 11-12
Sampled on 11/13/15

Conventional Groundwater Sampling Log

Well ID: MW-12-01
Northing:
Easting:

Site Name: BOMAX
Site Location: WILLISTON
Project #: 19512

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#:

Field Personnel: CVV/AF
Date: 11-10-15
Weather: cloudy 50's

Well information:

Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 31.85 ft. bmp.
Depth to Water*: 9.45 ft. bmp.
Length of Water Column (LWC): 22.40 ft.
Well Diameter: 3.5 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
3.5 = 0.5
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other:

Well Volume: 11.2 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1115
Initial: *Color* clear *Odor* ND *Sheen/Free Product* ND

Elapsed Time	Volume Purged	Temperature	pH	Conductivity	Other
			S.I. units	ms/cm	Turbidity (NTU)
Initial	0	13.4	8.25	0.94	30.4
1200	11.2	13.7	8.19	1.02	-
1210	-	-	-	-	DRY

End Purge Time: 1210
Total volume of groundwater purged: 15 gal.
DO Titrataion: — mg/L

Final: *Color* cloudy *Odor* ND *Sheen/Free Product* ND

Analytical Sample ID: MW-12-01-111115 Date: 11-11-15 Time: 1125

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40ml	Glass	3	No	HCl	

Notes: 11-10- Purged dry. Wait for recovery
11-11- Water sampled

Conventional Groundwater Sampling Log

Well ID: MW2-02
Northing:
Easting:

Site Name: BOMAX
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: —

Field Personnel: CMV, AJF
Date: 11/3/15
Weather: Windy, 40+°F

Well information:

Installed Depth of Well*: ~~2~~ ft. bmp.
Measured Depth of Well*: 31.63 ft. bmp.
Depth to Water*: 21.64 ft. bmp.
Length of Water Column (LWC): 9.99 ft.
Well Diameter: 2 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: 1.63 gal.
Pump Intake Depth*: ___ ft. bmp.

Start Purge Time: 1515
Initial: Color If. Light Brown - Clear Odor No Sheen/Free Product No

indicate units

Elapsed Time min	Volume Purged gal	Temperature °C	pH S.I. units	Conductivity mS/cm	Other
Initial	0	10.3	7.07	1.74	
5	~1.6	13.1	7.00	0.92	
12	3-3.5	13.8	7.00	0.91	
20	4.5-5	13.9	7.02	0.95	

End Purge Time: 1535
Total volume of groundwater purged: ~5 gal.
DO Titrataion: / mg/L
Final: Color Light Brown Odor No Sheen/Free Product No

Analytical Sample ID: MW2-02-111315* Date: 11/3/15 Time: 1540

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	Glass	6*	No	HCl	

Notes: X-2-111315 (Field Dup #2)

Conventional Groundwater Sampling Log

Well ID: MW12-03
Northing:
Easting:

Site Name: BOMAX
Site Location: Watertown, NY
Project #: 49512
Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: —
Field Personnel: AJF
Date: 11/11/15
Weather: Overcast, 40s °F

Well information:
Installed Depth of Well*: 31.82 ft. bmp.
Measured Depth of Well*: 31.80 ft. bmp.
Depth to Water*: 8.37 ft. bmp.
Length of Water Column (LWC): 23.43 ft.
Well Diameter: 4 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
(4 in. = 0.653 gal/ft)
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
Well Casing
X Protective Casing
Other:
Well Volume: 15.3 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1230
Initial: Color Light Brown Odor No Sheen/Free Product No

indicate units

Elapsed Time min	Volume Purged gal	Temperature °C	pH S.U. units	Conductivity	Other
Initial	0	13.0	7.52	2.70	
53	~13	DRY	DRY	DRY	
11/12 DTW@					

End Purge Time: 1323
Total volume of groundwater purged: ~13 gal.
DO Titrataion: — mg/L
Final: Color Orange-Brown Odor No Sheen/Free Product No

Analytical Sample ID: MW12-03-111215 Date: 11/12/15 Time: 1135

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	Glass	3	No	HCl	

Notes: Purged until dry on 11/11/15
Sampled 11/12/15

Conventional Groundwater Sampling Log

Well ID: MW12-04
Northing:
Easting:

Site Name: BOMAX
Site Location: Watertown, NY
Project #: 49512
Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: —
Field Personnel: AJF
Date: 11/11/15
Weather: Overcast, 40's°F

Well information:

Installed Depth of Well*:		ft. bmp.
Measured Depth of Well*:	31.94	ft. bmp.
Depth to Water*:	4.99	ft. bmp.
Length of Water Column (LWC):	26.95	ft.
Well Diameter:	3.5	in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
3.5 = 0.5
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

*** Measurement Point:**

Well Casing
X Protective Casing
Other:

Well Volume: 13.5 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1520
Initial: Color Rust Brown Odor No Sheen/Free Product No

indicate units

Elapsed Time (min)	Volume Purged (gal)	Temperature (°C)	pH (S.I. units)	Conductivity (mS/cm)	Other
Initial	0	10.8	7.56	0.51	
60	13.5	10.8	7.62	0.49	
121	17	DRY	DRY	DRY	
DTW@ 18.28					

11/2

End Purge Time: 1641
Total volume of groundwater purged: 17 gal.
DO Titrataion: mg/L
Final: Color Light Rust Odor No Sheen/Free Product NO

Analytical Sample ID: MW12-04-111215 Date: 11/12/15 Time: 1050

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	Glass	3	No	HCl	

Notes: Purged 11/11/15
Sampled 11/12/15

Conventional Groundwater Sampling Log

Well ID: MW-12-05
Northing:
Easting:

Site Name: BOMAX | Sampling Method: Bailer | Field Personnel: LVV MF
Site Location: WATCHTOWER | Equipment Used: Bailer | Date: 11-10-15
Project #: 49512 | Pump/Controller ID#: — | Weather: Sunny 55°F

Well information:

Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 31.98 ft. bmp.
Depth to Water*: 17.68 ft. bmp.
Length of Water Column (LWC): 14.30 ft.
Well Diameter: 3.5 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
3.5 ≈ 0.5
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other:

Well Volume: 7.15 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1225
Initial: Color ___ Odor ___ Sheen/Free Product ___

Elapsed Time	Volume Purged	Temperature	pH (S.I. units)	Conductivity (indicate units)	Other
Initial	0	12.0	7.62	5.94	
1300	7.15	13.0	7.60	6.00	~~DRY~~
1310	—	—	—	—	DRY
DTW @ 31.10					

11/12

End Purge Time: 1310
Total volume of groundwater purged: 7.5 gal.
DO Titrataion: — mg/L

Final: Color cloudy Odor NO Sheen/Free Product NO

Analytical Sample ID: MW12-05-111215 Date: 11/12/15 Time: 1005

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	Glass	3	No	HCl	

Notes: 11-10 - purged dry water very cloudy
11-12 - water sampled

Conventional Groundwater Sampling Log

Well ID: MW-12-06
Northing:
Easting:

Site Name: BOMAX
Site Location: WATERTOWN
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#:

Field Personnel: CW/AYS
Date: 11-13-15
Weather: windy

Well Information:

Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 32.00 ft. bmp.
Depth to Water*: 6.43 ft. bmp.
Length of Water Column (LWC): 25.57 ft.
Well Diameter: 3.5 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
___ Protective Casing
___ Other:

Well Volume: 12.78 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 0950
Initial: Color Clear Odor NO Sheen/Free Product NO

indicate units

Elapsed Time	Volume Purged	Temperature °C	pH S.I. units	Conductivity mS/cm	Other
Initial	0	10.0	7.98	0.88	~~Lapse~~
1010	1	9.9	7.45	0.90	—
	—	—	—	—	DTW @ 25.43

11/13

End Purge Time: 1025
Total volume of groundwater purged: 15 gal.

DO Titration: — mg/L

Final: Color Light Orange Odor NO Sheen/Free Product NO

Analytical Sample ID: MW2-06-111315 Date: 11/13/15 Time: 1340

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 mL	Glass	3	No	HCl	

Notes: well purged dry on 11-13
Sampled on 11/13

Conventional Groundwater Sampling Log

Well ID: MW2-07
Northing:
Easting:

Site Name: BOMAX
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: —

Field Personnel: CJW, AJF
Date: 11/13/15
Weather: Windy, 40°F+

Well information:

Installed Depth of Well*:		ft. bmp.
Measured Depth of Well*:	29.95	ft. bmp.
Depth to Water*:	24.49	ft. bmp.
Length of Water Column (LWC):	4.46	ft.
Well Diameter:	2	in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
(2 in.) = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
__ Protective Casing
__ Other:

Well Volume: 0.73 gal.
Pump Intake Depth*: ____ ft. bmp.

Start Purge Time: 1440
Initial: Color Light Grey Odor No Sheen/Free Product No
(indicate units)

Elapsed Time min	Volume Purged gal	Temperature °C	pH S.I. units	Conductivity mS/cm	Other
Initial	0	9.4	7.10	0.97	
5	0.5-1	10.3	7.03	0.80	
10	1.4-2	10.3	7.04	0.85	
15	2-2.5	10.7	7.23	0.84	

End Purge Time: 1455
Total volume of groundwater purged: 2.5-3 gal.
DO Titration: ____ mg/L

Final: Color Light Brown Odor No Sheen/Free Product No

Analytical Sample ID: MW12-07-111315* Date: 11/13/15 Time: 1500

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	Glass	9 *	No	HCl	

Notes: MW12-07-111315-MS
MW12-07-111315-MSD

Conventional Groundwater Sampling Log

Well ID: MW-12-08
Northing:
Easting:

Site Name: BOMAX
Site Location: WESTERN DIV
Project #:

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#:

Field Personnel: CYV
Date: 11-12-15
Weather: cloudy 50°F

Well information:

Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 30.10 ft. bmp.
Depth to Water*: 4.83 ft. bmp.
Length of Water Column (LWC): 25.27 ft.
Well Diameter: ~~4~~ 3.5 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
~~4~~ 3.5 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
Well Casing
X Protective Casing
Other:

Well Volume: 12.59 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1650
Initial: Color orange Odor NO Sheen/Free Product NO

Elapsed Time	Volume Purged	Temperature	pH	Conductivity	Other
			S.I. units	ms/cm	
Initial	0	10.2	7.78	1.61	-
1633	1	11.1	7.63	0.66	-
1650	-	-	-	-	dry
DTW@ 17.65'					

11/12

End Purge Time: 1650
Total volume of groundwater purged: 15 gal.
DO Titrataion: — mg/L

Final: Color Light orange Odor NO Sheen/Free Product NO

Analytical Sample ID: MW12-08-111215 Date: 11/12/15 Time: 1105

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	Glass	3	No	HCl	

Notes: well purged dry on 1st II
Sampled 11/12/15

Conventional Groundwater Sampling Log

Well ID: MW12-09
Northing:
Easting:

Site Name: BOMAX
Site Location: Watertown, NY
Project #:

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#:

Field Personnel: CJV, AJF
Date: 11/10/15
Weather: Overcast, 40s°F

Well Information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 29.72 ft. bmp.
Depth to Water*: 11.41 ft. bmp.
Length of Water Column (LWC): 18.31 ft.
Well Diameter: 4 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
(4 in.) = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: 11.96 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1615
Initial: Color Light White-Clear, some Particulate Odor No Sheen/Free Product No

Elapsed Time	Volume Purged	Temperature	pH	Conductivity	Other
		indicate units	S.I. units		
Initial	0	11.1	7.49	1.61	
3.5	11.5-12	11.1	8.26	1.67	
44	12-12.5	DRY	DRY	DRY	
DTW @ 26.5'					

11/11

End Purge Time: 1654
Total volume of groundwater purged: 12-12.5 gal.
DO Titrataion: ___ mg/L
Final: Color Light Grey Odor No Sheen/Free Product NO

Analytical Sample ID: MW12-09-111115 Date: 11/11/15 Time: 1025

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	Glass	3	No	HCl	

Notes: Purged dry on 11/10/15; Water sampled on 11/11/15

Conventional Groundwater Sampling Log

Well ID: MW12-RO
Northing:
Easting:

Site Name: BOMAX
Site Location: Watertown, NY
Project #:

Sampling Method: Low Bailer
Equipment Used: Bailer
Pump/Controller ID#: —

Field Personnel: AJF, CJV
Date: 11/10/15 - 11/11/15
Weather: Overcast, 50°F

Well information:

Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 29.40 ft. bmp.
Depth to Water*: 10.30 ft. bmp.
Length of Water Column (LWC): 19.10 ft.
Well Diameter: 4 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
(4 in.) = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: 12.42 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1349
Initial: Color Clear, Some Particulate Odor No Sheen/Free Product No

indicate units

Elapsed Time min	Volume Purged	Temperature	pH S.I. units	Conductivity	Other
Initial	0	12.5	7.27	3.45	
60	12.1-12.5	12.7	7.49	2.88	
110	15-16	Dry	Dry	Dry	
DTW@ 11.11					

11/11

End Purge Time: 1539
Total volume of groundwater purged: 15.5 gal.

DO Titrataion: / mg/L

Final: Color Light Brown Odor No Sheen/Free Product No

Analytical Sample ID: MW12-10-111015 Date: 11/10/15 Time: 1000

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40ml	Glass	3	No	HCl	

Notes: Purged dry on 11/10/15; Sampled water on 11/11/15

Conventional Groundwater Sampling Log

Well ID: MW-12-11
Northing:
Easting:

Site Name: BOMAX
Site Location: WATERTOWN
Project #:

Sampling Method: Bailed
Equipment Used: Bailer
Pump/Controller ID#:

Field Personnel: CW / AL
Date: 11-13-15
Weather: windy 40°F

Well information:

Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 28.87 ft. bmp.
Depth to Water*: 24.55 ft. bmp.
Length of Water Column (LWC): 14.32 ft.
Well Diameter: 2 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
X 2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: 2.33 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1217

Initial: *Color* clear *Odor* ND *Sheen/Free Product* ND

indicate units

Elapsed Time	Volume Purged	Temperature °C	pH S.I. units	Conductivity mS/cm	Other
Initial	0	12.0	6.97	2.17	-
1234	2.33	13.7	7.00	2.20	-
1246	4.66	11.2	7.32	1.97	
1254	6.99	12.0	7.09	2.35	

End Purge Time: 1257

Total volume of groundwater purged: 7 gal.

DO Titrataion: - mg/L

Final: *Color* cloudy *Odor* ND *Sheen/Free Product* ND

Analytical Sample ID: MW-12-11-111315* **Date:** 11-13-15 **Time:** 1257

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	glass	3	ND	HCl	

Notes: Removed 3 well Vol. and Sample
*MS/MSD Done

Conventional Groundwater Sampling Log

Well ID: MW12-12
Northing:
Easting:

Site Name: BOMAX
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: —

Field Personnel: ATF
Date: 11/11/15
Weather: Overcast, 40-50°F

Well information:

Installed Depth of Well*: ____ ft. bmp.
Measured Depth of Well*: 29.70 ft. bmp.
Depth to Water*: 11.64 ft. bmp.
Length of Water Column (LWC): 18.06 ft.
Well Diameter: 3.5 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
3.5 = 0.5 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
__ Protective Casing
__ Other:

Well Volume: 4.03 gal.
Pump Intake Depth*: ____ ft. bmp.

Start Purge Time: 1353
Initial: Color Clear Odor No Sheen/Free Product No

indicate units

Elapsed Time min	Volume Purged gal	Temperature °C	pH S.I. units	Conductivity mS	Other
Initial	0	13.5	7.54	3.63	
37	9-9.25	12.6°	7.35	3.44	
55	11-11.5	DRY	DRY	DRY	
DTW@					
24.50'					

11/2

End Purge Time: 1448
Total volume of groundwater purged: 11-11.5 gal.
DO Titrataion: / mg/L
Final: Color Light Brown Odor No Sheen/Free Product No

Analytical Sample ID: MW12-12-11215 Date: 11/12/15 Time: 1205

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass	3	No	HCl	

Notes: Purged dry on 11/11/15
Sampled on 11/12/15

Conventional Groundwater Sampling Log

Well ID: MW-12-13
Northing:
Easting:

Site Name: Romax
Site Location: Wadsworth
Project #: 49512
Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: —
Field Personnel: CJH
Date: 11-12-15
Weather: Rain

Well information:
Installed Depth of Well*: ____ ft. bmp.
Measured Depth of Well*: 32.91 ft. bmp.
Depth to Water*: 7.63 ft. bmp.
Length of Water Column (LWC): 25.28 ft.
Well Diameter: 3.5 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
___ Protective Casing
___ Other:
Well Volume: 12.64 gal.
Pump Intake Depth*: ____ ft. bmp.

Start Purge Time: 1135
Initial: *Color* Grayish *Odor* NO *Sheen/Free Product* NO

indicate units

Elapsed Time	Volume Purged	Temperature °C	pH S.I. units	Conductivity mS/	Other
Initial	0	10.3	7.74	2.84	
1222	1	10.5	7.96	1.51	
DTW@	9.00+				

11/13

End Purge Time: ____ DO Titrataion: ____ mg/L
Total volume of groundwater purged: ____ gal.
Final: *Color* ____ *Odor* ____ *Sheen/Free Product* ____

Analytical Sample ID: MW2-13-111315 **Date:** 11/13/15 **Time:** 1020

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	Glass	3	NO	HCl	

Notes: Purged on 11/12/15
Sampled on 11/13/15

Conventional Groundwater Sampling Log

Well ID: MW2-14
Northing:
Easting:

Site Name: BOMAX
Site Location: Watertown, NY
Project #: 49512
Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#:
Field Personnel: CJV, ATF
Date: 11/13/15
Weather: Rain, Wind, 40-50

Well information:

Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: ~~28.87~~ ft. bmp 24.94
Depth to Water*: 4.77 ft. bmp.
Length of Water Column (LWC): ~~24.10~~ ft. 20.17
Well Diameter: 2 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: ~~3.93~~ gal. 3.28
Pump Intake Depth*: ft. bmp.

Start Purge Time: ~~1215~~ ~~1220~~ 1230
Initial: Color Light Grey Odor No Sheen/Free Product No

Elapsed Time (min)	Volume Purged (gal)	Temperature (°C)	pH (S.I. units)	Conductivity (mS/cm)	Other
Initial	0	12.4	7.03	1.33	
1240 10	~3.25	13.7	7.24	1.19	
1250 20	~6.5	12.7	7.20	1.16	
1300 ~~30~~	~10	13.2	7.22	1.30	

End Purge Time: 1300
Total volume of groundwater purged: 10 gal.
DO Titrataion: ~~Z~~ mg/L
Final: Color Brown Odor No Sheen/Free Product No

Analytical Sample ID: MW2-14-111315 * Date: 11/13/15 Time: 1310

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 mL	Glass	6*	No	HCl	

Notes: Field Dup: X-1-111315

Conventional Groundwater Sampling Log

Well ID: MW-12-15
Northing:
Easting:

Site Name: BOMAX
Site Location: Watertown, NY
Project #: 49572

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#:

Field Personnel: CJV, AJF
Date: 11/13/15
Weather: Windy, Overc; 40-50

Well information:

Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 32.95 ft. bmp.
Depth to Water*: 4.50 ft. bmp.
Length of Water Column (LWC): 27.95 ft.
Well Diameter: 3.5 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing.
___ Protective Casing
___ Other:

Well Volume: 13.96 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1550
Initial: Color Odor Sheen/Free Product

Elapsed Time	Volume Purged	Temperature (indicate units) °C	pH S.I. units	Conductivity ms/cm	Other
Initial	0	12.8	7.76	5.63	-
	1	10.5	7.46	3.90	
11/13 DTW @ 27.24'					

End Purge Time:
DO Titrataion: mg/L
Total volume of groundwater purged: gal.

(Samp) Final: Color Clear Odor Slight Sulfur Sheen/Free Product No

Analytical Sample ID: MW2-15-111315 Date: 11/13/15 Time: 1005

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	Glass	3	No	HCl	

Notes: Purged on 11/12/15
Sampled on 11/13/15

Conventional Groundwater Sampling Log

Well ID: MW2-16
Northing:
Easting:

Site Name: BOMAX
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: 2

Field Personnel: CVV, AJF
Date: 11/12/15
Weather: Overcast, Windy, 40-50°F

Well information:

Installed Depth of Well*: _____ ft. bmp.
Measured Depth of Well*: _____ ft. bmp.
Depth to Water*: 28.2 ft. bmp.
Length of Water Column (LWC): _____ ft.
Well Diameter: 4 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other: _____
Well Volume: _____ gal.
Pump Intake Depth*: _____ ft. bmp.

Start Purge Time: _____
Initial: *Color* _____ *Odor* _____ *Sheen/Free Product* _____

indicate units

~~Elapsed~~ Time	Volume Purged	Temperature °C	pH S.I. units	Conductivity mS/cm	Other
Initial	*0*				
1347	0	11.8	12.20	2.15	

End Purge Time: _____
Total volume of groundwater purged: _____ gal.
DO Titrataion: _____ mg/L
Final: *Color* _____ *Odor* _____ *Sheen/Free Product* _____

Analytical Sample ID: MW2-16-111215 **Date:** 11/12/15 **Time:** 1347

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40ml	Glass	3	No	HCl	

Notes: * Well Developed Prior to sampling, see Dev-Log for details.

Conventional Groundwater Sampling Log

Well ID: MW12-17
Northing:
Easting:

Site Name: BOMAX
Site Location: Watertown, NY
Project #: 49512
Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#:
Field Personnel: CM, AJF
Date: 11/12/15
Weather: Overcast, 40s F

Well information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: ft. bmp.
Depth to Water*: 28.90 ft. bmp.
Length of Water Column (LWC): ft.
Well Diameter: in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:
Well Volume: gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time:
Initial: *Color* *Odor* *Sheen/Free Product*

indicate units

~~Elapsed~~ Time	Volume Purged	Temperature °C	pH S.I. units	Conductivity mS/cm	Other
Initial	0				
	0				
1330	0	11.3	7.95	2.83	

End Purge Time:
Total volume of groundwater purged: gal.
DO Titrataion: mg/L
Final: *Color* *Odor* *Sheen/Free Product*

Analytical Sample ID: MW12-17-111215 Date: 11/12/15 Time: 1330

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	Glass	3	No	HCl	

Notes: * Well Developed prior to Sampling, See WDL for details.

Conventional Groundwater Sampling Log

Well ID: MW12-18
Northing:
Easting:

Site Name: BoMAX
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#:

Field Personnel: ATF, MV
Date: 11/12/15
Weather: Rain, 40-50°F

Well information:

Installed Depth of Well*:		ft. bmp.
Measured Depth of Well*:	210.03	ft. bmp.
Depth to Water*:	8.67	ft. bmp.
Length of Water Column (LWC):	18.36	ft.
Well Diameter:	2	in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: 7 gal.
Pump Intake Depth*: ___ ft. bmp.

Start Purge Time:
Initial: *Color* ___ *Odor* ___ ***Sheen/Free Product*** ___

indicate units

~~Elapsed~~ Time	Volume Purged	Temperature °C	pH S.I. units	Conductivity mS/cm	Other
Initial	*0*				
* 1255	✓	11.16	8.48	0.55	

End Purge Time:
Total volume of groundwater purged: ___ gal.
DO Titrataion: ___ mg/L

Final: *Color* ___ *Odor* ___ ***Sheen/Free Product*** ___

Analytical Sample ID: MW12-18-111215 **Date:** 11/12/15 **Time:** 1250

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 mL	Glass	3	No	HCl	

Notes: * Well was developed prior to sampling, for purge data see MW12-18 Well Development Log.

Conventional Groundwater Sampling Log

Well ID: MW12-19
Northing:
Easting:

Site Name: BOMAX
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#:

Field Personnel: CJV, AJF
Date: 11/12/15
Weather: Overcast, 40-50F

Well information:

Installed Depth of Well*: ____ ft. bmp.
Measured Depth of Well*: ____ ft. bmp.
Depth to Water*: 8.20 ft. bmp.
Length of Water Column (LWC): ____ ft.
Well Diameter: 4 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other: ____

Well Volume: ____ gal.
Pump Intake Depth*: ____ ft. bmp.

Start Purge Time: ____

Initial: *Color* ____ *Odor* ____ *Sheen/Free Product* ____

indicate units

~~Elapsed~~ Time	Volume Purged	Temperature °C	pH S.I. units	Conductivity mS/cm	Other
Initial	0				
*	0				
1310	0	12.30	8.99	0.55	

End Purge Time: ____

Total volume of groundwater purged: ____ gal.

DO Titrataion: ____ mg/L

Final: *Color* ____ *Odor* ____ *Sheen/Free Product* ____

Analytical Sample ID: MW12-19-111215 **Date:** 11/12/15 **Time:** 1310

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	Glass	3	No	HCl	

Notes: * Well Developed prior to sampling, for purging data, consult MW12-19 Well Development Log

Conventional Groundwater Sampling Log

Well ID: MW2-20
Northing:
Easting:

Site Name: BOMAX
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#:

Field Personnel: CJV, AJF
Date: 11/12/15
Weather: Overcast, 40-50F

Well information:

Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: ft. bmp.
Depth to Water*: 7.90 ft. bmp.
Length of Water Column (LWC): ft.
Well Diameter: in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time:
Initial: *Color* *Odor* *Sheen/Free Product*

indicate units

~~Elapsed~~ Time	Volume Purged	Temperature °C	pH S.I. units	Conductivity mS/cm	Other
Initial	0				
11/13 * DTW @ 7.25	0	10.3	7.11	3.05	

End Purge Time:
Total volume of groundwater purged: gal.
DO Titrataion: mg/L
Final: *Color* *Odor* *Sheen/Free Product*

Analytical Sample ID: MW2-20-111315 Date: 11/13/15 Time: ~~1105~~ 1145

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40mL	Glass	3	No	HCl	

Notes: * Well developed prior to sampling, see WDL for details
Sampled 11/13/15

Standard Groundwater Sampling Log

Well ID: ~~MW12-03~~
Northing: TW12-02 3
Easting: 487822.124

1453821549

Site Name: Bonnex
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer 0.5" x 3'
Pump/Controller ID#: 0.5" x 3'

Field Personnel: JWP, BWL
Date: 03/12/19
Weather: Sunny, 30 °F

Well information:

Installed Depth of Well*: 15-81' ft. bmp.
Measured Depth of Well*: 5.0 ft. bmp.
Depth to Water*: 4.11 ft. bmp.
Water Column Length: 0.89 ft.
Well Diameter: 1" in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
___ Protective Casing
✓ Other: PVC

Well Volume: 0.03 gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations

Start Purge Time: 1320 **Initial Water Level:** 4.11 ft bmp.

Color: Brown **Odor:** None **Sheen/Free Product:** None

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	4.11	2.99	7.02	400.93	22.86	8.26	971.7	0	
25	4.44			400.					

Final Observations

End Purge Time: 1345 **Final Water Level:** 4.44 ft bmp. **Total Volume Purged:** 0.03 gal.

Color: Brown **Odor:** None **Sheen/Free Product:** None

Analytical Sample ID: TW12-02_031419 **Date:** 03/14/19 **Time:** 0950

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	NO	HCl	VOC	

Notes: Not enough water was build to justify a second Aquatroll reading.

* If records are correct for installed depth, there is likely an issue with obstruction in the PVC which made bottom appear to be ~5.0'

Standard Groundwater Sampling Log

Well ID: MW-1
Northing: 1453522.07
Easting: 987401.67

Site Name: Bamax
Site Location: Watertown, NY
Project #: 49512
Sampling Method: Bailer
Equipment Used: Bailer 1.5"x3'
Pump/Controller ID#:
Field Personnel: JWP, BWL
Date: 03/13/19
Weather: Sunny, 32°F

Well information:
Installed Depth of Well*: ____ ft. bmp.
Measured Depth of Well*: 27.80 ft. bmp.
Depth to Water*: 5.24 ft. bmp.
Water Column Length: 22.56 ft.
Well Diameter: 4 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other: ____
Well Volume: 14.7 gal.
Pump Intake Depth*: ~27.3 ft. bmp.

Initial Observations
Start Purge Time: 1004 **Initial Water Level:** 5.24 ft bmp.
Color: Clear **Odor:** — **Sheen/Free Product:** —

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	5.24	9.00	8.14	1045.1	10.18	0.60	15.3	0	
66	27.36	8.64	7.95	1046.4	42.96	5.36	204.79	~14.7	

Final Observations
End Purge Time: 1110 **Final Water Level:** 27.36 ft bmp. **Total Volume Purged:** ~14.7 gal.
Color: Brown **Odor:** — **Sheen/Free Product:** —

Analytical Sample ID: MW-1_031419 (_MS)(_MSD) **Date:** 03/14/19 **Time:** 1130

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	No	HCl	VOC	
40mL	VOA	3	No	HCl	VOC MS	
40mL	VOA	3	No	HCl	VOC MSD	

Notes: MS/MSD Collected

Standard Groundwater Sampling Log

Well ID: MW-7
Northing: 1453498.38
Easting: 987295.33

Site Name: Bonnex
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer 1.5"x3'
Pump/Controller ID#:

Field Personnel: JWP, BWL
Date: 03/13/19
Weather: sunny, 26°F

Well Information:
Installed Depth of Well*: 28.05 ft. bmp.
Measured Depth of Well*: 26.97 ft. bmp.
Depth to Water*: 4.97 ft. bmp.
Water Column Length: 22 ft.
Well Diameter: 4 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:

Well Volume: 14.3 gal.
Pump Intake Depth*: ~26.47 ft. bmp.

Initial Observations
Start Purge Time: 0900 **Initial Water Level:** 4.97 ft bmp.
Color: Clear **Odor:** None **Sheen/Free Product:** None

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	4.47	8.92	7.27	1404.8	-4.29	0.17	1.49	0	
57	26.22	8.23	7.49	1393.6	-79.46	10.47	285.5	~14.3	

Final Observations
End Purge Time: 0957 **Final Water Level:** 26.22 ft bmp. **Total Volume Purged:** 14.3 gal.
Color: Brown **Odor:** None **Sheen/Free Product:** None

Analytical Sample ID: MW-2_031419 **Date:** 03/14/19 **Time:** 1130

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	No	HCl	VOC	

Notes:

Standard Groundwater Sampling Log

Well ID: MW12-01
Northing: 1453727.67
Easting: 987966.16

Site Name: Borax
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailers
Equipment Used: Bailer 1.5"x3'
Pump/Controller ID#:

Field Personnel: JWP, BWL
Date: 03/12/19
Weather: Overcast, 27°F

Well Information:

Installed Depth of Well*: 32.06 ft. bmp.
Measured Depth of Well*: 32.0 ft. bmp.
Depth to Water*: 10.47 ft. bmp.
Water Column Length: 21.53 ft.
Well Diameter: 4 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:

Well Volume: 14.05 gal.
Pump Intake Depth*: ~31.5 ft. bmp.

Initial Observations

Start Purge Time: 1105 **Initial Water Level:** 10.47 ft bmp.

Color: Clear ***Odor:*** None ***Sheen/Free Product:*** None

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	0	11.8	7.88	1015.4	94.9	6.21	17.2	0	
1hr 40min	31.2	12.29	8.02	1023.6	124.8	9.72	323.04	14 gal	

Final Observations

End Purge Time: 1245 **Final Water Level:** 31.2 ft bmp. **Total Volume Purged:** 14 gal.

Color: Brown ***Odor:*** None ***Sheen/Free Product:*** None

Analytical Sample ID: MW12-01_031419 **Date:** 03/14/19 **Time:** 0940

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	NO	HCl	VOC	

Notes:

Standard Groundwater Sampling Log

Well ID: MW12-02
Northing: 1454022.36
Easting:

649978
519131

Site Name: Bonnex
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer 6.5"x3'
Pump/Controller ID#:

Field Personnel: JWP, BWL
Date: 03/13/19
Weather: Overcast, 34°F

Well Information:

Installed Depth of Well*: 31.87 ft. bmp.
Measured Depth of Well*: 21.70 ft. bmp.
Depth to Water*: 13.34 ft. bmp.
Water Column Length: 8.36 ft.
Well Diameter: in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
Protective Casing
Other:

Well Volume: ~~5.45~~ 1.36 gal.
Pump Intake Depth*: ~21.2 ft. bmp.

Initial Observations

Start Purge Time: 1354 Initial Water Level: 13.34 ft bmp.

Color: Clear Odor: — Sheen/Free Product: —

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	13.34	8.25	7.09	1999.48	268.3	5.61	0	0	
75	20.45	8.61	7.21	1950.65	272.4	7.08	269.83	2	

Final Observations 1429

End Purge Time: ~~1425~~ Final Water Level: 20.45 ft bmp. Total Volume Purged: ~2.0 gal.

Color: Brown Odor: — Sheen/Free Product: —

Analytical Sample ID: MW12-02_031419 Date: 03/14/19 Time: 0820

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	No	HCl	VOC	

Notes:

Standard Groundwater Sampling Log

Well ID: MW12-04
Northing: 1454215.17
Easting: 988010.87

Site Name: Bomax
Site Location: Watertown, NY
Project #: 49072
Sampling Method: Bailer
Equipment Used: Bailer 1.5"x3'
Pump/Controller ID#:
Field Personnel: JVP, BWC
Date: 03/12/19
Weather: Sunny, 30°F

Well Information:
Installed Depth of Well*: 31.71 ft. bmp.
Measured Depth of Well*: 31.90 ft. bmp.
Depth to Water*: 4.08 ft. bmp.
Water Column Length: 27.82 ft.
Well Diameter: 4" in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:

Well Volume: 18.2 gal.
Pump Intake Depth*: ~31.4 ft. bmp.

Initial Observations
Start Purge Time: 1422 **Initial Water Level:** 4.08 ft bmp.
Color: Clear **Odor:** None **Sheen/Free Product:** None

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	4.08	10.51	7.39	1142.7	112.3	2.61	79.8	0	
68	29.75	10.38	7.40	1150.7	93.9	2.66	539.7	18 gal	
		* First log was incorrectly titled "MW12-08" in Android Tablet.							

Final Observations
End Purge Time: 1529 **Final Water Level:** 29.75 ft bmp. **Total Volume Purged:** 18 gal gal.
Color: Brown **Odor:** Sewage **Sheen/Free Product:** None

Analytical Sample ID: MW12-04_031419 **Date:** 03/14/19 **Time:** 1016

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	NO	HCl	VOC	

Notes:

Standard Groundwater Sampling Log

Well ID: MW12-07
Northing: 1433917.42
Easting: 987571.43

Site Name: Banax
Site Location: Wolfeboro, NY
Project #: 49512
Sampling Method: Bailer
Equipment Used: Bailer 1.5" x 3"
Pump/Controller ID#:
Field Personnel: JWP, BWL
Date: 03/12/19
Weather: Overcast, 27°F

Well information:
Installed Depth of Well*: 29.72 ft. bmp.
Measured Depth of Well*: 29.15 ft. bmp.
Depth to Water*: 9.43 ft. bmp.
Water Column Length: 19.72 ft.
Well Diameter: 2 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:

Well Volume: 3.2 gal.
Pump Intake Depth*: ~ 28.65 ft. bmp.

Initial Observations

Start Purge Time: 0758 **Initial Water Level:** 9.43 ft bmp.

Color: Brown **Odor:** None **Sheen/Free Product:** None

indicate units

Elapsed Time	Depth to Water	Temperature	pH *SI Units*	Specific Conductivity	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Volume Purged	Other
0	9.43	9.40	7.00	728.9	22.31	3.27	202.08	0	
42	24.48	8.08	7.02	918.24	103.9	6.34	360.9	3.2gal.	

Final Observations

End Purge Time: 0840 **Final Water Level:** 24.48 ft bmp. **Total Volume Purged:** ~ 3.2 gal.

Color: Brown **Odor:** None **Sheen/Free Product:** —

Analytical Sample ID: MW12-07_031419 (x-1_031419) **Date:** 03/14/19 **Time:** 0900

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	No	HCl	VOC	
40mL	VOA	3	No	HCl	VOC	

Notes: ~~Matrix Spike~~ Blind duplicate

Standard Groundwater Sampling Log

Well ID: MW12-0[illegible]8
Northing: 1454264.65
Easting: 987923.25

Site Name: Barnes Mfg
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer 15"x3'
Pump/Controller ID#:

Field Personnel: JMP BWL
Date: 03/12/19
Weather: Sunny, 34°F

Well Information:
Installed Depth of Well*: 29.71 ft. bmp.
Measured Depth of Well*: 30.25 ft. bmp.
Depth to Water*: 2.3 ft. bmp.
Water Column Length: 27.95 ft.
Well Diameter: 4 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:

Well Volume: 18.25 gal.
Pump Intake Depth*: 29.75 ft. bmp.

Initial Observations
Start Purge Time: 1029 Initial Water Level: 2.3 ft bmp.
Color: Brown Odor: None Sheen/Free Product: None

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	2.3	10.9	7.21	855.23	-73.64	0.19	20.7	0	
066									

Final Observations
End Purge Time: 1035 Final Water Level: 24.25 ft bmp. Total Volume Purged: ___ gal.
Color: Brown Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-08_031419(MS)(MSD) Date: 03/14/19 Time: 1025

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	NO	HCl	VOC	
40mL	VOA	3	NO	HCl	VOC MS	
40mL	VOA	3	NO	HCl	VOC MSD	

Notes: MS/MSD

Standard Groundwater Sampling Log

Well ID: MW12-10
Northing: 1454053.67
Easting: 987482.60

Site Name: Bonar
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer 1.5" x 3'
Pump/Controller ID#:

Field Personnel: WP, SWC
Date: 03/13/19
Weather: Overcast, 34°F

Well information:

Installed Depth of Well*: 29.40 ft. bmp.
Measured Depth of Well*: 29.63 ft. bmp.
Depth to Water*: 8.90 ft. bmp.
Water Column Length: 20.73 ft.
Well Diameter: ____ in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other: ____

Well Volume: 13.5 gal.
Pump Intake Depth*: ~29.13 ft. bmp.

645996
5-18902

Initial Observations

Start Purge Time: 1358 Initial Water Level: 8.90 ft bmp.

Color: Clear Odor: None Sheen/Free Product: None

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	8.90	10.65	6.86	3050.25	48.35	0.36	5.08	0	
49	25.90	10.69	6.98	2857.89	18.23	6.85	325.3	~13.5	

Final Observations

End Purge Time: 1447 Final Water Level: 25.9 ft bmp. Total Volume Purged: ~13.5 gal.

Color: Brown Odor: — Sheen/Free Product: —

Analytical Sample ID: MW12-10_031419 Date: 03/14/19 Time: 0810

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	No	HCl	VOC	

Notes:

Standard Groundwater Sampling Log

Well ID: MW12-11
Northing: 1454140.32
Easting: 987523.23

Site Name: Bmax
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer 1.5" x 3'
Pump/Controller ID#:

Field Personnel: JWP, BWL
Date: 03/13/19
Weather: overcast, 35°F

'99

Well information:

Installed Depth of Well*: 29.72 ft. bmp.
Measured Depth of Well*: 29.0 ft. bmp.
Depth to Water*: 10.76 ft. bmp.
Water Column Length: 18.24 ft.
Well Diameter: 2 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:

Well Volume: ~2.8 gal. 3 gal
Pump Intake Depth*: ~28.5 ft. bmp.

Initial Observations

Start Purge Time: 1510 **Initial Water Level:** _____ ft bmp.

Color: Clear ***Odor:*** — ***Sheen/Free Product:*** —

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	10.76	9.86	6.93	4912.45	264.75	8.43	0	0	
45	14.25	8.13	7.11	4787.06	265.11	8.86	117.04	~3 gal	

Final Observations

End Purge Time: 1555 **Final Water Level:** ~~10.23~~ 14.25 ft bmp. **Total Volume Purged:** ~3 gal.

Color: Brown ***Odor:*** — ***Sheen/Free Product:*** —

Analytical Sample ID: MW12-11-031419 **Date:** 03/14/19 **Time:** 0758

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	No	HCl	VOC	

Notes:

Standard Groundwater Sampling Log

Well ID: MW12-12
Northing: 1454097.13
Easting: 987683.22

Site Name: Bomex
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer 1.5"x3'
Pump/Controller ID#:

Field Personnel: MP, BWL
Date: 03/12/19
Weather: Cloudy, 27°F

Well information:

Installed Depth of Well*: 29.69 ft. bmp.
Measured Depth of Well*: 29.88 ft. bmp.
Depth to Water*: 8.89 ft. bmp.
Water Column Length: dB ft.
Well Diameter: 4 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:

Well Volume: 13.7 gal.
Pump Intake Depth*: ~29.38 ft. bmp.

Initial Observations

Start Purge Time: 0950 **Initial Water Level:** 8.89 ft bmp.

Color: Clear **Odor:** — **Sheen/Free Product:** None

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	8.89	11.85	7.50	1219.8	50.21	4.25	0.73	0	
50	29.19	11.95	7.6	1216.16	80.84	7.88	419.6	~13.7	

Final Observations

End Purge Time: 1040 **Final Water Level:** 29.19 ft bmp. **Total Volume Purged:** ~13.7 gal.

Color: Brown **Odor:** None **Sheen/Free Product:** None

Analytical Sample ID: MW12-12-031419 **Date:** 03/14/19 **Time:** 0924

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	No	HCl	VOC	

Notes:

Standard Groundwater Sampling Log

Well ID: MW12-14
Northing: 1454201.25
Easting: 987550.11

Site Name: Bonnex
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer 1.5" x 3'
Pump/Controller ID#:

Field Personnel: JWP, BWL
Date: 03/13/19
Weather: Overcast, 32°F

Well information:

Installed Depth of Well*: 29.58 ft. bmp.
Measured Depth of Well*: 27.75 ft. bmp.
Depth to Water*: 10.65 ft. bmp.
Water Column Length: 17.1 ft.
Well Diameter: 2 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:

Well Volume: ~2.8 gal.
Pump Intake Depth*: ~27.25 ft. bmp.

Initial Observations

Start Purge Time: 1515 **Initial Water Level:** 10.65 ft bmp.

Color: Clear **Odor:** — **Sheen/Free Product:** —

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	10.65	6.39	6.99	3710.77	136.43	10.15	83.97	0	
1537	10.3	6.49	6.99	3813.13	152.16	10.20	216.91	~3 gal	

Final Observations

End Purge Time: 1552 **Final Water Level:** 10.3 ft bmp. **Total Volume Purged:** ___ gal.

Color: Brown **Odor:** — **Sheen/Free Product:** —

Analytical Sample ID: MW12-14-031419 **Date:** 03/14/19 **Time:** 0732

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	NO	HCl	VOC	

Notes:

Standard Groundwater Sampling Log

Well ID: MW12-18
Northing: 1454303.38
Easting: 987473.73

Site Name: Bomax
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer 1.5"x3'
Pump/Controller ID#:

Field Personnel: JWP, BWL
Date: 03/13/19
Weather: overcast, 32°F

Well information:

Installed Depth of Well*: 29.53 ft. bmp.
Measured Depth of Well*: 29.10 ft. bmp.
Depth to Water*: 5.70 ft. bmp.
Water Column Length: 23.4 ft.
Well Diameter: 2 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:

Well Volume: ~3.8 gal.
Pump Intake Depth*: ~28.6 ft. bmp.

Initial Observations

Start Purge Time: 1613 **Initial Water Level:** 5.7 ft bmp.

Color: Clear **Odor:** _____ **Sheen/Free Product:** _____

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	5.7	9.32	7.44	1885.44	139.08	1.02	7.54	0	
43	20.25	9.60	7.41	1503.69	-0.35	1.92	38.60	3.8	

Final Observations

End Purge Time: 1656 **Final Water Level:** 20.25 ft bmp. **Total Volume Purged:** 3.8 gal.

Color: cloudy gray **Odor:** — **Sheen/Free Product:** —

Analytical Sample ID: MW12-18_031419 **Date:** 03/14/19 **Time:** 0720

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	NO	HCl	VOC	

Notes:

Standard Groundwater Sampling Log

Well ID: MW12-20
Northing: 1454408.07
Easting: 987969.45

Site Name: Bonanza
Site Location: Winnemucca, NV
Project #: 49512
Sampling Method: Bailer
Equipment Used: Bailer 1.5" x 3'
Pump/Controller ID#:
Field Personnel: WP, BWL
Date: 03/13/19
Weather: Overcast, 34°F

Well information:
Installed Depth of Well*: 29.73 ft. bmp.
Measured Depth of Well*: 30.00 ft. bmp.
Depth to Water*: 5.22 ft. bmp.
Water Column Length: 24.78 ft.
Well Diameter: 4 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:
Well Volume: ~16 gal.
Pump Intake Depth*: ~29.5 ft. bmp.

Initial Observations
Start Purge Time: 1232 **Initial Water Level:** 5.22 ft bmp.
Color: Clear ***Odor:*** — ***Sheen/Free Product:***

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	5.22	9.32	6.73	7803.01	-84.3	0.10	6.93	0	
53	25.16	9.56	6.64	8600.53	-41.19	2.43	199.97	~16	

Final Observations
End Purge Time: 1325 **Final Water Level:** 25.16 ft bmp. **Total Volume Purged:** ~16 gal.
Color: Brown ***Odor:*** — ***Sheen/Free Product:***

Analytical Sample ID: MW12-20_031419 **Date:** 03/14/19 **Time:** 1058

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	NO	HCl	VOC	

Notes:

Standard Groundwater Sampling Log

Well ID: MW12-21
Northing: 1453844.01
Easting: 987831.17

Site Name: Kimax mfg Site
Site Location: Watertown, NY
Project #: 49512
Sampling Method: Bailing
Equipment Used: Bailer
Pump/Controller ID#:
Field Personnel: JVP & BWL
Date: 03/12/19
Weather:

Well Information:
Installed Depth of Well*: 40.50 ft. bmp.
Measured Depth of Well*: 40.58 ft. bmp.
Depth to Water*: 27.83 ft. bmp.
Water Column Length: ft.
Well Diameter: 4 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:
Well Volume: 8.2 gal.
Pump Intake Depth*: ~40.0 ft. bmp.

Initial Observations
1 volume = 8.2 gal.
Start Purge Time: 1550 **Initial Water Level:** 27.83 ft bmp.
Color: Brown **Odor:** None **Sheen/Free Product:** —

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	27.83	12.35	7.90	3.08	52.46	4.08	2228.25	0	
30	30.10	10.53	6.81	7.01	-38.28	9.75	16.47	~8.2 gal	

Final Observations
End Purge Time: 1620 **Final Water Level:** 30.10 ft bmp. **Total Volume Purged:** ~8.2 gal.
Color: **Odor:** H_2S **Sheen/Free Product:** —

Analytical Sample ID: MW12-21-031219 **Date:** 03/12/19 **Time:** 1740

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	NO	HCl	VOC	

Notes: WL = 27.88 @ time of Sample.

Standard Groundwater Sampling Log

Well ID: MW12-22
Northing: 1459207.68
Easting: 988007.64

Site Name: Bameix
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer 1.5" x 3'
Pump/Controller ID#:

Field Personnel: JWP, BWL
Date: 03/11/19
Weather: Overcast, 30°F

Well Information:

Installed Depth of Well*: 42.78 ft. bmp.
Measured Depth of Well*: 42.65 ft. bmp.
Depth to Water*: 42.30 ft. bmp.
Water Column Length: 0.35 ft.
Well Diameter: 4 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:

Well Volume: 0.22 gal.
Pump Intake Depth*: ~~42.65~~ ft. bmp.

Initial Observations

Start Purge Time: 1635 **Initial Water Level:** 42.30 ft bmp.

Color: Brown ***Odor:*** — ***Sheen/Free Product:*** —

indicate units

Elapsed Time	Depth to Water	Temperature	pH *SI Units*	Specific Conductivity	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Volume Purged	Other
0									
		*Couldn't bail water from well.. *							

Final Observations

End Purge Time: 1700 **Final Water Level:** NA ft bmp. **Total Volume Purged:** NA gal.

Color: Brown ***Odor:*** — ***Sheen/Free Product:*** —

Analytical Sample ID: MW12-22_031419 **Date:** 03/14/19 **Time:** 1005

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	NO	HCl	VOC	

Notes:

Standard Groundwater Sampling Log

Well ID: MW12-23
Northing: 1453924.35
Easting: 987575.09

Site Name: Borax
Site Location: Watertown, NY
Project #: 49512
Sampling Method: Bailer
Equipment Used: Bailer 1.5"x3'
Pump/Controller ID#:
Field Personnel: JWP, BWL
Date: 03/12/19
Weather: Cloudy, 27°F

Well information:
Installed Depth of Well*: 45.5 ft. bmp.
Measured Depth of Well*: 45.55 ft. bmp.
Depth to Water*: 44.81 ft. bmp.
Water Column Length: 0.74 ft.
Well Diameter: 4 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:

Well Volume: ~~0.50~~ 0.45 gal.
Pump Intake Depth*: ~45.1 ft. bmp.

Initial Observations
Start Purge Time: 0734 **Initial Water Level:** 44.81 ft bmp.
Color: ~~Clear, Brown~~ Brown, translucent ***Odor:*** None ***Sheen/Free Product:*** —
indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	44.81	9.68	6.95	5.09	261.40	9.92	0	0	
~~0~~ 16									

Final Observations
End Purge Time: 0750 **Final Water Level:** 45.16 ft bmp. **Total Volume Purged:** 0.25 gal.
Color: Brown, translucent ***Odor:*** None ***Sheen/Free Product:*** None

Analytical Sample ID: MW12-23_031419 **Date:** 03/14/19 **Time:** 0910

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	No	HCl	VOC	

Notes:

Standard Groundwater Sampling Log

Well ID: MW12-24
Northing: 1454045.61
Easting: 987665.66

Site Name: Borax
Site Location: Water Town, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer 1.5"x3'
Pump/Controller ID#:

Field Personnel: JwP, BWL
Date: 03/12/19
Weather: Cloudy, 27°F

Well Information:

Installed Depth of Well*: 42.4 ft. bmp.
Measured Depth of Well*: 42.38 ft. bmp.
Depth to Water*: 40.17 ft. bmp.
Water Column Length: 2.21 ft.
Well Diameter: 4 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:

Well Volume: 1.44 gal.
Pump Intake Depth*: ~42.0 ft. bmp.

Initial Observations

Start Purge Time: 0855 Initial Water Level: 40.17 ft bmp.

Color: Brown Odor: None Sheen/Free Product: None

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	40.17	11.34	6.90	2537.05	11.20	1.04	26.58	0	
35	41.38	11.26	6.89	2370.86	-15.46	2.66	368.14	0.8	

Final Observations

End Purge Time: 0930 Final Water Level: 41.38 ft bmp. Total Volume Purged: 0.8 gal.

Color: Cloudy translucent Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-24-031419 Date: 03/14/19 Time: 0919

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	No	HCl	VOC	

Notes:

Standard Groundwater Sampling Log

Well ID: MW12-25
Northing: 1454149.36
Easting: 987527.31

Site Name: Remax
Site Location: Watertown, NY
Project #: 49572

Sampling Method: Bailer
Equipment Used: Bailer 1.5" x 3'
Pump/Controller ID#:

Field Personnel: JWP BWC
Date: 03/13/19
Weather: Sunny, 26 °F

Well Information:

Installed Depth of Well*: 40.85 ft. bmp.
Measured Depth of Well*: 40.85 ft. bmp.
Depth to Water*: 36.06 ft. bmp.
Water Column Length: 4.79 ft.
Well Diameter: 4 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:

Well Volume: 3.12 gal.
Pump Intake Depth*: ~40.25 ft. bmp.

Initial Observations 0740
Start Purge Time: ~~0735~~ **Initial Water Level:** 36.06 ft bmp.
Color: Clear ***Odor:*** — ***Sheen/Free Product:*** —

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	36.06	11.58	7.18	1793.51	-137.92	0.73	72.05	0	
~~50~~	40.35	10.76	8.68	~~1793.51~~	8.57	8.39	173.62	3.12	
				1683.53	⊗				

Final Observations
End Purge Time: 0830 **Final Water Level:** 40.35 ft bmp. **Total Volume Purged:** ~3.12. gal.
Color: Brown ***Odor:*** — ***Sheen/Free Product:*** —

Analytical Sample ID: MW12-25_031419 **Date:** 03/14/19 **Time:** 0748

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	NO	HCl	VOC	

Notes:

Standard Groundwater Sampling Log

Well ID: MW12-26
Northing: 1453496.64
Easting: 987304

Site Name: Bannax
Site Location: Watertown, NY
Project #: 49512
Sampling Method: Bailer
Equipment Used: Bailer 1.5" x 3'
Pump/Controller ID#:
Field Personnel: JWP, BWL
Date: 03/13/19
Weather: Sunny, 26°F

Well information:
Installed Depth of Well*: 41.5 ft. bmp.
Measured Depth of Well*: 41.38 ft. bmp.
Depth to Water*: 40.73 ft. bmp.
Water Column Length: 0.65 ft.
Well Diameter: 4 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:

Well Volume: 0.42 gal.
Pump Intake Depth*: ~41.0 ft. bmp.

Initial Observations
Start Purge Time: 0845 **Initial Water Level:** 40.73 ft bmp.
Color: Clear **Odor:** None **Sheen/Free Product:** None

indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity µS	ORP mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	~~40.73~~	8.78	6.31	1081.3	48.9	4.7	6.23	0	
	~~40.92~~								

Final Observations
End Purge Time: 0905 **Final Water Level:** 40.92 ft bmp. **Total Volume Purged:** ~0.25 gal.
Color: Brown **Odor:** None **Sheen/Free Product:** None

Analytical Sample ID: MW12-26_031419 **Date:** 03/14/19 **Time:** 1118

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	NO	HCl	VOC	

Notes:

Standard Groundwater Sampling Log

Well ID: MW12-27
Northing: 1484325.59
Easting: 488165.17

Site Name: Bonna X
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Bailer
Equipment Used: Bailer 1.5" x 3'
Pump/Controller ID#:

Field Personnel: JWP & BWL
Date: 03/13/19
Weather: Overcast, 33°F

Well information:

Installed Depth of Well*: 33.2 ft. bmp.
Measured Depth of Well*: 33.12 ft. bmp.
Depth to Water*: 5.07 ft. bmp.
Water Column Length: 28.05 ft.
Well Diameter: 4 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:

Well Volume: 18 gal.
Pump Intake Depth*: ~32.62 ft. bmp.

Initial Observations

Start Purge Time: 1130 **Initial Water Level:** 5.07 ft bmp.

Color: Clear ***Odor:*** — ***Sheen/Free Product:*** —

indicate units

Elapsed Time	Depth to Water	Temperature	pH *SI Units*	Specific Conductivity	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Volume Purged	Other
0	5.07	9.27	7.34	3922.4	-131.39	0.07	15.8	0	
50	31.03	9.41	7.01	3916.8	-108.48	0.48	217.6	~18	

Final Observations

End Purge Time: 1220 **Final Water Level:** 31.03 ft bmp. **Total Volume Purged:** ~18 gal.

Color: ___ ***Odor:*** Sewage ***Sheen/Free Product:*** ___

Analytical Sample ID: MW12-27_031419 **Date:** 03/14/19 **Time:** 1052

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	NO	HCl	VOC	

Notes:

Standard Groundwater Sampling Log

Well ID: MW12-28
Northing: 1454186.22
Easting: 987430.65

Site Name: Bomax
Site Location: Watertown, NY
Project #: 49512
Sampling Method: Bailer
Equipment Used: Bailer 1.5" x 3'
Pump/Controller ID#:
Field Personnel: JWP, BWL
Date: 03/13/19
Weather: overcast, 32°F

Well Information:
Installed Depth of Well*: 29.95 ft. bmp.
Measured Depth of Well*: 29.81 ft. bmp.
Depth to Water*: 5.47 ft. bmp.
Water Column Length: 24.34 ft.
Well Diameter: 4 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
+ 4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
✓ Well Casing
___ Protective Casing
___ Other:

Well Volume: 15.9 gal.
Pump Intake Depth*: 29.31 ft. bmp.

Initial Observations
Start Purge Time: 1617 **Initial Water Level:** 5.47 ft bmp.
Color: Clear **Odor:** ✓ **Sheen/Free Product:** —

Indicate units

Elapsed Time	Depth to Water	Temperature	pH SI Units	Specific Conductivity	ORP 22.77 mV	Dissolved Oxygen mg/L	Turbidity NTU	Volume Purged	Other
0	5.47	8.50	8.33	309.54	~~58.19~~	4.44	7.06	0	
42	28.70	10.05	8.29	309.33	22.27	7.25	4840.1	~16	

Final Observations
End Purge Time: 1659 **Final Water Level:** 28.70 ft bmp. **Total Volume Purged:** ~15.9 gal.
Color: ~~Clear~~ Brown **Odor:** Sulfur **Sheen/Free Product:** —

Analytical Sample ID: MW12-28_031419 **Date:** 03/14/19 **Time:** 0729

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40mL	VOA	3	NO	HCl	VOC	

Notes:

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-18
Northing:
Easting:

Site Name: Bomax
Site Location: Watertown, NY
Project #: 49512
Sampling Method: Hand Bailing
Equipment Used: Bailer
Pump/Controller ID#: NA
Field Personnel: JWP/ MTB
Date: 7/22/19
Weather: cloudy 70°

Well information:
Installed Depth of Well*: 7 ft. bmp.
Measured Depth of Well*: 29.03 ft. bmp.
Depth to Water*: 8.65 ft. bmp.
Water Column Length: 20.38 ft.
Well Diameter: 2 in.

Well Volume Multipliers:
___ 1 in. = 0.041 gal/ft
X 2 in. = 0.163 gal/ft
___ 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: 3.32 gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations
Start Purge Time: 1555 **Initial Water Level:** 8.65 ft bmp.
Color: light brown ***Odor:*** none ***Sheen/Free Product:*** none

indicate units

Elapsed Time *Minutes*	Volume Purged *gallons*	Temperature *Celsius*	pH *S.I. units*	Conductivity *µS/cm*	Other *Turbidity (NTU)*
Initial 3:52	0	10.2	7.52	918.76	121.02
pre sample		10.81	7.89	439.50	406.79

Final Observations
End Purge Time: 1630 **Final Water Level:** 28.52 ft bmp. **Total Volume Purged:** 7 gal.
Color: ___ ***Odor:*** ___ ***Sheen/Free Product:*** ___

Analytical Sample ID: MW12-18-072419 **Date:** 7/24/19 **Time:** 1540

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes: VOCs, MNA parameters
6/6 2 well volumes removed
DTW 25.11
7/24 DTW 8.60 ft bmp
smart rod @ ~18 ft
403 approx 2.5 gal removed
DTW 15.2 ft bmp
410 approx 4 gal removed
DTW 19.15

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-10
Northing: 1
Easting:

Site Name:	Bomax	Sampling Method:	Hand Bailing	Field Personnel:	JWP/ MTB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	7/22/19
Project #:	49512	Pump/Controller ID#:	NA	Weather:	Cloudy, 70°

Well information:

Installed Depth of Well*:	ft. bmp.		
Measured Depth of Well*:	29.49 ft. bmp.		
Depth to Water*:	10.14 ft. bmp.		
Water Column Length:	19.35 ft.		
Well Diameter:	in.		

Well Volume Multipliers:

___	1 in. = 0.041 gal/ft
___	2 in. = 0.163 gal/ft
X	4 in. = 0.653 gal/ft
___	6 in. = 1.469 gal/ft
___	8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: 12.6 gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations

Start Purge Time: 1600 **Initial Water Level:** 10.14 ft bmp.

Color: Translucent Red ***Odor:*** None ***Sheen/Free Product:*** None

indicate units

Elapsed Time *Minutes*	Volume Purged *gallons*	Temperature *Celsius*	pH *S.I. units*	Conductivity *µS/cm*	Other *Turbidity (NTU)*
Initial					
0	0	10.70	6.81	1,837.3	32.30

Depth of Sample 26.0

Final Observations

End Purge Time: 1630 **Final Water Level:** 28.5 ft bmp. **Total Volume Purged:** ~12 gal.

Color: Translucent Red ***Odor:*** Sulfur ***Sheen/Free Product:*** ___

Analytical Sample ID: ___ **Date:** ___ **Time:** ___

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes: VOCs + MNA parameters

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-08
Northing:
Easting:

Site Name:	Bomax	Sampling Method:	Hand Bailing	Field Personnel:	JWP/ MTB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	7/24/19
Project #:	49512	Pump/Controller ID#:	NA	Weather:	Sunny, 75°F

Well information:

Installed Depth of Well*: ____ ft. bmp.
Measured Depth of Well*: 30.14 ft. bmp.
Depth to Water*: 4.69 ft. bmp.
Water Column Length: ____ ft.
Well Diameter: ____ in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
___ 2 in. = 0.163 gal/ft
___ 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

* Measurement Point:

X Well Casing
___ Protective Casing
___ Other: ____

Well Volume: ____ gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations

Start Purge Time: 1555 **Initial Water Level:** ____ ft bmp.

Color: Translucent orange ***Odor:*** None ***Sheen/Free Product:*** None

indicate units

Elapsed Time (Minutes)	Volume Purged (gallons)	Temperature (Celsius)	pH (S.I. units)	Conductivity (µS/cm)	Other (Turbidity (NTU))
Initial		PARAMETERS FOR SAMPLE ONLY.			
		FIND PURGE PARAMETERS ON A SEPARATE			
		PAGE (ON BACK).			
—	—	12.3	7.53	816.37	13.87

Final Observations

End Purge Time: ____ **Final Water Level:** 4.69 ft bmp. **Total Volume Purged:** ____ gal.

Color: ____ ***Odor:*** ____ ***Sheen/Free Product:*** ____

Analytical Sample ID: MW12-08-072419
MW12-08-072419-MS

Date: 7/24/19 **Time:** 1555

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
	MW12-08-072419-MSD					

Notes: MS/MSD for VOCs
MS/MSD for MNA

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-02
Northing:
Easting:

Site Name:	Bomax	Sampling Method:	Hand Bailing	Field Personnel:	JWP/ MTB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	7/23/19
Project #:	49512	Pump/Controller ID#:	NA	Weather:	sunny, 70

Well information:

Installed Depth of Well*:		ft. bmp.	
Measured Depth of Well*:	26.6	ft. bmp.	
Depth to Water*:	21.99	ft. bmp.	
Water Column Length:	4.61	ft.	
Well Diameter:	2	in.	

Well Volume Multipliers:

___	1 in. = 0.041 gal/ft
___	2 in. = 0.163 gal/ft
___	4 in. = 0.653 gal/ft
___	6 in. = 1.469 gal/ft
___	8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: .75 gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations

Start Purge Time: 945 **Initial Water Level:** 21.99 ft bmp.

Color: light brown ***Odor:*** none ***Sheen/Free Product:*** none

indicate units

Elapsed Time *Minutes*	Volume Purged *gallons*	Temperature *Celsius*	pH *S.I. units*	Conductivity *µS/cm*	Other *Turbidity (NTU)*
Initial 940	0	11.41	7.10	1,335.3	245.55

Final Observations

End Purge Time: 1002 **Final Water Level:** 25.45 ft bmp. **Total Volume Purged:** ~2.5 gal.

Color: clear ***Odor:*** none ***Sheen/Free Product:*** none

Analytical Sample ID: ~~BMW~~ MW12-02-072319 **Date:** 7/23/19 **Time:** 1325

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes: Aquatrol 1:64322
@ ~25 ft (info not accurate in smart roll).
submerged 9:35
SAMPLE: VOCs, 1,4 dioxane, PFAS, 1,4 DO
FD: X1-072319 collected here for PFAS + VOCs

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-12
Northing:
Easting:

Site Name: Bomax | Sampling Method: Hand Bailing | Field Personnel: JWP/ MTB
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 07/23/19
Project #: 49512 | Pump/Controller ID#: NA | Weather: Sunny, 75°F

Well Information:

Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 29.74 ft. bmp.
Depth to Water*: 10.5 ft. bmp.
Water Column Length: 19.24 ft.
Well Diameter: 4 in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
___ 2 in. = 0.163 gal/ft
X 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

* Measurement Point:

X Well Casing
___ Protective Casing
___ Other:

Well Volume: 12.56 gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations

Start Purge Time: 1040 **Initial Water Level:** 10.5 ft bmp.

Color: Clear ***Odor:*** None ***Sheen/Free Product:*** None

indicate units

Elapsed Time *Minutes*	Volume Purged *gallons*	Temperature *Celsius*	pH *S.I. units*	Conductivity *µS/cm*	Other *Turbidity (NTU)*
Initial	0	12.5	7.45	1,312.4	7.08
Pre sample		12.54	7.30	1,390.8	13.74

Final Observations

End Purge Time: 1113 **Final Water Level:** 28.3' ft bmp. **Total Volume Purged:** 10 gal.

Color: Clear ***Odor:*** None ***Sheen/Free Product:*** None

Analytical Sample ID: MW12-12-072419 **Date:** 7/24/19 **Time:** 920

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes: ~~7/23~~: DTW 27.69

DTW 7/24 24.85 ft PDMP

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-11
Northing:
Easting:

Site Name:	Bomax	Sampling Method:	Hand Bailing	Field Personnel:	JWP/ MTB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	7/23/19
Project #:	49512	Pump/Controller ID#:	NA	Weather:	Sunny, 70

Well Information:

Installed Depth of Well*:	--	ft. bmp.
Measured Depth of Well*:	28.8	ft. bmp.
Depth to Water*:	15.35	ft. bmp.
Water Column Length:	13.45	ft.
Well Diameter:	2	in.

Well Volume Multipliers:

___	1 in. = 0.041 gal/ft
X	2 in. = 0.163 gal/ft
___	4 in. = 0.653 gal/ft
___	6 in. = 1.469 gal/ft
___	8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: 2.19 gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations

Start Purge Time: 10:42 **Initial Water Level:** 15.42 ft bmp.

Color: dark brown ***Odor:*** none ***Sheen/Free Product:*** none

indicate units

Elapsed Time *Minutes*	Volume Purged *gallons*	Temperature *Celsius*	pH *S.I. units*	Conductivity mS/cm *µS/cm*	Other *Turbidity (NTU)*
Initial	0	17.08	7.36	1.502	1599 AU
40	6.8	16.36	7.46	1.676	10 NTU
150	6-8	23.03	7.45	1.442	13 NTU

Final Observations

End Purge Time: 1123 **Final Water Level:** 16.77 ft bmp. **Total Volume Purged:** 6.8 gal.

Color: clear ***Odor:*** none ***Sheen/Free Product:*** none

Analytical Sample ID: MW12-11-072319 **Date:** 7/23/19 **Time:** 1215

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes:
VOCs - 3, 40mL, (2 amber), PFAS
VOCs - VOA + Lam Orie
PFAS - MS/MSD collected here
1,4 Dioxane - MS/MSD collected here
Final WL: 15.59

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-14
Northing:
Easting:

Site Name:	Bomax	Sampling Method:	Hand Bailing	Field Personnel:	JWP/ MTB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	7/23/19
Project #:	49512	Pump/Controller ID#:	NA	Weather:	Sunny, 75

Well information:

Installed Depth of Well*:		ft. bmp.	
Measured Depth of Well*:	27.66	ft. bmp.	
Depth to Water*:	26.75	ft. bmp.	
Water Column Length:		ft.	
Well Diameter:		in.	

Well Volume Multipliers:

___	1 in. = 0.041 gal/ft
___	2 in. = 0.163 gal/ft
___	4 in. = 0.653 gal/ft
___	6 in. = 1.469 gal/ft
___	8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other: ___

Well Volume: ___ gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations

Start Purge Time: 1503 **Initial Water Level:** 27.16 ft bmp.

Color: ___ ***Odor:*** ___ ***Sheen/Free Product:*** ___

indicate units

~~Elapsed~~ Time *~~Minutes~~*	Volume Purged *gallons*	Temperature *Celsius*	pH *S.I. units*	Conductivity *µS/cm*	Other *Turbidity (NTU)*
1457 Initial	0	14.99	6.97	1680	~~Bef~~ 1087.9
		DRY			

Final Observations

End Purge Time: ___ **Final Water Level:** ___ ft bmp. **Total Volume Purged:** ___ gal.

Color: ___ ***Odor:*** ___ ***Sheen/Free Product:*** ___

Analytical Sample ID: ___ **Date:** ___ **Time:** ___

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes: well dry - no water removed

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-07
Northing:
Easting:

Site Name:	Bomax	Sampling Method:	Hand Bailing	Field Personnel:	JWP/ MTB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	7/23/19
Project #:	49512	Pump/Controller ID#:	NA	Weather:	~~Rainy~~ Sunny, 65°F

Well information:

Installed Depth of Well*:	ft. bmp.		
Measured Depth of Well*:	29.06 ft. bmp.		
Depth to Water*:	24.84 ft. bmp.		
Water Column Length:	4.22 ft.		
Well Diameter:	2 in.		

Well Volume Multipliers:

	1 in. = 0.041 gal/ft
X	2 in. = 0.163 gal/ft
	4 in. = 0.653 gal/ft
	6 in. = 1.469 gal/ft
	8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
Protective Casing
Other:

Well Volume: ~~0.8~~ gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations

Start Purge Time: ~~3~~ 1538 **Initial Water Level:** 24.95 ft bmp.

Color: black ***Odor:*** none ***Sheen/Free Product:*** none

indicate units

~~Elapsed~~ Time *~~Minutes~~*	Volume Purged *gallons*	Temperature *Celsius*	pH *S.I. units*	Conductivity *µS/cm*	Other *Turbidity (NTU)*
Initial 1533	0	10.51	6.89	862.33	831
presample		10.18	7.02	767.97	638.89

Final Observations 1549

End Purge Time: ~~3~~ 1549 **Final Water Level:** 28.45 ft bmp. **Total Volume Purged:** 41.5 gal.

Color: black ***Odor:*** none ***Sheen/Free Product:*** none

Analytical Sample ID: MW12-07-072419 **Date:** 7/24/19 **Time:** 1615

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes: Aqua troll SN 464322 @ Sample
Color: light brown
7/24 DTW 24.77

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-25
Northing:
Easting:

Site Name: Bomax
Site Location: Watertown, NY
Project #: 49512

Sampling Method: Hand Bailing
Equipment Used: Bailer
Pump/Controller ID#: NA

Field Personnel: JWP/ MTB
Date: 7/24/19
Weather: Sunny 75°F

Well information:

Installed Depth of Well*: ____ ft. bmp.
Measured Depth of Well*: 40.76 ft. bmp.
Depth to Water*: 20.6 ft. bmp.
Water Column Length: 20.16 ft.
Well Diameter: ____ in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
___ 2 in. = 0.163 gal/ft
X 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: 13.15 gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations

Start Purge Time: 1020 **Initial Water Level:** 20.6 ft bmp.

Color: Clear ***Odor:*** None ***Sheen/Free Product:*** None

indicate units

Elapsed Time *Minutes*	Volume Purged *gallons*	Temperature *Celsius*	pH *S.I. units*	Conductivity *µS/cm*	Other *Turbidity (NTU)*
Initial	0	11.36	11.35	2,506.5	82.08

Final Observations

End Purge Time: 1115 **Final Water Level:** 39.62 ft bmp. **Total Volume Purged:** ~12.5 gal.

Color: Opaque Lt. Grey ***Odor:*** None ***Sheen/Free Product:*** None

Analytical Sample ID: ____ **Date:** ____ **Time:** ____

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes:

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-76p
Northing:
Easting:

Site Name:	Bomax	Sampling Method:	Hand Bailing	Field Personnel:	JWP/ MTB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	07/24/19
Project #:	49512	Pump/Controller ID#:	NA	Weather:	Sunny, 65°F

Well information:

Installed Depth of Well*:		ft. bmp.	
Measured Depth of Well*:	41.3	ft. bmp.	
Depth to Water*:	39.54	ft. bmp.	
Water Column Length:	1.76	ft.	
Well Diameter:	4	in.	

Well Volume Multipliers:

	1 in. = 0.041 gal/ft
	2 in. = 0.163 gal/ft
X	4 in. = 0.653 gal/ft
	6 in. = 1.469 gal/ft
	8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
Protective Casing
Other:

Well Volume: 1.14 gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations

Start Purge Time: 1211 **Initial Water Level:** 39.54 ft bmp.

Color: Clear ***Odor:*** None ***Sheen/Free Product:*** None

indicate units

Elapsed Time *Minutes*	Volume Purged *gallons*	Temperature *Celsius*	pH *S.I. units*	Conductivity *µS/cm*	Other *Turbidity (NTU)*
Initial	0	11.21	7.46	144872	37.66

Final Observations

End Purge Time: 1220 **Final Water Level:** 40.6 ft bmp. **Total Volume Purged:** 0.75 gal.

Color: Opaque brown ***Odor:*** None ***Sheen/Free Product:*** None

Analytical Sample ID: **Date:** **Time:**

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes:

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW-02
Northing:
Easting:

Site Name:	Bomax	Sampling Method:	Hand Bailing	Field Personnel:	JWP/ MTB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	07/24/19
Project #:	49512	Pump/Controller ID#:	NA	Weather:	Sunny, 70°F

Well information:

Installed Depth of Well*:		ft. bmp.
Measured Depth of Well*:	26.91	ft. bmp.
Depth to Water*:	6.9	ft. bmp.
Water Column Length:	20.01	ft.
Well Diameter:	~~4~~ 2 JWP	in.

Well Volume Multipliers:

	1 in. = 0.041 gal/ft
X	2 in. = 0.163 gal/ft
	~~4~~ in. = 0.653 gal/ft
	6 in. = 1.469 gal/ft
	8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
Protective Casing
Other:

Well Volume: ~~3.0~~ 3.2 JWP gal. 3.2 gal
Pump Intake Depth*: NA ft. bmp.

Initial Observations

Start Purge Time: 1300 **Initial Water Level:** 20.01 ft bmp.

Color: Clear ***Odor:*** None ***Sheen/Free Product:*** None

indicate units

Elapsed Time (Minutes)	Volume Purged (gallons)	Temperature (Celsius)	pH (S.I. units)	Conductivity (µS/cm)	Other (Turbidity (NTU))
Initial	0	9.88	7.76	1112.0	12.55

Final Observations

End Purge Time: 1328 **Final Water Level:** 26.0 ft bmp. **Total Volume Purged:** ~7 gal.

Color: Cloudy Brown ***Odor:*** None ***Sheen/Free Product:*** None

Analytical Sample ID: **Date:** **Time:**

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes: ~~Well Casing Above Ground is 4 inches but well only held~~ ~7 gallons. JWP
Well was not cased, therefore it is ~2" diameter and was partially recovering as I bailed, thus, I removed more than 1 volume.

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW-01
Northing:
Easting:

Site Name:	Bomax	Sampling Method:	Hand Bailing	Field Personnel:	JWP/ MTB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	7/24/19
Project #:	49512	Pump/Controller ID#:	NA	Weather:	

Well Information:

Installed Depth of Well*:	ft. bmp.		
Measured Depth of Well*:	27.74 ft. bmp.		
Depth to Water*:	6.14 ft. bmp.		
Water Column Length:	21.6 ft.	JWP	
Well Diameter:	4 JWP 2 in.		

Well Volume Multipliers:

___	1 in. = 0.041 gal/ft
X	2 in. = 0.163 gal/ft
~~X~~	4 in. = 0.653 gal/ft
JWP ___	6 in. = 1.469 gal/ft
___	8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: ~~14.1~~ gal. 3.5 JWP
Pump Intake Depth*: JWP NA ft. bmp.

Initial Observations

Start Purge Time: 1336 **Initial Water Level:** 6.14 ft bmp.

Color: Clear ***Odor:*** None ***Sheen/Free Product:*** None

indicate units

Elapsed Time *Minutes*	Volume Purged *gallons*	Temperature *Celsius*	pH *S.I. units*	Conductivity *µS/cm*	Other *Turbidity (NTU)*
Initial	0	10.83	8.15	888.2	4.01

Final Observations

End Purge Time: 1400 **Final Water Level:** 27.0 ft bmp. **Total Volume Purged:** ~7 gal.

Color: Mgmt dk. gray ***Odor:*** Slight Sulfur ***Sheen/Free Product:*** Slight Chemical

Analytical Sample ID: **Date:** **Time:**

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes: Cored w/ NX, therefore well is actually ~2". Well was partially recovering as I bailed. Thus, we removed more than 1 volume

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-10
Northing:
Easting:

Site Name: Bomax
Site Location: Watertown, NY
Project #: 49512
Sampling Method: Hand Bailing
Equipment Used: Bailer
Pump/Controller ID#: NA
Field Personnel: JWP/ MTB
Date: 7/24/19
Weather:

Well Information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 29.49 ft. bmp.
Depth to Water*: 10.9 ft. bmp.
Water Column Length: ft.
Well Diameter: in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
X 2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
Protective Casing
Other:
Well Volume: gal.
Pump Intake Depth*: NA ft. bmp

Initial Observations
Start Purge Time: 1530 **Initial Water Level:** ft bmp.
Color: Trans. Red ***Odor:*** None ***Sheen/Free Product:*** None

indicate units

Elapsed Time (Minutes)	Volume Purged (gallons)	Temperature (Celsius)	pH (S.I. units)	Conductivity (µS/cm)	Other (Turbidity (NTU))
Initial	SAMPLE PARAMETERS ONLY.				
	END PURGE PARAMETERS ON IPAD				
	—	12.34	7.32	1861.9	106.68

Final Observations
End Purge Time: **Final Water Level:** 10.9 ft bmp. **Total Volume Purged:** gal.
Color: ***Odor:*** ***Sheen/Free Product:***

Analytical Sample ID: MW12-10-072419 **Date:** 07/24/19 **Time:** 1530
X3-072419

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes:
Field blank (X3) here for MNA.

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-20
Northing:
Easting:

Site Name:	Bomax	Sampling Method:	Hand Bailing	Field Personnel:	JWP/ MTB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	7/23/19
Project #:	49512	Pump/Controller ID#:	NA	Weather:	Sunny, 80°

Well Information:

Installed Depth of Well*:	- ft. bmp.		
Measured Depth of Well*:	29.91 ft. bmp.		
Depth to Water*:	5.58 ft. bmp.		
Water Column Length:	24.33 ft.		
Well Diameter:	4 in.		

Well Volume Multipliers:

___	1 in. = 0.041 gal/ft
___	2 in. = 0.163 gal/ft
X	4 in. = 0.653 gal/ft
___	6 in. = 1.469 gal/ft
___	8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: 15.88 gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations

Start Purge Time: 8:35 **Initial Water Level:** 5.65 ft bmp.

Color: light brown ***Odor:*** none ***Sheen/Free Product:*** none

indicate units

Elapsed Time *Minutes*	Volume Purged *gallons*	Temperature *Celsius*	pH *S.I. units*	Conductivity *µS/cm*	Other *Turbidity (NTU)*
Initial 8:13	0	9.81	7.10	8,659.3	18.89
prescample		10.18	7.43	5,404.4	28.82
TIME	gals	DTW			
8:42	5	13.45			
8:58	10	21.10			

Final Observations

End Purge Time: 9:17 **Final Water Level:** 28.93 ft bmp. **Total Volume Purged:** 15 gal.

Color: dark brown ***Odor:*** none ***Sheen/Free Product:*** none

Analytical Sample ID: MW12-20-072419 **Date:** 7/24/19 **Time:** 1600

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes: Aqua troll SN 464327
Depth 23.10 ft - send down 809mm
DTW 6.69

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-24
Northing:
Easting:

Site Name:	Bomax	Sampling Method:	Hand Bailing	Field Personnel:	JWP/ MTB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	07/25/19
Project #:	49512	Pump/Controller ID#:	NA	Weather:	

Well information:

Installed Depth of Well*:	ft. bmp.		
Measured Depth of Well*:	45.13 ft. bmp.		
Depth to Water*:	40.05 ft. bmp.		
Water Column Length:	ft.		
Well Diameter:	in.		

Well Volume Multipliers:

	1 in. = 0.041 gal/ft
	2 in. = 0.163 gal/ft
X	4 in. = 0.653 gal/ft
	6 in. = 1.469 gal/ft
	8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
Protective Casing
Other:

Well Volume: gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations

Start Purge Time: 0915 **Initial Water Level:** ft bmp.

Color: Opaque lt. gry ***Odor:*** None ***Sheen/Free Product:*** None

indicate units

Elapsed Time (Minutes)	Volume Purged (gallons)	Temperature (Celsius)	pH (S.I. units)	Conductivity (µS/cm)	Other (Turbidity (NTU))
Initial	THIS CRITERION ONLY FOR SAMPLING. SEE OTHER LOG OR IPAD FOR PURGING RESULTS!				
-	-	13.06	7.11	1445.9	759.18

Final Observations

End Purge Time: **Final Water Level:** ft bmp. **Total Volume Purged:** gal.

Color: ***Odor:*** ***Sheen/Free Product:***

Analytical Sample ID: MW12-24-072519 **Date:** 07/25/19 **Time:** 0915

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes:

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-26
Northing:
Easting:

Site Name: Bomax | Sampling Method: Hand Bailing | Field Personnel: JWP/ MTB
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 07/25/19
Project #: 49512 | Pump/Controller ID#: NA | Weather:

Well information:
Installed Depth of Well*: ____ ft. bmp.
Measured Depth of Well*: 41.3 ft. bmp.
Depth to Water*: 40.6 ft. bmp.
Water Column Length: ____ ft.
Well Diameter: ____ in.

Well Volume Multipliers:
___ 1 in. = 0.041 gal/ft
___ 2 in. = 0.163 gal/ft
___ 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other: ____
Well Volume: ____ gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations

Start Purge Time: ____ **Initial Water Level:** ____ ft bmp.

Color: ~~Clear~~ Opaque Brown ***Odor:*** None ***Sheen/Free Product:*** None

indicate units

Elapsed Time (Minutes)	Volume Purged (gallons)	Temperature (Celsius)	pH (S.I. units)	Conductivity (µS/cm)	Other (Turbidity (NTU))
Initial	THIS SHEET FOR SAMPLING PARAMETERS				
	ONLY. SEE OTHER LOG / IPAD FOR				
	PURGE PARAMETERS				
—	—	12.01	7.09	128,227	540.21

Final Observations

End Purge Time: ____ **Final Water Level:** 40.58 ft bmp. **Total Volume Purged:** ____ gal.

Color: ____ ***Odor:*** ____ ***Sheen/Free Product:*** ____

Analytical Sample ID: MW12-26-072519 **Date:** 07/25/19 **Time:** 1120

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
					VOCs	

Notes:

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-25
Northing:
Easting:

Site Name:	Bomax	Sampling Method:	Hand Bailing	Field Personnel:	JWP/ MTB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	7/25/19
Project #:	49512	Pump/Controller ID#:	NA	Weather:	

Well Information:

Installed Depth of Well*:	ft. bmp.		
Measured Depth of Well*:	40.76 ft. bmp.		
Depth to Water*:	39.62 ft. bmp.		
Water Column Length:	38.24 ft.		
Well Diameter:	in.		

Well Volume Multipliers:

___	1 in. = 0.041 gal/ft
___	2 in. = 0.163 gal/ft
___	4 in. = 0.653 gal/ft
___	6 in. = 1.469 gal/ft
___	8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: ___ gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations

Start Purge Time: ___ **Initial Water Level:** ___ ft bmp.

Color: Opaque gray ***Odor:*** None ***Sheen/Free Product:*** None

indicate units

Elapsed Time (Minutes)	Volume Purged (gallons)	Temperature (Celsius)	pH (S.I. units)	Conductivity (µS/cm)	Other (Turbidity (NTU))
Initial	THIS SHEET ONLY USED FOR SAMPLING PARAMETERS. SEE OTHER SHEET OR IPAD FOR PURGE RESULTS!				
—	—	13.43	9.52	1,504.8	2.70

Final Observations

End Purge Time: ___ **Final Water Level:** 38.24 ft bmp. **Total Volume Purged:** ___ gal.

Color: ___ ***Odor:*** ___ ***Sheen/Free Product:*** ___

Analytical Sample ID: MW12-25-072519 **Date:** 07/25/19 **Time:** 0935

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
60 mL	Voa 60 mL	3	—	HCl	VOCs	Eurofins
1 L	Amber 1 L	2	—	—	1,4 Dioxane	Eurofins

Notes: Added 1,4 Dioxane to this location b/c we couldn't pull enough water @ MW17-14

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-21
Northing:
Easting:

Site Name: Bomax | Sampling Method: Hand Bailing | Field Personnel: JWP/ MTB
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 7/25/19
Project #: 49512 | Pump/Controller ID#: NA | Weather: Sunny, 70

Well information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 40.44 ft. bmp.
Depth to Water*: 28.14 ft. bmp.
Water Column Length: 12.3 ft.
Well Diameter: 4 in.

Well Volume Multipliers:
___ 1 in. = 0.041 gal/ft
X 2 in. = 0.163 gal/ft
X 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:
Well Volume: 8.03 gal.
Pump Intake Depth*: NA ft. bmp

Initial Observations
Start Purge Time: 815 | Initial Water Level: 28.14 ft bmp.
Color: clear | Odor: none | Sheen/Free Product: none

Elapsed Time (Minutes)	Volume Purged (gallons)	Temperature (Celsius)	pH (S.I. units)	Conductivity (µS/cm)	Other (Turbidity (NTU))
Initial	~1.5	19.41	7.45	978.84	0.26
Pre sample	~24	20.78	6.38	* 0	0.07

Final Observations
End Purge Time: 940 | Final Water Level: 33.31 (954) ft bmp. | Total Volume Purged: 24 gal.
Color: light tan | Odor: none | Sheen/Free Product: none

Analytical Sample ID: MW12-21-072519 | Date: 7/25/19 | Time: 955

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes:
Started low flow attempt head drop + 1 FAT in 15 minutes, DEC instructed to switch to ~~bailing~~ bailing
3 gals = 24 gals

* sampled for VOCs + 1,4 dioxane

total purged 5 gal buckets: 4 1/4

OBG — Low Flow Groundwater Sampling Log

Well ID: MW12-21
Northing:
Easting:

Site Name: Boman
Site Location: Watertown
Project #:
Sampling Method: Low Flow
Equipment Used: Peri Pump
Pump/Controller ID#: 10738
Field Personnel: MTB
Date: 7/25/19
Weather: Sunny, 70

Well information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 40.44 ft. bmp.
Depth to Water*: 28.14 ft. bmp.
Length of Water Column (LWC): 12.3 ft.
Well Diameter: 4 in.

Well Volume Multipliers:
___ 1 in. = 0.041 gal/ft
___ 2 in. = 0.163 gal/ft
X 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

* Measurement Point: Top of casing
☐ Other:
Well Volume: 8.03 gal.
Pump Intake Depth*: ~30 ft. ft. bmp.

Start Purge Time: 815
Initial Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Select Units from Dropdown Menus

Elapsed Time *Minutes*	Depth to Water *ft bmp*	Temperature °C ~~Fahrenheit~~	pH *SU*	Specific Conductivity *mS/cm*	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Flow Rate *ml/min*	Other
0	28.14	-9.99	7.13	11.82	37	5.24	4.92	200	
5	28.95	-9.99	7.40	7.139	-8.1	15.90	4.80	200	
10	29.06	-9.99	7.51	13.68	-47	18.54	3.35	200	
15	29.19	-9.99	7.54	7.450	-59.1	10.86	3.03	200	
20	29.31	-9.99	7.56	13.44	-70.1	14.62	3.11	200	
25		17.19	7.						
30									
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

Switch to Simulation

End Purge Time:
Total volume of groundwater purged: gal.
DO Titrataion: mg/L

Final Observations: *Color* *Odor* *Sheen/Free Product*
Specific Gravity

Analytical Sample ID: **Date:** **Time:**

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory

Notes:

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW-2
Northing:
Easting:

Site Name:	Bomax	Sampling Method:	Hand Bailing	Field Personnel:	JWP/ MTB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	7/25/19
Project #:	49512	Pump/Controller ID#:	NA	Weather:	

Well information:

Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 26.91 ft. bmp.
Depth to Water*: 12.04 ft. bmp.
Water Column Length: ft.
Well Diameter: in.

Well Volume Multipliers:

___ 1 in. = 0.041 gal/ft
___ 2 in. = 0.163 gal/ft
___ 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
___ Protective Casing
___ Other:

Well Volume: gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations

Start Purge Time: 1135 **Initial Water Level:** ft bmp.

Color: Cloudy Grow ***Odor:*** None ***Sheen/Free Product:*** None

indicate units

Elapsed Time (Minutes)	Volume Purged (gallons)	Temperature (Celsius)	pH (S.I. units)	Conductivity (µS/cm)	Other (Turbidity (NTU))
Initial	THIS SHEET ONLY FOR SAMPLE				
	PARAMETERS; SEE OTHER SHEET				TRIP
	AND PURGE PARAMETERS!				
		12.00	8.09	1,509.5	16.24

Final Observations

End Purge Time: **Final Water Level:** 12.04 ft bmp. **Total Volume Purged:** gal.

Color: ***Odor:*** ***Sheen/Free Product:***

Analytical Sample ID: MW-2-072519 **Date:** 07/25/19 **Time:** 1135

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes:

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW-1
Northing:
Easting:

Site Name: Bomax | Sampling Method: Hand Bailing | Field Personnel: JWP/ MTB
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 7/25/19
Project #: 49512 | Pump/Controller ID#: NA | Weather:

Well information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 27.74 ft. bmp.
Depth to Water*: 27.0 ft. bmp.
Water Column Length: ft.
Well Diameter: in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
X Well Casing
Protective Casing
Other:
Well Volume: gal.
Pump Intake Depth*: NA ft. bmp.

Initial Observations
Start Purge Time: 1200 **Initial Water Level:** ft bmp.
Color: Cloudy gray ***Odor:*** Sulfur ***Sheen/Free Product:*** None

indicate units

Elapsed Time (Minutes)	Volume Purged (gallons)	Temperature (Celsius)	pH (S.I. units)	Conductivity (µS/cm)	Other (Turbidity (NTU))
Initial		This Sheet for Sampling parameters only; See other Sheet / Excel for purging Results.			
		11.48	7.98	899.85	634.4

Final Observations
End Purge Time: **Final Water Level:** 25.75 ft bmp. **Total Volume Purged:** + gal.
Color: ***Odor:*** ***Sheen/Free Product:***

Analytical Sample ID: X4-072519
MW-1-072519
MW-1-072519-MS
Date: 07/25/19 **Time:** 1200

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
	MW-1-072519-MSD					

Notes:

OBG — Low Flow Groundwater Sampling Log

Well ID: MW12-77
Northing:
Easting:

Site Name: Bunker
Site Location: Wethersfield, CT
Project #:
Sampling Method: Low flow
Equipment Used: Peristaltic pump
Pump/Controller ID#:
Field Personnel: JMP, MTB
Date: 07/25/19
Weather: Sunny, 75°F

Well Information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 33.1 ft. bmp.
Depth to Water*: 6.6 ft. bmp.
Length of Water Column (LWC): ft.
Well Diameter: in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
X 4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point: Top of Casing (TOC)
☐ Other:
Well Volume: 17 gal.
Pump Intake Depth*: 25 ft. bmp.

Start Purge Time: 1330
Initial Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Select Units from Dropdown Menus

Elapsed Time (Minutes)	Depth to Water (ft bmp)	Temperature (Fahrenheit)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Flow Rate (ml/min)	Other
0	6.6	21.13	7.19	4,333.6	-152.9	2.58	15.3	200	
~~0~~ 5	7.23	19.11	7.15	4,378	-153.4	3.19	8.78	200	
10	7.35	18.36	7.11	4,382.9	-150.6	3.69	7.81	200	
15	8.1								
- -	- -	STOP Low-flow due to fall in water level						- -	-
	Switch to bailer...								
				Final WL:		32.4	TOC		
				WL when Sampled:			27.34		

Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: ~~1330~~ 1407
Total volume of groundwater purged: 16.5 gal.
DO Titrataion: mg/L

Final Observations: *Color* Opaque greenish gray *Odor* Sulfur *Sheen/Free Product* None
Specific Gravity

Analytical Sample ID: MW12-27-072519 **Date:** 07/25/19 **Time:** 1440

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory

Notes:

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-28
Northing:
Easting:

Site Name: Bomax | Sampling Method: Hand Bailing | Field Personnel: JWP/ MTB
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 7/25
Project #: 49512 | Pump/Controller ID#: NA | Weather: Sunny 75

Well Information:

Installed Depth of Well*:	ft. bmp.		1 in. = 0.041 gal/ft
Measured Depth of Well*:	29.76 ft. bmp.	X	2 in. = 0.163 gal/ft
Depth to Water*:	6.40 ft. bmp.		4 in. = 0.653 gal/ft
Water Column Length:	23.36 ft.		6 in. = 1.469 gal/ft
Well Diameter:	4 in.		8 in. = 2.611 gal/ft

Well Volume Multipliers:

* Measurement Point:
X Well Casing
Protective Casing
Other:

Well Volume: ~~15.25~~ gal.
Pump Intake Depth*: NA ft. bmp

Initial Observations 1300
Start Purge Time: ~~1340~~ Initial Water Level: 6.40 ft bmp.
Color: Clear Odor: none Sheen/Free Product: none

indicate units

Elapsed Time (Minutes)	Volume Purged (gallons)	Temperature (Celsius)	pH (S.I. units)	Conductivity (~~pS/cm~~ mS/cm)	Other (Turbidity (NTU))
Initial	0	19.35	9.57	553.10	62.62
prescumpu		14.47	8.31	~~1562~~ 46.28 ↑ mS/cm	1.57 (@ ~29 ft)

Final Observations
End Purge Time: 1340 Final Water Level: 29.21 ft bmp. Total Volume Purged: 13 gal.
Color: dark brown Odor: none Sheen/Free Product: none

Analytical Sample ID: ~~MW12-28-072519~~ Date: 7/25/19 Time: ~~1400~~

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

MW12-28-072619
Date: 7/26/19
time: 0800

Notes:
water level 7/26 28.5

OBG — Low Flow Groundwater Sampling Log

Well ID: MW12-28
Northing:
Easting:

Site Name: BOMAY
Site Location: Watertown, NY
Project #:
Sampling Method: LOW FLOW
Equipment Used: Peripump
Pump/Controller ID#:
Field Personnel: MTB/JTWP
Date: 7/25/19
Weather: Sunny, 7C

Well Information:
Installed Depth of Well*: ft. bmp.
Measured Depth of Well*: 29.76 ft. bmp.
Depth to Water*: 6.40 ft. bmp.
Length of Water Column (LWC): 23.36 ft.
Well Diameter: 4 in.

Well Volume Multipliers:
___ 1 in. = 0.041 gal/ft
___ 2 in. = 0.163 gal/ft
X 4 in. = 0.653 gal/ft
___ 6 in. = 1.469 gal/ft
___ 8 in. = 2.611 gal/ft

* Measurement Point: top of casing
☐ Other:
Well Volume: 15.25 gal.
Pump Intake Depth*: ft. bmp.

Start Purge Time: 1300
Initial Observations: *Color* Clear *Odor* none *Sheen/Free Product*

Select Units from Dropdown Menus

Elapsed Time *Minutes*	Depth to Water *ft bmp*	Temperature *Fahrenheit*	pH *SU*	Specific Conductivity *mS/cm*	ORP *mV*	Dissolved Oxygen *mg/L*	Turbidity *NTU*	Flow Rate *ml/min*	Other
0	~~7.57~~ 6.4	~~19.35~~	9.57	553.10	~~-89.7~~	~~-89.7~~	62.62	250	
5	7.51	16.96	9.74	371.49	-104.1	4.19	55.17	250	
10	7.81								
—	—	STOP	LOW-FLOW	due	to	WL	Changes	—	—
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1310
Total volume of groundwater purged: < 1 gal.
DO Titrataion: ___ mg/L

Final Observations: *Color* *Odor* *Sheen/Free Product*
Specific Gravity

Analytical Sample ID: **Date:** **Time:**

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory

Notes: Cannot achieve low-flow rate lower than 250mL/min.

Purged ✓ Recovering

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW-1
Northing: 1453522.065
Easting: 987401.667

Site Name: Bomax Manufacturing | Sampling Method: Bailer | Field Personnel: LJR/LB
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 11/16/21 - 11/17
Project #: 1940101337 | Pump/Controller ID#: NA | Weather: ~40 F overcast

Well Information:

Installed Depth of Well*:	28.4 ft. bmp		
Measured Depth of Well*:	~~28.8~~ ft. bmp		
Depth to Water*:	5.2 ft. bmp		
Water Column Length:	23.2 ft		
Well Diameter:	~~2.0~~ in. 4		

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other: ___

Well Volume: 15.1 gal.
Pump Intake Depth*: ___ ft. bmp

Initial Observations
Start Purge Time: 15:20
Color: slightly turbid Odor: None Sheen/Free Product: None
indicate units

	Time	Depth to Water ft bmp	Volume Purged (gallons)	Temperature deg. F	pH Std. Units	Specific Conductivity* uS/cm	Turbidity NTU
11/16	initial	5.2	0	10.2	8.70	—	51.4
	↳ Dry @	15:47	at ~8 gallons		at 28.2 ft bgs		
	presample						
11/17	9:50	20.8	—	10.1	8.19	0.77	42.3

Final Observations
End Purge Time: NA Final Water Level: 20.8 ft bmp. Total Volume Purged: ~8 gal.
Color: clear Odor: None Sheen/Free Product: None

Analytical Sample ID: MW-1-111721 Date: 11/17/21 Time: 10:00

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40	VOA	3	N	HCl	VOC	EFTA
250	250 ml	2	N	None	1,4 DX	EFTA

Notes:
* EC probe malfunctioning. PINE en route w/ replacement.
- Difficult to tell diameter of well. No 2" PVC within 4" steel casing but 2 buckets will not fit past ~5-6 ft. took ~8 gal to purge. Dry. Slow recovery.

Recharging

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW-2
Northing: 1453498.382
Easting: 987295.325

Site Name: Bomax Manufacturing | Sampling Method: Bailer | Field Personnel: LJR/LB
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 11/17/21
Project #: 1940101337 | Pump/Controller ID#: NA | Weather: 35 overcast

Well information:

Installed Depth of Well*:	28.1	ft. bmp
Measured Depth of Well*:	27.0	ft. bmp
Depth to Water*:	4.55	ft. bmp
Water Column Length:	22.45	ft.
Well Diameter:	2.0	in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other

Well Volume: 14.6 gal
Pump Intake Depth*: ___ ft. bmp

Initial Observations
Start Purge Time: 0745
Color: Clear Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water ft bmp	Volume Purged (gallons)	Temperature deg. F	pH Std. Units	Specific Conductivity uS/cm	Turbidity NTU
11/17 0	4.55	0	9.0	6.54	1.58	23.8
Dry	26.7	~~10~~ 10				
11/17 11:55	19.2	→ Ready to Sample				
Pre-Sample						
11/17 PRE 15	19.2	—	11.3	7.91	2.01	71.0

Final Observations
End Purge Time: 0830 Final Water Level: 27.0 ft bmp Total Volume Purged: ~10 gal
Sample Color: clear Odor: None Sheen/Free Product: None

Analytical Sample ID: MW-2-111720 Date: 11/17/21 Time: 12:15

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40	VOA	3	N	HCl	VOC	EFTA
250	Glass	2	N	None	1,4 Dx	EFTA

Notes:
Well narrows to less the 4 inch, ran dry after 10 gal

Recharging (c)

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW-3
Northing: 1453534.208
Easting: 987278.598

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA

Field Personnel: LJR/LB
Date: 11/16/21
Weather: 35F partsun

Well information:

Installed Depth of Well*: 30.5 ft. bmp
Measured Depth of Well*: 29.87 ft. bmp
Depth to Water*: 8.08 ft. bmp
Water Column Length: 21.8 ft.
Well Diameter: ~~2~~ in. 4?

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft 3.5g
6 in. = 1.469 gal/ft 14.8g
8 in. = 2.611 gal/ft

* Measurement Point:
__ Well Casing
X Protective Casing
__ Other:

Well Volume: ____ gal.
Pump Intake Depth*: ____ ft. bmp

3.6 to 14

Initial Observations

Start Purge Time: 16:00
Color: Slightly Turbid tanish Brn Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water ft bmp	Volume Purged (gallons)	Temperature deg F	pH Std. Units	Specific Conductivity uS/cm	Turbidity NTU
Initial	8.08	0	10.1	8.28	1.16	82.2
	Dry at 16:45 ~ 7 gallons water — recharge overnight.					
11/17 10:15	22.45					
Presample						
11/17 10:30	22.45	—	10.9	8.29	1.92	25.9

Final Observations

End Purge Time: —
Final Water Level: 22.45 ft bmp
Total Volume Purged: ~7g gal.
Color: Clear Odor: None Sheen/Free Product: None

Analytical Sample ID: MW-3-111721 Date: 11/17/21 Time: 10:30

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40	VOA	3	N	HCl	VOC	ESPA
250	Glass Am	2	N	None	1,4 Dx	"

Notes:

~~DEC Probe Malfunctioning, PWE en route w/ replacement~~ -48
↳ Delivered

— WV purges suggests diameter b/t 2 & 4" Not recharging

Sampled Recovering

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-01
Northing: 1453727.674
Easting: 987966.16

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA

Field Personnel: LJR/LB
Date: 11/16/21
Weather: 35 F overcast

Well information:

Installed Depth of Well*:	32.1	ft. bmp.
Measured Depth of Well*:	32.R	ft. bmp.
Depth to Water*:	4.22	ft. bmp.
Water Column Length:	23.1	ft.
Well Diameter:	4.0	in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other:

Well Volume: 15.1 gal.
Pump Intake Depth*: ___ ft. bmp

Initial Observations

Start Purge Time: 14:15

Color: mostly clear Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water ft bmp	Volume Purged (gallons)	Temperature deg. F	pH Std. Units	Specific Conductivity (*) uS/cm	Turbidity NTU
11/16 initial	4.22	0	12.8	7.61	—	58.4
	Dry at	14.6 gallons				
	Recover	from	14:35			
11/17 Resample	29.35	14.8	10.1	7.66	1.47	29.8

Final Observations

End Purge Time: NA Final Water Level: 29.35 ft bmp. Total Volume Purged: 14.8 gal.

Color: clear Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-01-111721 Date: 11/17/21 Time: 8:20

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
					VOC	
					1,4 Dx	

Notes:
(*) Hanna hi EC Probe malfunction & PINE bringing new one to site

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-02
Northing: —
Easting: —

Site Name:	Bomax Manufacturing	Sampling Method:	Bailer	Field Personnel:	LJR
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	11/19/21
Project #:	1940101337	Pump/Controller ID#:	NA	Weather:	34F Part Sun

Well information:

Installed Depth of Well*:	31.9	ft. bmp.	
Measured Depth of Well*:	26.69	ft. bmp.	
Depth to Water*:	12.91	ft. bmp.	
Water Column Length:	13.78	ft.	
Well Diameter:	2.0	in.	

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other:

Well Volume: 2.25 gal.
Pump Intake Depth*: ___ ft. bmp.

Initial Observations

Start Purge Time: 8:15

Color: slightly cloudy Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water (ft bmp)	Volume Purged (gallons)	Temperature (deg. F)	pH (Std. Units)	Specific Conductivity (uS/cm)	Turbidity (NTU)
8:15(0)	12.91	0	13.2	6.77	1.06	49.0
10	19.3	2.3	13.5	7.17	1.04	19.8
20	19.2	4.5	13.3	7.26	1.05	22.1
30	19.5	7	13.6	7.32	1.04	16.1

Final Observations

End Purge Time: 8:45 Final Water Level: 19.5 ft bmp. Total Volume Purged: 7 gal/ gal.

Color: slightly cloudy Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-02-111921 (X-2) Date: 11/19/21 Time: 9:00

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
					VOC 1,4 Dioxane	

Notes:
Field Dup 2 (X-2-111921) VOC & 1,4 Dioxane

Sampled Recovery

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-03
Northing: 1454360.693
Easting: 987698.353

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337
Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA
Field Personnel: LJR/LB
Date: 11/16/21 - 11/17/21
Weather: 32° overcast

Well Information:
Installed Depth of Well*: 32 ft. bmp.
Measured Depth of Well*: 31.96 ft. bmp.
Depth to Water*: 7.29 ft. bmp.
Water Column Length: 24.7 ft.
Well Diameter: 4.0 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other:

Well Volume: 16.1 gal.
Pump Intake Depth*: — ft. bmp.

Initial Observations
Start Purge Time: 8:30
Color: Hazy light Brn Odor: None Sheen/Free Product: None
indicate units

Time	Depth to Water ft bmp	Volume Purged (gallons)	Temperature deg. F	pH Std. Units	Specific Conductivity uS/cm	Turbidity NTU
Initial	7.29	0	10.9	6.85	4.71	45
	Dry after purging ~15 gallons					
	Recovery from 10:15 – 31.					
11/16 10:15	31.7 ft					
11/16 13:30	31.0 ft					
11/17 8:45	29.77					
11/17 PM Sample	29.7	—	10.8	6.87	4.58	243

Final Observations
End Purge Time: NA Final Water Level: 29.7 ft bmp Total Volume Purged: 15.5 gal
Color: Sed. cloudy org. Brn Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-03-111721 (MS MSD) Date: 11/17/21 Time: 9:00

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40 ml	VOA	3 (x3)	N	HCl	TCL VOC	EFTA
250ml	Amber Glass	2 (x3)	N	None	1,4 Dx	EFTA

Notes: MS/MSD; VOC, 1,4 Dioxane

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-04
Northing:
Easting:

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337
Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA
Field Personnel: LFB
Date: 11/18/21-11/19
Weather:

Well information:
Installed Depth of Well*: 36.7 ft. bmp.
Measured Depth of Well*: 31.9 ft. bmp.
Depth to Water*: 3.7 ft. bmp.
Water Column Length: 28.2 ft.
Well Diameter: 4 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other:
Well Volume: 18.4 gal.
Pump Intake Depth*: ___ ft. bmp.

Initial Observations
Start Purge Time: 1100
Color: Orange Odor: None Sheen/Free Product: None

Time	Depth to Water (ft bmp)	Volume Purged (gallons)	Temperature (deg. F)	pH (Std. Units)	Specific Conductivity (uS/cm)	Turbidity (NTU)
11/18 0	3.7	0	10.9	7.52	1.53	191
30	31.2	18.4				
	↳ well purged dry					
11/19	6.95	0	12.0	7.33	1.63	51.9

Final Observations
End Purge Time: 1145 Final Water Level: 6.95 ft bmp. Total Volume Purged: 18.4 gal.
Color: Clear Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-04-111921 Date: 11/19/21 Time: 1150

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
					VOC 1,4 Dx	

Notes:
Dry after 1 well volume

Sampled
Recharging

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-05
Northing: 1454097.13
Easting: 987683.22

Site Name:	Bomax Manufacturing	Sampling Method:	Bailer	Field Personnel:	LJR/LB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	11/16/21 – 11/17/21
Project #:	1940101337	Pump/Controller ID#:	NA	Weather:	85 overcast

Well information:

Installed Depth of Well*:	29.7	ft. bmp	
Measured Depth of Well*:	28.6	ft. bmp	?
Depth to Water*:	9.74	ft. bmp	
Water Column Length:	18.86	ft.	
Well Diameter:	4.0	in.	

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

Well Volume: 12.3 gal
Pump Intake Depth*: ____ ft. bmp

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other: ____

Initial Observations
Start Purge Time: 1410

30.4
32.05

Color: Clear Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water ft bmp	Volume Purged (gallons)	Temperature deg F	pH Std. Units	Specific Conductivity uS/cm	Turbidity NTU
0	9.74	0	9.8	7.17	4.78	85.3
11/16 15	Rem	Dry after 1	Minute			
11/17 Pre sample	30.8	12.3	7.03	6.98	4.88	15.1

Final Observations
End Purge Time: NA Final Water Level: 30.8 ft bmp Total Volume Purged: 12.3 gal
Color: Trans Brn Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-05-111721 Date: 11/17/21 Time: 7:45

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
					VOC 1,4 Dx	

Notes:
Barely enough water to sample - dry

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-06
Northing: 1453821.353
Easting: 987360.409

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA

Field Personnel: LJR/LB
Date: 11/17 - 11/18/21
Weather: 40s overcast

Well Information:

Installed Depth of Well*: 32 ft. bmp.
Measured Depth of Well*: 31.8 ft. bmp.
Depth to Water*: 4.8 ft. bmp.
Water Column Length: 27.0 ft.
Well Diameter: 4.0 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other: ___

Well Volume: 17.6 gal.
Pump Intake Depth*: ___ ft. bmp.

Initial Observations
Start Purge Time: 1445
Color: Clear Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water ft bmp	Volume Purged (gallons)	Temperature deg. F	pH Std. Units	Specific Conductivity uS/cm	Turbidity NTU
0	4.8	0	9.4	8.50	0.90	56.8
35	31.3	18				
11/17	→ Dry - recharged overnight					
Pre-sample 11/18 11:50	13.6	—	12.2	7.85	0.75	17.2

Final Observations
End Purge Time: Sample
Final Water Level: 13.6 ft bmp
Total Volume Purged: 18 gal.
Color: clear Odor: none Sheen/Free Product: None

Analytical Sample ID: MW12-06-111821 Date: 11/18/21 Time: 12:00

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40	VOA	3	N	HCl	VOC	TA
250	Glass	2	N	None	1,4-DX	TA

Notes: Well purged dry after 1 well volume.

Sampled

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-07
Northing: 1453917.42
Easting: 987571.43

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA

Field Personnel: LJR/LB
Date: 11/16/21
Weather:

Well Information:

Installed Depth of Well*:	29.7	ft. bmp
Measured Depth of Well*:	29.20	ft. bmp
Depth to Water*:	9.61	ft. bmp
Water Column Length:	19.59	ft.
Well Diameter:	2.0	in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other:

Well Volume: 3.19 gal
Pump Intake Depth*: ___ ft. bmp

Initial Observations

Start Purge Time: 11:40
Color: ~~Original~~ orange Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water (ft bmp)	Volume Purged (gallons)	Temperature (deg F)	pH (Std Units)	Specific Conductivity (uS/cm)	Turbidity (NTU)
0	9.61	0	10.1	7.92	0.80	overrange
10	24.15	3.19	11.0	7.76	0.83	323
20	25.25	6.40	13.1	7.60	0.83	312
30	25.53	9.6	12.7	7.57	0.83	282

Final Observations

End Purge Time: 1210 Final Water Level: 25.53 ft bmp Total Volume Purged: 9.6 gal
Color: Cloudy White Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-07-111621 Date: 11/16/21 Time: ~~12~~ 12:35

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
~~AG~~ 250	Amber	4		None	6,4 DX	
40	VOA	6		HCL	VOC	

Notes:
Orange/white mucus in water
FD-1 collected

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-08
Northing:
Easting:

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA

Field Personnel: LFB
Date: 11/18/21-11/19
Weather:

Well information:

Installed Depth of Well*: 29.7 ft. bmp.
Measured Depth of Well*: 29.1 ft. bmp.
Depth to Water*: 2.6 ft. bmp.
Water Column Length: 26.5 ft.
Well Diameter: 4 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
__ Well Casing
X Protective Casing
__ Other:

Well Volume: 17.3 gal.
Pump Intake Depth*: ft. bmp.

Initial Observations

Start Purge Time: 1300
Color: Orange Odor: None Sheen/Free Product: None

Time	Depth to Water (ft bmp)	Volume Purged (gallons)	Temperature (deg. F)	pH (Std. Units)	Specific Conductivity (uS/cm)	Turbidity (NTU)
0	2.6	0	11.4	7.23	1.33	321
30	28.7	17.3				
	Left well to purge dry					
	2.3	0	12.8	7.15	1.13	68

11/18
11/19

Final Observations

End Purge Time: 1210 Final Water Level: 2.3 ft bmp. Total Volume Purged: 17.3 gal.
Color: Odor: Sheen/Free Product:

Analytical Sample ID: MW12-08-111921 Date: 11/19/21 Time: 1215

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes: Well purged dry after 1 well volume.

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-09
Northing: 1453977.1
Easting: 987415.14

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA

Field Personnel: LJR/LB
Date: 11/17/21
Weather: 45F overcast

Well Information:

Installed Depth of Well*: 29.8 ft. bmp
Measured Depth of Well*: 24.89 ft. bmp
Depth to Water*: 4.72 ft. bmp
Water Column Length: 20.17 ft.
Well Diameter: 4.0 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other: ___

Well Volume: 13.2 gal.
Pump Intake Depth*: ___ ft. bmp

Initial Observations
Start Purge Time: 14:45
Color: clear Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water ft bmp	Volume Purged (gallons)	Temperature deg. F	pH Std. Units	Specific Conductivity uS/cm	Turbidity NTU
Initial	4.72	0	12.9	5.47	3.66	18.9
11/17 25	DRY @ 15:11 → ≈ 12.5 gallons.					
	Recover from 15:11 — overnight					
11/18 12:20	18.47	—	11.9	8.30	1.08	444.2

Final Observations SAMPLE
End Purge Time: ___ Final Water Level: 18.47 ft bmp Total Volume Purged: 12.5 gal.
Color: clear Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-09-111821 Date: 11/18/21 Time: 12:30

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
SAME as other "N" samples						

Notes:

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-10
Northing: 1454053.67
Easting: 987482.6

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337
Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA
Field Personnel: LJR/LB
Date: 11/17/21
Weather: 45F Rain

Well information:

Installed Depth of Well*: 29.4 ft. bmp
Measured Depth of Well*: 29.6 ft. bmp
Depth to Water*: 8.36 ft. bmp
Water Column Length: 21.24 ft.
Well Diameter: 4.0 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other: ___

Well Volume: 13.7 gal
Pump Intake Depth*: ___ ft. bmp

Initial Observations
Start Purge Time: 15:30
Color: clear Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water ft bmp	Volume Purged (gallons)	Temperature deg. F	pH Std. Units	Specific Conductivity uS/cm	Turbidity NTU
11/17 initial	8.36	0	12.5	7.64	0.76	51.6
20	28.1	14	12.01	7.31	2.24	over range
22	DRY	14.5				
	Left @ 15:52 w/ 14.5 gallons					
	recover overnight					
11/18 12:45	8.97	—	12.5	7.54	1.04	43.0

Final Observations SAMPLE (Pre
End Purge Time: ___ Final Water Level: 8.97 ft bmp Total Volume Purged: 14.5 gal
Color: clear Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-10-11821 Date: 11/18/21 Time: 13:00

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
SAME AS OTHER "N" samples.						

Notes:

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-11
Northing: 1454140.32
Easting: 987523.23

Site Name: Bomax Manufacturing | Sampling Method: Bailer | Field Personnel: LJR/LB
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 11/18/21
Project #: 1940101337 | Pump/Controller ID#: NA | Weather: 55 - overcast/rain

Well information:

Installed Depth of Well*:	29.7 ft. bmp		
Measured Depth of Well*:	28.85 ft. bmp		
Depth to Water*:	12.32/12.4 ft. bmp		
Water Column Length:	16.45 ft.		
Well Diameter:	~~4.0~~ in. 2		

Well Volume Multipliers:

1 in. = 0.041 gal/ft	
2 in. = 0.163 gal/ft	
4 in. = 0.653 gal/ft	
6 in. = 1.469 gal/ft	
8 in. = 2.611 gal/ft	

Inner PVC outerstel

* Measurement Point:
__ Well Casing
X Protective Casing
__ Other:

Well Volume: 2.7 gal
Pump Intake Depth*: ~5 ft. bmp

Initial Observations
Start Purge Time: 9:00
Color: opaque Brn gray Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water ft bmp	Volume Purged (gallons)	Temperature deg. F	pH Std. Units	Specific Conductivity uS/cm	Turbidity NTU
Initial	16.45	0	15.8	6.74	1.66	overrange
7	16.4	3	15.5	7.05	1.75	+4
27	16.5	2.5	15.3	7.09	1.69	+4
40	16.51	3	14.5	7.2	1.61	402

Final Observations
End Purge Time: 8:40 Final Water Level: 16.51 ft bmp Total Volume Purged: 8.5 gal
Color: semi opaque Brn Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-11-111821 Date: 11/18/21 Time: 9:00

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40	VOA	3	N	HCl	VOC	EETA
250	Glass	2	N	NaOH	1,4 Dx	EETA

Notes:

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-12
Northing:
Easting:

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA

Field Personnel: LFIS
Date: 11/18-11/19/21
Weather: 45F Rain

Well information:

32.7 Installed Depth of Well*: 32.7 ft. bmp.
Measured Depth of Well*: ~~40.10~~ ft. bmp.
Depth to Water*: 10.6 ft. bmp.
Water Column Length: 22.9 ft.
Well Diameter: 4 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other: ___

Well Volume: 14.5 gal.
Pump Intake Depth*: ___ ft. bmp.

Initial Observations

Start Purge Time: 1420
Color: Clear Odor: Strong Bio Sheen/Free Product: None

indicate units

Time	Depth to Water (ft bmp)	Volume Purged (gallons)	Temperature (deg. F)	pH (Std. Units)	Specific Conductivity (uS/cm)	Turbidity (NTU)
0	10.6	0	13.5	7.41	1.48	86
30	32.2	15	-			
	well went dry					
11/19	26.8	0	9.4	7.74	1.94	97

Final Observations

End Purge Time: 1110 Final Water Level: 26.8 ft bmp. Total Volume Purged: 15 gal.
Color: Clear Odor: Strong Biological Sheen/Free Product: None

Analytical Sample ID: MW12-12-111921 Date: 11/19/21 Time: ~~11/19/21~~ 1115

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes: Water is clear -> turns to black when oxidized, very strong smell. Well purged dry after 1 volume.

~ Sampled Recharge sug

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-13
Northing: 1453453.4
Easting: 987288.89

Site Name:	Bomax Manufacturing	Sampling Method:	Bailer	Field Personnel:	LJR/LB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	11/16/21
Project #:	1940101337	Pump/Controller ID#:	NA	Weather:	37° Part Sun

Well information:

Installed Depth of Well*	33.1	ft. bmp
33.0 → Measured Depth of Well*	32.6	ft. bmp
Depth to Water*	3.40	ft. bmp
Water Column Length*	29.6	ft.
Well Diameter	4.0	in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft	
2 in. = 0.163 gal/ft	
4 in. = 0.653 gal/ft	
6 in. = 1.469 gal/ft	
8 in. = 2.611 gal/ft	

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other

Well Volume: 19.3 gal
Pump Intake Depth: ___ ft. bmp

Initial Observations

Start Purge Time: 1515

Color: Clear *Odor:* None *Sheen/Free Product:* None

indicate units

Time	Depth to Water (ft bmp)	Volume Purged (gallons)	Temperature (deg F)	pH (Std Units)	Specific Conductivity (uS/cm)	Turbidity (NTU)
11/16 0	3.40	0	8.1	8.42	1.54	89.9
30	32.6	19.0				
		Dry	Sat. Volume			
11/17 10:55	7.39	—	11.2	7.88	1.40	29.6

Final Observations sample Water

End Purge Time: — Final Water Level: 7.59 ft bmp Total Volume Purged: ~19 gal

Color: clear *Odor:* Sulfur *Sheen/Free Product:* None

Analytical Sample ID: MW12-13-111721 **Date:** 11/17/21 **Time:** 11:10

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40	VOA	3	N	HCl	VOC	EFTA
250	N. Glass	2	N	NaOH	1,4 Dx	EFTA

Notes:

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-14
Northing: 1454201.25
Easting: 987550.11

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA

Field Personnel: LJR/LB
Date: 11/19/21
Weather:

Well Information:

Installed Depth of Well*: 29.6 ft. bmp.
Measured Depth of Well*: 27.8 ft. bmp.
Depth to Water*: 10.10 ft. bmp.
Water Column Length: 17.7 ft.
Well Diameter: ~~4~~ 2 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other: ___

Well Volume: 2.9 gal.
Pump Intake Depth*: ___ ft. bmp

Initial Observations

Start Purge Time: 0800
Color: Clear Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water ft bmp	Volume Purged (gallons)	Temperature deg. F	pH Std. Units	Specific Conductivity uS/cm	Turbidity NTU
0	10.10	0	12.3	6.76	1.26	15.0
10	10.37	~~2.72~~ 2.7	11.3	7.11	1.25	35.0
20	11.01	~~5.45~~ 5.4	11.3	7.31	1.23	38.0
30	11.30	8.7	13.4	7.13	1.25	38.8

Final Observations

End Purge Time: 0830 Final Water Level: 11.30 ft bmp Total Volume Purged: 8.7 gal.
Color: Clear Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-14-111921 Date: 11/19/21 Time: 0840

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes:
MS/MSD collected.

Recharging

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-15
Northing: 1453508.85
Easting: 987066.43

Site Name:	Bomax Manufacturing	Sampling Method:	Bailer	Field Personnel:	LJR/LB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	11/17/21
Project #:	1940101337	Pump/Controller ID#:	NA	Weather:	SF, overcast

Well Information:

Installed Depth of Well*:	33	ft. bmp
Measured Depth of Well*:	32.7	ft. bmp
Depth to Water*:	3.64	ft. bmp
Water Column Length:	29.06	ft.
Well Diameter:	~~2~~ 4 (?)	in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
Well Casing
X Protective Casing
Other:

Well Volume: ~~4.73~~ gal.
Pump Intake Depth*: ft. bmp

Initial Observations

Start Purge Time: 0915

Color: Clear/orange Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water (ft bmp)	Volume Purged (gallons)	Temperature (deg F)	pH (Std. Units)	Specific Conductivity (uS/cm)	Turbidity (NTU)
0	3.64	0	9.8	8.34	1.98	83.9
30 ~~20~~	31.6	~14				
11/17 12:30	25.99	→ ok to Sample.				
PM Sample						
12:45	25.99	—	10.4	7.94	9.45	96.7

Final Observations Sample

End Purge Time: — Final Water Level: 25.99 ft bmp. Total Volume Purged: ~14 gal.

Color: trans light Brn Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-15-111721 Date: 11/17/21 Time: 12:45

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes: Purged dry after ~14 gallons, Abt. 4 in ø 2 inch well → assume 1 volume removed, no ~~action~~ significant recharge

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-16
Northing: 1454529.5
Easting: 987288.03

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA

Field Personnel: LJR/LB
Date: 11/17/21 - 11/19
Weather:

Well information:

Installed Depth of Well*: 29.6 ft. bmp
Measured Depth of Well*: 27.4 ft. bmp
Depth to Water*: 0.0 ft. bmp (surface)
Water Column Length: ~~15.40~~ 27.4 ft
Well Diameter: 4.0 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other:

Well Volume: 17.9 gal
Pump Intake Depth*: ___ ft. bmp

Initial Observations
Start Purge Time: 1540
Color: Clear Odor: None Sheen/Free Product: Sheen
indicate units

	Time	Depth to Water ft bmp	Volume Purged (gallons)	Temperature deg. F	pH Std. Units	Specific Conductivity uS/cm	Turbidity NTU
11/16	0	0.0	0	11.2	8.46	0.40	18
	35	27.2	18				
		well went dry					
11/19		0.0	0	11.5	7.95	0.22	180

Final Observations
End Purge Time: 11/19/21 Final Water Level: 0.0 ft bmp Total Volume Purged: 18 gal
Color: Clear/Brown Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-16-111921 Date: 11/19/21 Time: 0945

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes: Well purged dry after 1 well volume
- Purged on 11/17
- Standing water on 11/18 - Not sampled. Water allowed to recharge
- Sampled on 11/19/21

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-17
Northing:
Easting:

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337
Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA
Field Personnel: LFB
Date: 11/18/21 - 11/19
Weather:

Well information:
Installed Depth of Well*: 29.7 ft. bmp.
Measured Depth of Well*: 29.7 ft. bmp.
Depth to Water*: 9.7 ft. bmp.
Water Column Length: 20 ft.
Well Diameter: 4 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other:
Well Volume: 13.0 gal.
Pump Intake Depth*: ___ ft. bmp.

Initial Observations
Start Purge Time: 1040
Color: Brown Odor: None Sheen/Free Product: None

Time	Depth to Water (ft bmp)	Volume Purged (gallons)	Temperature (deg. F)	pH (Std. Units)	Specific Conductivity (uS/cm)	Turbidity (NTU)
0	9.7	0	13.0	6.83	6.43	305
11/18 30	29.1	13				
	↳ well purged dry after 1 volume					
11/19	28.3	0	9.4	6.78	7.11	Over range

Final Observations
End Purge Time: 11/19/21 1005 Final Water Level: 28.3 ft bmp. Total Volume Purged: 13 gal.
Color: Black Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-17-111921 Date: 11/19/21 Time: 1010

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes: Well purged dry after 1 well volume.

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-18
Northing:
Easting:

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337
Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA
Field Personnel: LFB
Date: 11/18/21
Weather:

Well information:
Installed Depth of Well*: 29.5 ft. bmp.
Measured Depth of Well*: 29.4 ft. bmp.
Depth to Water*: 6.4 ft. bmp.
Water Column Length: 23.0 ft.
Well Diameter: 2 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other:
Well Volume: 3.7 gal.
Pump Intake Depth*: ___ ft. bmp.

Initial Observations
Start Purge Time: 0840
Color: Clear Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water ft bmp	Volume Purged (gallons)	Temperature deg. F	pH Std. Units	Specific Conductivity uS/cm	Turbidity NTU
0	6.4	0	13.6	7.18	0.60	131
10	11.3	3.7	13.5	7.48	0.57	102
20	21.2	7.4	13.3	7.35	0.76	134
30	24.6	11.1	13.0	7.49	0.62	123

Final Observations
End Purge Time: 0910 Final Water Level: 24.6 ft bmp. Total Volume Purged: 11.1 gal.
Color: Clear Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-18-111821 Date: 11/18/21 Time: 0930

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40	VOA	3	N	HCl	VOC	TA
250	Glass	2	N	None	1,4-D	TA

Notes:

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-19
Northing: 1454336.61
Easting: 987149.7

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA

Field Personnel: LJR/LB
Date: 11/17/21
Weather: 45 overcast

Well Information:

Installed Depth of Well*:	29.6	ft. bmp.
Measured Depth of Well*:	28.6	ft. bmp.
Depth to Water*:	2.1	ft. bmp.
Water Column Length:	26.5	ft.
Well Diameter:	4.0	in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other

Well Volume: 17.3 gal
Pump Intake Depth*: ___ ft. bmp

Initial Observations
Start Purge Time: 1640
Color: Orange Odor: None Sheen/Free Product: None
indicate units

Time	Depth to Water (ft bmp)	Volume Purged (gallons)	Temperature (deg. F)	pH (Std. Units)	Specific Conductivity (uS/cm)	Turbidity (NTU)
11/17						
0	2.1	0	11.1	7.74	0.95	261
	↳ Dry at	17.3 gallons				
	↳ Recover	overnight.				
11/18						
1430	2.69	—	11.9	7.74	0.74	56.6

Final Observations
End ~~Purge~~ Time: Sample
Final Water Level: 2.69 ft bmp
Total Volume Purged: 17.3 gal
Color: clear Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-19-111821 Date: 11/18/21 Time: 14:40

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
SAME as other			"N"	Samples		

Notes: Well purged dry after 1 well volume.

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-20
Northing: 1454408.07
Easting: 987969.45

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337
Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA
Field Personnel: LJR/LB
Date: 11/9 - 11/18
Weather: Rain

Well Information:
Installed Depth of Well*: 29.7 ft. bmp
Measured Depth of Well*: 29.9 ft. bmp
Depth to Water*: 3.95 ft. bmp
Water Column Length: 25.95 ft.
Well Diameter: 4.0 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other:
Well Volume: 17.0 gal.
Pump Intake Depth*: ___ ft. bmp

Initial Observations
Start Purge Time: 1315
Color: Clear Odor: None Sheen/Free Product: None
indicate units

	Time	Depth to Water (ft bmp)	Volume Purged (gallons)	Temperature (deg. F)	pH (Std. Units)	Specific Conductivity (uS/cm)	Turbidity (NTU)
11/17	0	3.95	0	11.5	7.37	4.22	103
	30	28.95	17				
		Empty - left to Recharge overnight					
11/18	10:50	5.72	—	11.5	7.67	3.69	446

Final Observations
End Purge Time: Sample
Final Water Level: 5.72 ft bmp
Total Volume Purged: 17 gal.
Color: clear Odor: None Sheen/Free Product: None

Analytical Sample ID: ___ Date: ___ Time: ___

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40	VOA	3	N	HCl	VOC	EFTA
250	Glass	2	N	None	1,4 DX	EFTA

Notes: Well purged dry after 1 volume.

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-21
Northing:
Easting:

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337

Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA

Field Personnel: LFB
Date: 11/19/21
Weather:

Well information:

Installed Depth of Well*: ____ ft. bmp.
Measured Depth of Well*: 40.5 ft. bmp.
Depth to Water*: 27.4 ft. bmp.
Water Column Length: 13.1 ft.
Well Diameter: 4 in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other: ____

Well Volume: 8.5 gal.
Pump Intake Depth*: ____ ft. bmp.

Initial Observations

Start Purge Time: 1510
Color: Clear Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water (ft bmp)	Volume Purged (gallons)	Temperature (deg. F)	pH (Std. Units)	Specific Conductivity (uS/cm)	Turbidity (NTU)
0	27.4	0	12.1	7.46	1.64	153
10	38.6	9	11.3	7.54	1.75	210
20	36.7	18	10.4	7.58	1.78	345
30	37.1	27	10.5	7.47	1.80	221

Final Observations

End Purge Time: 1540 Final Water Level: 37.1 ft bmp. Total Volume Purged: 27 gal.
Color: Brown Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-21-111821 Date: 11/18/21 Time: 1600

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes:

Turned Well Dry

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-22
Northing: 1454207.68
Easting: 988007.64

Site Name: Bomax Manufacturing | Sampling Method: Bailer | Field Personnel: LJR/LB
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 11/17/21
Project #: 1940101337 | Pump/Controller ID#: NA | Weather: 45° overcast

Well Information:

Installed Depth of Well*:	39.5	ft. bmp
Measured Depth of Well*:	42.69	ft. bmp
Depth to Water*:	Dry	ft. bmp
Water Column Length:		ft.
Well Diameter:	4.0	in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other: ____

Well Volume: ____ gal.
Pump Intake Depth*: ____ ft. bmp

Initial Observations
Start Purge Time: ____ NA Dry

Color: ____ *Odor:* ____ *Sheen/Free Product:* ____

indicate units

Time	Depth to Water (ft bmp)	Volume Purged (gallons)	Temperature (deg. F)	pH (Std. Units)	Specific Conductivity (uS/cm)	Turbidity (NTU)

Final Observations
End Purge Time: ____ Final Water Level: ____ ft bmp. Total Volume Purged: ____ gal.

Color: ____ *Odor:* ____ *Sheen/Free Product:* ____

Analytical Sample ID: ____ Date: ____ Time: ____

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes:
Well Dry

No Sample

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-23I
Northing: 1453924.35
Easting: 987575.09

Site Name: Bomax Manufacturing | Sampling Method: Bailer | Field Personnel: LJR/LB
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 11/15/21
Project #: 1940101337 | Pump/Controller ID#: NA | Weather:

Well information:

45.5

Installed Depth of Well*:	45.4 ft. bmp	1 in. = 0.041 gal/ft	* Measurement Point:
Measured Depth of Well*:	~~44.92~~ ft. bmp	2 in. = 0.163 gal/ft	___ Well Casing
44.92 Depth to Water*:	~~45.51~~ bmp	4 in. = 0.653 gal/ft	X Protective Casing
Water Column Length:	0.59 ft.	6 in. = 1.469 gal/ft	___ Other:
Well Diameter:	4.0 in.	8 in. = 2.611 gal/ft	Well Volume: .39 gal.
			Pump Intake Depth*: ___ ft. bmp

Initial Observations

Start Purge Time: 1345
Color: Black Odor: None Sheen/Free Product: None

Time	Depth to Water (ft bmp)	Volume Purged (gallons)	Temperature (deg C)	pH (Std. Units)	Specific Conductivity (uS/cm)	Turbidity (NTU)
0	44.92	.00	8.2	7.23	1.65	Over range
15	Purged dry after many attempts, insufficient water recovered ~.25 bailer gallons					
11/16	45.15					

Final Observations

End Purge Time: 1400 Final Water Level: 45.25 ft bmp Total Volume Purged: 0.25 gal.
Color: Black Odor: None Sheen/Free Product: None

Analytical Sample ID: ___ Date: ___ Time: ___

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes:
Will re attempt on 11/16
Returned on 11/16 to sample, ~~ND~~ insufficient water level

Sampled

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-24
Northing: 1454045.61
Easting: 987665.66

Site Name:	Bomax Manufacturing	Sampling Method:	Bailer	Field Personnel:	LJR/LB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	
Project #:	1940101337	Pump/Controller ID#:	NA	Weather:	

Well Information:

Installed Depth of Well*:	41.4	ft. bmp
Measured Depth of Well*:	42.35	ft. bmp
Depth to Water*:	35.60	ft. bmp
Water Column Length:	6.75	ft.
Well Diameter:	4.0	in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other:

Well Volume: 4.4 gal
Pump Intake Depth*: ___ ft. bmp

Initial Observations
Start Purge Time: 1445
Color: Clear Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water ft bmp	Volume Purged (gallons)	Temperature deg F	pH Std. Units	Specific Conductivity uS/cm	Turbidity NTU
0	35.60	0	9.6	7.15	1.36	53.3
5	40.97	4.4	9.2	7.02	1.50	220
50	42.3	8.8	10.5	7.48	1.86	42
		Purged day after 1.5 volumes				
		recharge overnight				
11/16/21	36.12 ↓					
	42.09	4.4	9.9	7.74	1.67	94.7
	Recharge ↓					
12:45	36.4	-	10.8	7.85	1.61	74.4

Final Observations
End Purge Time: 1245 Final Water Level: 36.4 ft bmp Total Volume Purged: 13.2 gal
Color: None Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-24-111621 Date: 11/16/21 Time: 1250

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes:

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-25
Northing: 1454149.36
Easting: 987527.31

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337
Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA
Field Personnel: LJR/LB
Date: 11/17/21
Weather: 45 Light Rain

Well Information:
Installed Depth of Well*: 39.7 ft. bmp
Measured Depth of Well*: 40.82 ft. bmp
Depth to Water*: 15.47 ft. bmp
Water Column Length: 25.35 ft.
Well Diameter: 4.0 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other:
Well Volume: 16.6 gal.
Pump Intake Depth*: ___ ft. bmp

Initial Observations
Start Purge Time: 16:20
Color: Trans orange / Brn Odor: None (muddy) Sheen/Free Product: None

indicate units

Time	Depth to Water ft bmp	Volume Purged (gallons)	Temperature deg. F	pH Std. Units	Specific Conductivity uS/cm	Turbidity NTU
11/17 16:25	15.47	0	12.9	11.8	1.84	108
	→ Dry @ 16:42 ≈ 16.5 gallons					
11/18 9:30	39.05	→ Sample able				
Pre Sample 9:35	39.05	—	11.5	10.7	1.72	335

Final Observations
End Purge Time: Sample NA Final Water Level: 39.05 ft bmp Total Volume Purged: 16.5 gal.
Color: semi plague Brown Odor: ~~Hydro~~ None Sheen/Free Product: None

Analytical Sample ID: MW12-25-111821 Date: 11/18/21 Time: 9:45

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40	VOA	3	N	HCl	VOC	TA
250	Glass	2	N	None	1,4-D	TA

Notes:
- Very Turbid, gritty sample

Recharging

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-26
Northing: 1453496.64
Easting: 987304

Site Name:	Bomax Manufacturing	Sampling Method:	Bailer	Field Personnel:	LJR/LB
Site Location:	Watertown, NY	Equipment Used:	Bailer	Date:	11/16/21 - 11/17/21
Project #:	1940101337	Pump/Controller ID#:	NA	Weather:	35 F overcast

Well Information:

Installed Depth of Well*:	41.2	ft. bmp.
Measured Depth of Well*:	40.7	ft. bmp.
Depth to Water*:	38.2	ft. bmp.
Water Column Length:	2.5	ft.
Well Diameter:	4.0	in.

Well Volume Multipliers:

1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
___ Well Casing
X Protective Casing
___ Other:

Well Volume: 1.6 gal.
Pump Intake Depth*: ___ ft. bmp.

Initial Observations
Start Purge Time: 1650
Color: Clear Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water ft bmp	Volume Purged (gallons)	Temperature deg. F	pH Std. Units	Specific Conductivity uS/cm	Turbidity NTU	
11/16 0	38.2	0	8.1	6.80	720	57.6	- LFB
	→ Dry @ 1 WV						
11/17 11:20	39.9	(41.4)					
Pre Sample							
11/17 11:40	39.9	←	9.6	7.35	720	85.5	LJR

Final Observations
End Purge Time: Sample
Final Water Level: 39.9 ft bmp. Total Volume Purged: 1.6 gal.
Color: translight Brn Odor: ~~none~~ Sulfur Sheen/Free Product: None

Analytical Sample ID: MW12-26-111721 Date: 11/17/21 Time: 11:40

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes:
- Very little water
- Replaced bailer, Sample water leaking out check valve
- high Cond - & difficulty w/ WL meter

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-27
Northing: 1454325.59
Easting: 988165.17

Site Name: Bomax Manufacturing | Sampling Method: Bailer | Field Personnel: LJR/LB
Site Location: Watertown, NY | Equipment Used: Bailer | Date: 11/17-11/18-21
Project #: 1940101337 | Pump/Controller ID#: NA | Weather: overcast/rain

Well information:

Installed Depth of Well*:	32.8 ft. bmp	1 in. = 0.041 gal/ft	* Measurement Point:
Measured Depth of Well*:	31.9 ft. bmp	2 in. = 0.163 gal/ft	___ Well Casing
Depth to Water*:	4.4 ft. bmp	4 in. = 0.653 gal/ft	X Protective Casing
Water Column Length:	28.5 ft.	6 in. = 1.469 gal/ft	___ Other:
Well Diameter:	4.0 in.	8 in. = 2.611 gal/ft	Well Volume: 18.6 gal.
			Pump Intake Depth*: ___ ft. bmp

Initial Observations
Start Purge Time: 1140
Color: Clear Odor: None Sheen/Free Product: None

indicate units

Time	Depth to Water (ft bmp)	Volume Purged (gallons)	Temperature (deg F)	pH (Std. Units)	Specific Conductivity (uS/cm)	Turbidity (NTU)
0	4.4	0	10.2	7.63	4.66	161
11/17 40	32.4	19				
	Dry - recharged overnight.					
11/18 10:30	18.35	~~11.4~~ 19	~~7.8~~ 11.4	~~6.95~~ 7.8	4.95	70.5

Final Observations
~~End Purge Time:~~ Sample
Final Water Level: 18.35 ft bmp Total Volume Purged: 19 gal.
Color: clear Odor: None Sheen/Free Product: None

Analytical Sample ID: MW12-27-111821 Date: 11/18/21 Time: 10:45

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory
40	VOA	3	N	HCl	VOC	TA
250	Glass	2	N	None	6,4 Dx	TA

Notes: Well purged dry after 1 well volume.

RAMBOLL

Conventional Groundwater Sampling Log

Well ID: MW12-28
Northing: 1454186.22
Easting: 987430.65

Site Name: Bomax Manufacturing
Site Location: Watertown, NY
Project #: 1940101337
Sampling Method: Bailer
Equipment Used: Bailer
Pump/Controller ID#: NA
Field Personnel: LJR/LB
Date: 11/19/21
Weather:

Well Information:
Installed Depth of Well*: 29.3 ft. bmp.
Measured Depth of Well*: 29.8 ft. bmp.
Depth to Water*: 2.72 ft. bmp.
Water Column Length: 27.08 ft.
Well Diameter: 4.0 in.

Well Volume Multipliers:
1 in. = 0.041 gal/ft
2 in. = 0.163 gal/ft
4 in. = 0.653 gal/ft
6 in. = 1.469 gal/ft
8 in. = 2.611 gal/ft

* Measurement Point:
__ Well Casing
X Protective Casing
__ Other:
Well Volume: 17.6 gal.
Pump Intake Depth*: ft. bmp.

Initial Observations
Start Purge Time: 0736
Color: Orange Odor: None Sheen/Free Product: None

Time	Depth to Water (ft bmp)	Volume Purged (gallons)	Temperature (deg F)	pH (Std. Units)	Specific Conductivity (uS/cm)	Turbidity (NTU)
0	2.72	0	13.2	8.65	0.44	226
	28.8	17.6				
	↳ Well went dry after 1 well volume					
11/19	26.7	0	8.8	8.85	0.65	667

Final Observations
End Purge Time: 11/19 10:30 Final Water Level: 26.7 ft bmp. Total Volume Purged: 17.6 gal.
Color: Odor: Sheen/Free Product:

Analytical Sample ID: MW12-28-111921 Date: 11/19/21 Time: 1040

Container Size	Container Type	Quantity	Field Filtered?	Preservative	Analysis	Laboratory

Notes:
Purged dry after 1 well volume

Appendix E

Borehole Geophysical Report

BOREHOLE GEOPHYSICAL LOGGING SURVEY
13 WELLS – FORMER BOMAX MANUFACTURING SITE

WATERTOWN, JEFFERSON COUNTY, NEW YORK

May 9, 2019

Prepared for:

O'Brien & Gere
333 West Washington Street
Syracuse, NY 13221-4873

Prepared by:

RETTEW Field Services, Inc.
3020 Columbia Avenue
Lancaster, PA 17603

RETTEW Project No. 020752001

3020 Columbia Avenue, Lancaster, PA 17603 ● Phone: (800) 738-8395
E-mail: rettew@rettew.com ● Website: rettew.com

Engineers
Environmental Consultants
Surveyors
Landscape Architects
Safety Consultants
Geophysicists

May 9, 2019

Mr. David J. Carnevale
O'Brien & Gere
333 West Washington Street
Syracuse, NY 13221-4873

RE: Borehole Geophysical Logging Survey
13 Wells – Former Bomax Manufacturing Site
Watertown, NY
RETTEW Project No. 020752001

Dear Mr. Carnevale:

On April 22nd through 25th, 2019, RETTEW Field Services, Inc. (RETTEW), through its Geophysics Service Area, completed a geophysical borehole survey at the above-referenced site. The purpose of the survey was to identify fractures and water-bearing zones intersecting 13 wells. To accomplish these objectives, RETTEW conducted Optical Televiewer, 3-Arm Caliper, Natural Gamma, and electromagnetic (EM) Induction logging in each borehole.

LOGGING EQUIPMENT

RETTEW conducts borehole geophysics and televiewer logging using a Robertson Geologging, Ltd. Micrologger II and a Mount Sopris Matrix. These units record digital data for on-site log playback, reproduction, and field interpretation, as well as post-processing and report presentation. The systems are driven by field PCs running software supplied by the manufacturer for data acquisition, log replay, probe control, probe calibration, and logging environment compensation.

All the logging instruments are permanently mounted in a dedicated Ford F350 enclosed-bed truck, with a self-contained power supply as well as support and decontamination equipment. The downhole probes, or sondes, are connected to a Robertson Geologging Smartwinch with approximately 600 feet of 0.375-inch coaxial cable.

DECONTAMINATION PROCEDURE

Prior to RETTEW's departure to the site, the winch cable and sondes scheduled for use are decontaminated, to ensure the quality of sampling by preventing cross-contamination. The equipment used for decontamination is listed below.

Distilled water
Seventh Generation solution (mixed with distilled water)
Stiff-bristle brush
Manual pump spray bottle
Heavy duty paper towels
5-gallon bucket with lid

The procedure described below was implemented both before and after logging.

1. A decontamination area is designated and set-up.
2. Proper personal protective equipment is donned (i.e. nitrile gloves, safety glasses).
3. Sondes are removed from their containers and placed in the decontamination area.
4. Mixed detergent solution is applied to each sonde with a manual pump spray bottle.
5. Sondes are manually wiped down with a paper towel or scrubbed with a stiff bristle brush, depending on the amount of mud or dirt on the sonde.
6. Sondes are rinsed with distilled water and dried with a paper towel.
7. Discarded water is captured in a 5-gallon bucket, which is sealed for proper disposal and not allowed to infiltrate the soil.
8. If a sonde is still visibly contaminated, the process is repeated as necessary.
9. Decontamination of the winch cable is performed during the first deployment of a sonde down a borehole, and on the last retrieval of a sonde, for each borehole.
10. Mixed detergent solution is sprayed on paper towels, and the cable is wiped down on its initial deployment down a borehole.
11. Paper towels are monitored for cleanliness and replaced as necessary.
12. Cable decontamination process is repeated on the final recovery of a sonde, for each borehole.

LOGGING PARAMETERS AND METHODOLOGY

Geophysical well logging in general involves lowering sondes in a borehole and recording parameters that are related to the properties of the adjacent soil or rock, the fluids in the borehole or formation, and/or construction details of the well. There are many tools and techniques that have been developed to provide specific information in different environments and constructions of drilled holes. The data collected can define the nature and extent of geologic formations and formation fluids, and can be used to provide correlation between holes.

The sondes used for this survey are described below. Note that RETTEW personnel test them for proper function and recalibrate periodically, as necessary. This is essential to the proper acquisition of downhole data and the ability to relate the data from one borehole to another.

OPTICAL TELEVIEWER

The borehole optical televiewer (OPTV) or Optical Borehole Imager (OBI) provides a high-resolution digital optical scan of the interior of a borehole using visible wavelength light. From the accurately-scaled, continuous image it is possible to identify the depth and character of features such as fractures, bedding planes, veins, solution openings, etc. It is possible to calculate the strike, dip, and aperture of planar features. The OPTV operates by using a high-resolution color downhole camera, which views a reflection of the borehole walls in a hyperbolic correction mirror. At successive depth increments of 0.5 mm, rings of pixels corresponding to circular scans of the borehole wall are acquired from the probe and stacked into a continuous image. The image is rectangular – representing the interior of a cylinder that has been sliced open and rolled out flat. The image is oriented to north, based on data from three magnetometers and accelerometers in the sonde. Note that the use of magnetometers for orientation leads to image distortion in steel-cased holes, and within several feet of the base of steel casing in open holes. All OPTV

sondes require an open borehole, or one filled with a clear fluid. Planar features intersecting a cylindrical borehole appear sinusoidal on the flattened cylindrical image. The azimuth of the peak/trough of the sinusoid, and the amplitude of the sinusoid, can be measured and used to calculate the strike and dip (see **Appendix A**) of such features. Based on their visual character, planar features on the optical televiewer (and high-resolution acoustic televiewer [HRAT] – see below) logs are categorized on the log sheets as various types of geologic interface (fractures, bedding planes, foliation, etc.). Once sinusoids are fit to the structures, they are classified/color-coded according to **Table 1** and then corrected for borehole tilt. Data are subsequently corrected for declination using NOAA's "Estimated Value of Magnetic Declination" online calculator for each well location.

Tables listing the depth, aperture, strike, dip, and type of feature are included in this report, for each well; see **Appendix B**. Feature apertures are listed in tenths of an inch. An aperture of zero for an open fracture simply means that while it appears to be a continuous open feature, the opening is smaller than the line thickness on the log (~0.019 inches). Please note that feature measurements present within 5 feet of the bottom of a steel casing may be distorted due to metallic interference with the internal magnetometer.

Note also that it has been the experience of RETTEW that the aperture of a feature is not always a strong indicator of its water-producing potential. Thin, discrete features sometimes produce as much or more water (as evidence by flowmeter logging – see below) than wide, open fractures or fracture zones.

MECHANICAL CALIPER

Caliper measurements represent the average diameter of the borehole, or well, at a given depth. The caliper tool collects and transmits the data from three spring-loaded arms as the tool is lifted upwards through the borehole. The caliper tool is used to locate solution openings or fractures (where the borehole is typically enlarged due either to the presence of natural openings, or to plucking of broken rock by the drill bit), and to determine the length of casing intervals (as evident from small changes in casing diameter, or the small enlargements at threaded junctions, or narrowing due to the bead at welded junctions).

Caliper logs are collected by calibrating the downhole tool with a measuring template, lowering the tool to the base of the well, remotely opening the arms, and then logging the open borehole and casing diameter in an upward direction. Caliper logs are acquired with a logging speed of no more than 12 feet per minute (fpm).

NATURAL GAMMA

Gamma logs are one of the most widely-used geophysical logs in groundwater applications. They are used primarily to identify changes in lithology – specifically, the relative amounts of clay in various sedimentary units. A gamma log provides a record of the total natural gamma radiation detected within a given energy range. In water-bearing rocks and sediments that are not contaminated by artificial radioisotopes, the most significant naturally-occurring, gamma-emitting radioisotopes are potassium-40 and the daughter products of the uranium and thorium decay series. If gamma-emitting artificial radioisotopes have been introduced by humans into the groundwater system, they will also produce part of the radiation measured.

The amplitude of gamma-log deflections is affected by any borehole condition that alters the density of the material through which gamma photons must pass, or the length of the travel path. The bedding of a

gamma-emitting formation must be thick, in order to obtain a quantitative value, since the detector will be affected by the radiation from the formation as the tool approaches and passes the bed. Although increases in borehole diameter – or the presence of steel casing – will decrease the recorded gamma count, it is possible to collect usable information in both cased and open portions of the borehole using the gamma sonde. The presence of potassium-rich (and therefore gamma-emitting) bentonite clay commonly used in well construction will generally produce high gamma count peaks on a natural gamma log.

EM INDUCTION

As described in the Mt. Sopis Instrument Company, Inc. 2013 tool manual, the EM induction tool makes conductivity measurements by using a magnetic field to induce an electrical field, which in turn produces electrical currents in the material being surveyed. The magnetic field generated by the induced electrical currents is proportional to the conductivity of the material. Please note that the EM induction tool is sensitive to metallic interference, so portions of the EM logs affected by steel casing/surface metal were removed during post-processing.

LOGGING RESULTS

The logging results for the wells are presented on the enclosed digital logs and tables, and briefly summarized below.

Note that since analysis of borehole geophysical logs can be quite subjective, and the level of detail is dependent upon the specific goals of the geologist, the analysis below by RETTEW covers the major features of each log – as well as some possibly minor features – to serve as examples (or guides) for further interpretation by geologists familiar with the site, local geology, and/or project goals. In general, logs may display deviations (i.e. "spikes" where the parameter deviates from, and then returns to, "background" level), offsets (changes in background level), or slope changes. Any of these could be considered significant in certain situations, or when compared to correlating features at the same depth on other logs.

MW12-02

NOTABLE FEATURES

- The total depth (TD) of the well was logged at approximately 26.0 feet (ft) below ground surface (BGS).
- The depth to water (DTW) was measured at 22.8 ft BGS at the beginning of the survey.
- The casing was two-inch, screened PVC and extended to the bottom of the borehole.
- The natural gamma log indicates a relative increase in response near 16.0 ft BGS.
- The EM induction log indicates a relative increase at 15.5 ft BGS.

MW12-04

NOTABLE FEATURES

- The TD of the well was logged at approximately 32.1 below top of casing (TOC).

- The DTW was measured at 3.9 ft below TOC at the beginning of the survey.
- The diameter of the casing at the surface was measured to be four inches, and the bottom of the casing (BOC) was located at approximately 9.2 ft below TOC.
- The caliper (borehole diameter) log shows a partial borehole enlargement at 18.4 ft below TOC.
- The natural gamma log indicates a relative increase in response from 16.0 to 19.0 ft below TOC.
- Planar features were recognizable on the televiewer log. The depth, strike, dip, aperture, and feature type are listed on the log – as well as on the accompanying table in **Appendix B**.

MW12-07

NOTABLE FEATURES

- The TD of the well was logged at approximately 29.7 ft BGS.
- The DTW was measured at 24.4 ft below BGS at the beginning of the survey.
- The casing was two-inch, screened PVC and extended to the bottom of the borehole.
- The natural gamma log indicates a relative increase in response from 15.5 to 18.0 ft below BGS.
- The EM induction log indicates a relative increase from 15.5 to 18.0 ft BGS.

MW12-11

NOTABLE FEATURES

- The TD of the well was logged at approximately 29.4 ft BGS.
- The DTW was measured at 14.4 ft below BGS at the beginning of the survey.
- The natural gamma log indicates a relative increase in response near 14.0 ft below BGS.
- The EM induction log indicates a relative decline in response from 17.0 BGS to the bottom of the borehole.

MW12-12

NOTABLE FEATURES

- The TD of the well was logged at approximately 30.1 ft BGS.
- The DTW was measured at 10.5 ft BGS at the beginning of the survey.
- The diameter of the casing at the surface was measured to be four inches, and the BOC was located at approximately 7.8 ft BGS.
- The caliper log shows a partial borehole enlargement at 16.7 ft BGS.
- The natural gamma log indicates a relative increase in response near 16.5 ft BGS.
- The EM induction log indicates a relative increase in response near 15.6 ft BGS.
- Planar features were recognizable on the televiewer log. The depth, strike, dip, aperture, and feature type are listed on the log – as well as on the accompanying table in **Appendix B**.

MW12-21

NOTABLE FEATURES

- The TD of the well was logged at approximately 40.5 ft BGS.
- The DTW was measured at 25.7 ft BGS at the beginning of the survey.
- The diameter of the casing at the surface was measured to be four inches, and the BOC was located at approximately 30.0 ft BGS.
- The caliper log does not indicate any irregularities in borehole diameter.
- The natural gamma log indicates a relative increase in response near 17.5 ft BGS.
- Planar features were recognizable on the televiewer log. The depth, strike, dip, aperture, and feature type are listed on the log – as well as on the accompanying table in **Appendix B**.

MW12-22

NOTABLE FEATURES

- The TD of the well was logged at approximately 42.8 ft below TOC.
- The DTW was measured at 42.7 ft below TOC at the beginning of the survey.
- The diameter of the casing at the surface was measured to be four inches, and the BOC was located at approximately 32.0 ft below TOC.
- The caliper log does not indicate any irregularities in borehole diameter.
- Planar features were recognizable on the televiewer log. The depth, strike, dip, aperture, and feature type are listed on the log – as well as on the accompanying table in **Appendix B**.

MW12-23

NOTABLE FEATURES

- The TD of the well was logged at approximately 45.4 ft below TOC.
- The DTW was measured at 45.2 ft below TOC at the beginning of the survey.
- The diameter of the casing at the surface was measured to be four inches, and the BOC was located at approximately 30.4 ft below TOC.
- The caliper log does not indicate any irregularities in borehole diameter.
- The natural gamma log indicates a relative increase in response near 18.1 ft below TOC.
- Planar features were recognizable on the televiewer log. The depth, strike, dip, aperture, and feature type are listed on the log – as well as on the accompanying table in **Appendix B**.

MW12-24

NOTABLE FEATURES

- The TD of the well was logged at approximately 42.4 ft below TOC.
- The DTW was measured at 39.6 ft below TOC at the beginning of the survey.

- The diameter of the casing at the surface was measured to be four inches, and the BOC was located at approximately 31.8 ft below TOC.
- The caliper log indicates an irregularity in borehole diameter from 39.6 to the bottom of the borehole.
- Planar features were recognizable on the televiewer log. The depth, strike, dip, aperture, and feature type are listed on the log – as well as on the accompanying table in **Appendix B**.

MW12-25

NOTABLE FEATURES

- The TD of the well was logged at approximately 40.0 ft BGS.
- The DTW was measured at 23.5 ft BGS at the beginning of the survey.
- The diameter of the casing at the surface was measured to be four inches, and the BOC was located at approximately 29.4 ft BGS.
- The caliper log indicates an irregularity in casing diameter between 20.0 and 21.0 ft BGS.
- Planar features were recognizable on the televiewer log. The depth, strike, dip, aperture, and feature type are listed on the log – as well as on the accompanying table in **Appendix B**.

MW12-26

NOTABLE FEATURES

- The TD of the well was logged at approximately 41.3 ft below TOC.
- The DTW was measured at 40.5 ft below TOC at the beginning of the survey.
- The diameter of the casing at the surface was measured to be four inches, and the BOC was located at approximately 31.6 ft below TOC.
- The caliper log does not indicate any irregularities in borehole diameter.
- Planar features were recognizable on the televiewer log. The depth, strike, dip, aperture, and feature type are listed on the log – as well as on the accompanying table in **Appendix B**.

MW12-27

NOTABLE FEATURES

- The TD of the well was logged at approximately 33.1 ft below TOC.
- The DTW was measured at 4.8 ft below TOC at the beginning of the survey.
- The diameter of the casing at the surface was measured to be four inches, and the BOC was located at approximately 12.5 ft below TOC.
- The caliper log indicates a minor borehole enlargement between 13.6 and 14.8 ft below TOC.
- The natural gamma log indicates a relative increase in response from 12.2 to 14.4 ft below TOC.
- Planar features were recognizable on the televiewer log. The depth, strike, dip, aperture, and feature type are listed on the log – as well as on the accompanying table in **Appendix B**.

MW12-28

NOTABLE FEATURES

- The TD of the well was logged at approximately 30.6 ft BGS.
- The DTW was measured at 4.8 ft BGS at the beginning of the survey.
- The diameter of the casing at the surface was measured to be four inches, and the BOC was located at approximately 7.9 BGS.
- The caliper log indicates an irregularity at 13.5 ft BGS.
- The natural gamma log indicates a relative increase in response at 13.5 ft BGS.
- Planar features were recognizable on the televiewer log. The depth, strike, dip, aperture, and feature type are listed on the log – as well as on the accompanying table in **Appendix B**.

LIMITATIONS

The survey described above was completed using standard and/or routinely accepted practices of the geophysical industry, and the equipment employed represents, in RETTEW's professional opinion, the best available technology. RETTEW does not accept responsibility for survey limitations due to inherent technological limitations or unforeseen site-specific conditions. We will notify you of such limitations or conditions, when they are identifiable.

We have enjoyed and appreciated this opportunity to have worked with you. If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

Robert J. Krause
Senior Geophysicist

Technical Review By:

Felicia Kegel Bechtel, MSc, PG
Director of Geophysics

Enclosures
MW12-02, -04, -07, -11, -12, -21, -22, -23, -24, -25, -26, -27, and -28 Geophysical Well Logs
Table 1: Planar Feature Characterizations
Appendix A: Planar Feature Orientation Parameters
Appendix B: Planar Feature Characterization Tables

Z:\Shared\Projects\02075\020752001 - OBG Borehole Logging Watertown, NY\GP\Report\2019-05-09 OBG Borehole Logging Watertown, NY Report.docx

ENCLOSURES

GEOPHYSICAL WELL LOGS

MW12-02, -04, -07, -11, -12, -21, -22, -23, -24, -25, -26, -27, and -28

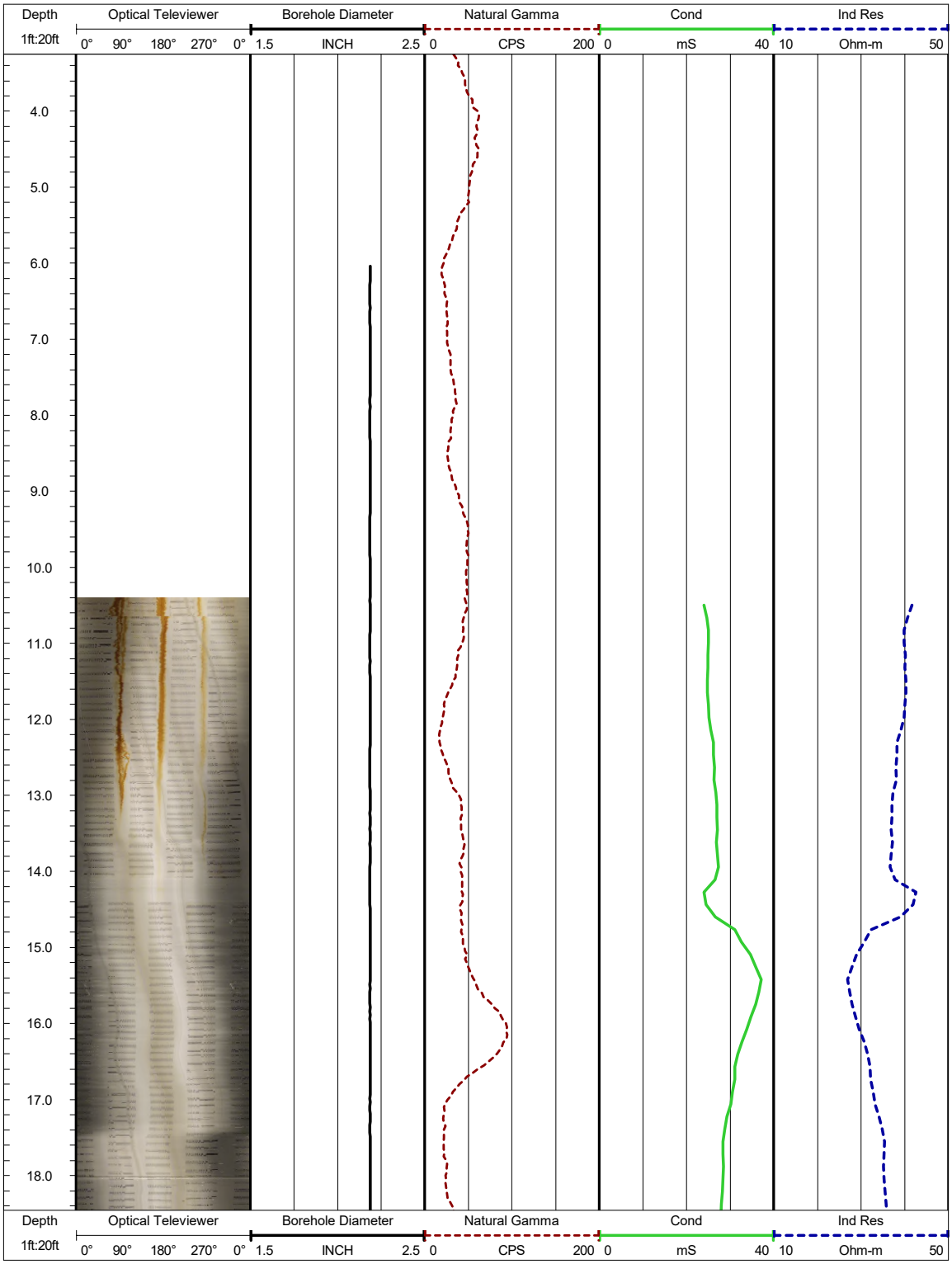
RETTEW-Enviroscan

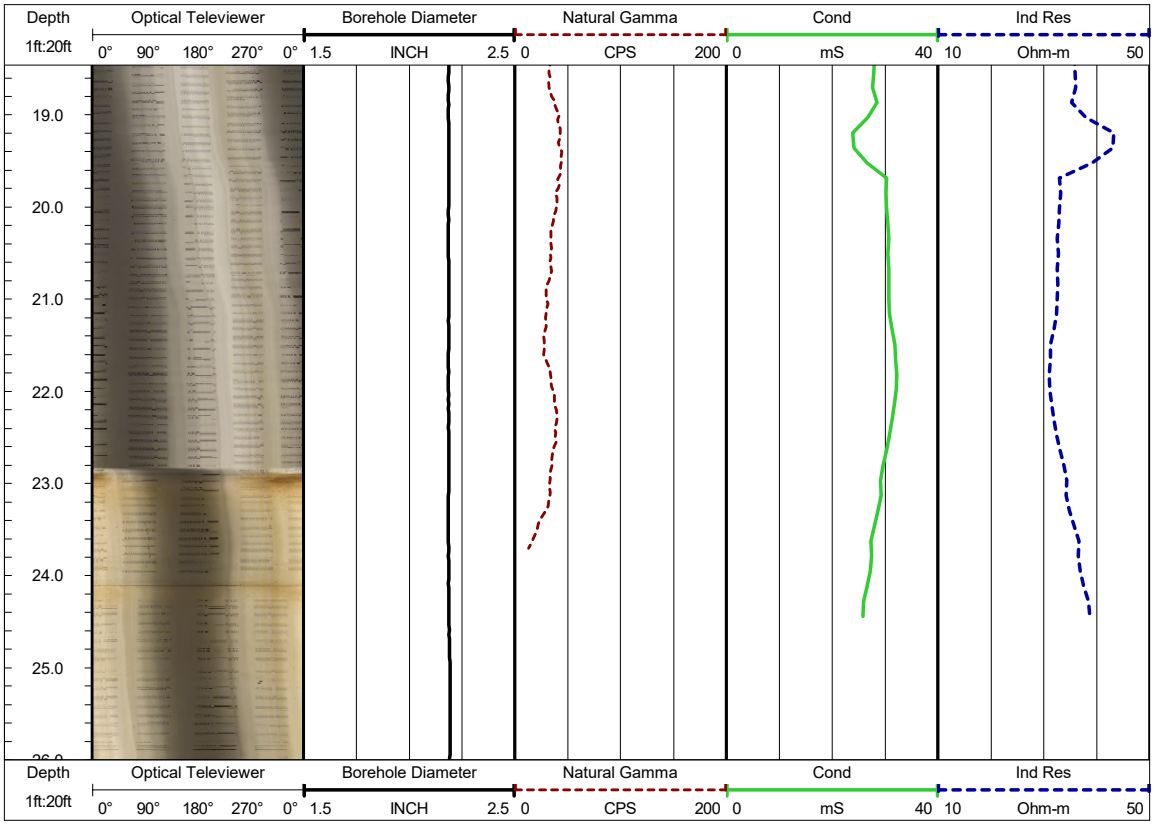
Title: *Geophysical Logging Program*

WELL ID *MW12-02*

Logging Date: *04/24/2019*
Logging Datum: *Ground Surface*
BOC: *2" PVC* **DTW:** *22.8* **TD:** *26.0*

Site Name: *Former Bomax Manufacturing Site*
Location: *Watertown, NY*
Client: *OBG*
Project No.: *020752001*
Revision Date: *05/06/2019*




Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Borehole Diameter
1.5 INCH 2.5
Natural Gamma
0 CPS 200
Cond
0 mS 40
Ind Res
10 Ohm-m 50
19.0
20.0
21.0
22.0
23.0
24.0
25.0
Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Borehole Diameter
1.5 INCH 2.5
Natural Gamma
0 CPS 200
Cond
0 mS 40
Ind Res
10 Ohm-m 50

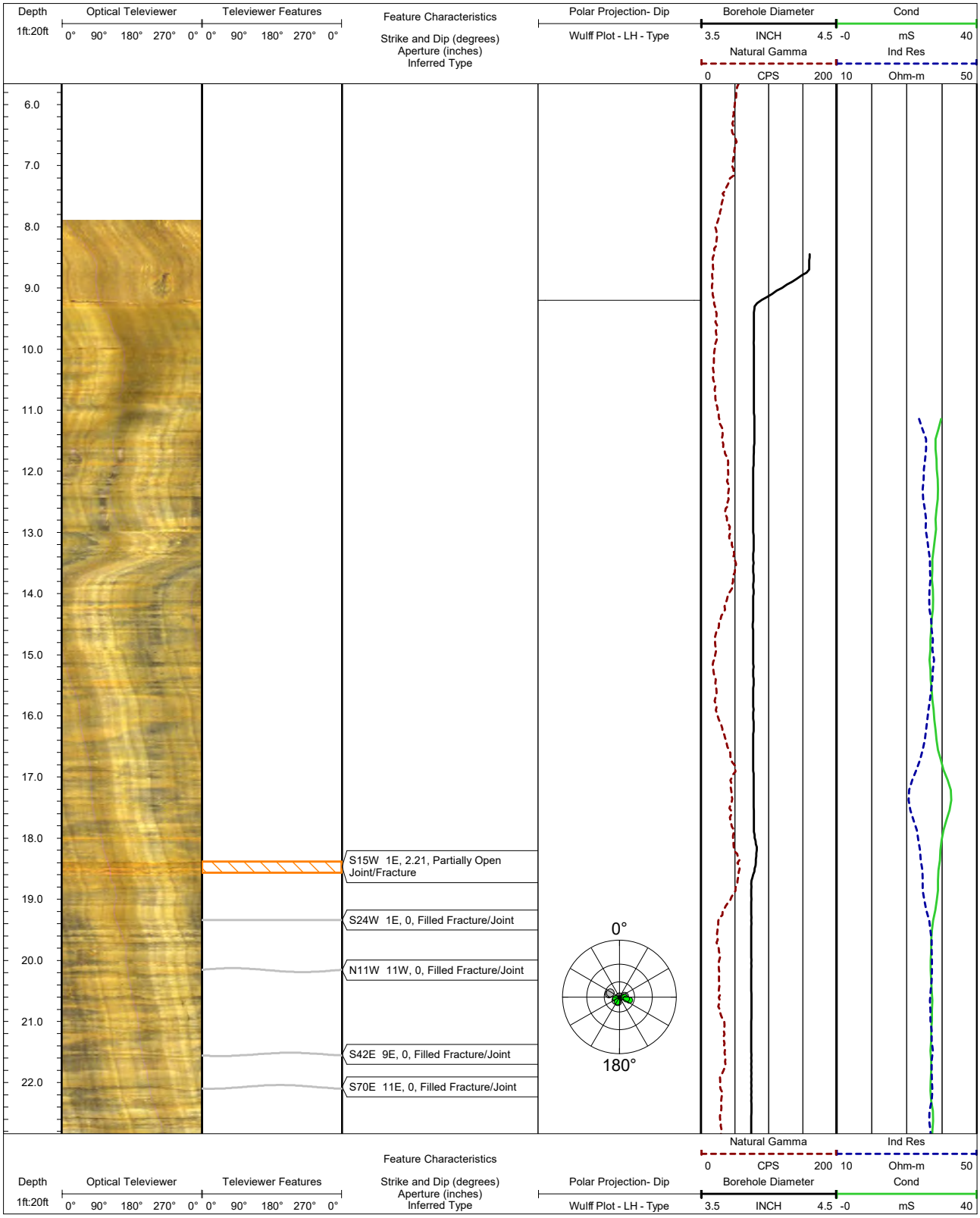
RETTEW-Enviroscan

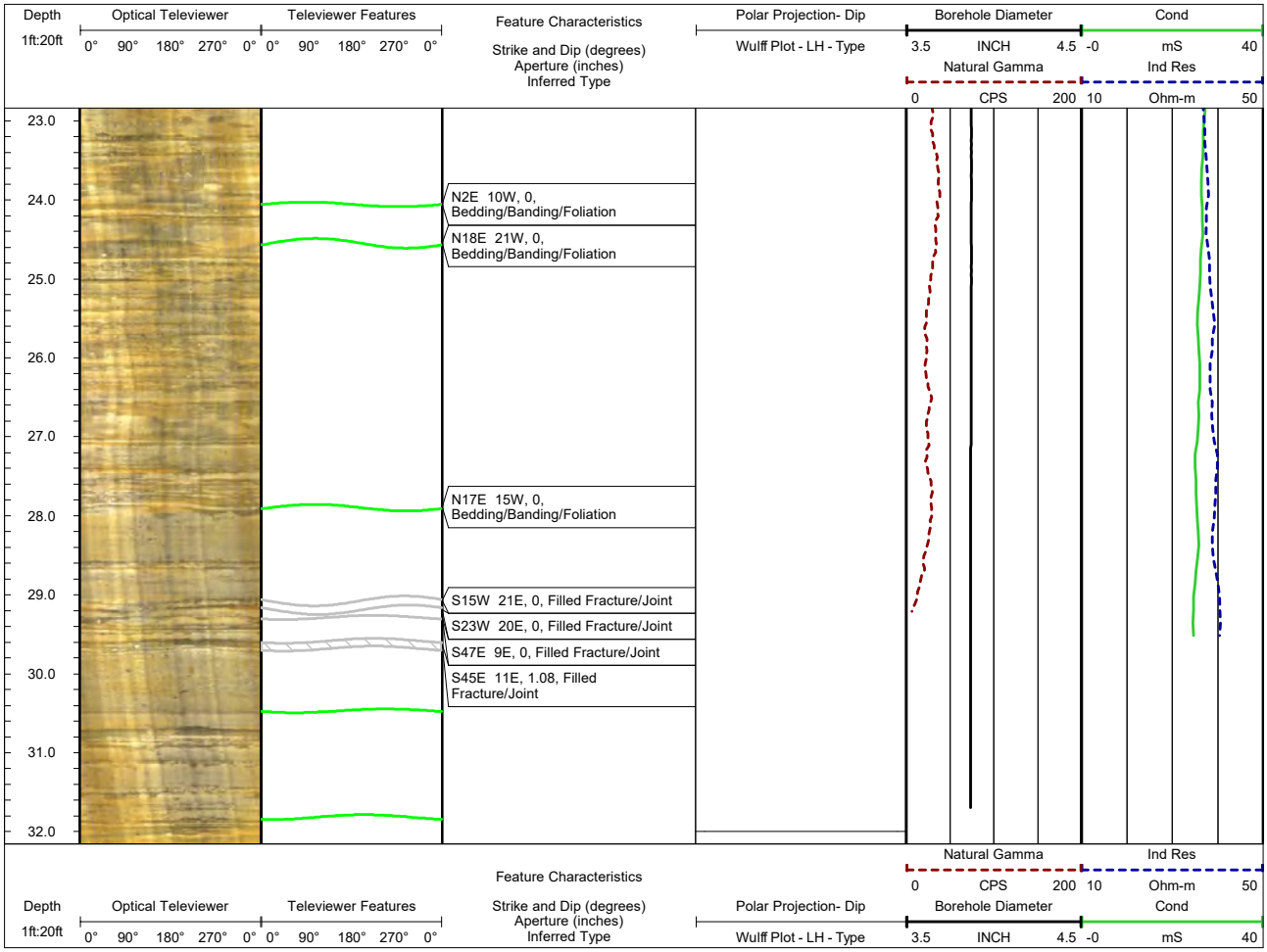
Title: *Geophysical Logging Program*

WELL ID *MW12-04*

Logging Date: *04/24/2019*
Logging Datum: *Top of 4" Casing*
BOC: *9.2* **DTW:** *3.9* **TD:** *32.1*

Site Name: *Former Bomax Manufacturing Site*
Location: *Watertown, NY*
Client: *OBG*
Project No.: *020752001*
Revision Date: *05/06/2019*




Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40
Natural Gamma
0 CPS 200
Ind Res
10 Ohm-m 50
23.0
24.0
25.0
26.0
27.0
28.0
29.0
30.0
31.0
32.0
N2E 10W, 0,
Bedding/Banding/Foliation
N18E 21W, 0,
Bedding/Banding/Foliation
N17E 15W, 0,
Bedding/Banding/Foliation
S15W 21E, 0, Filled Fracture/Joint
S23W 20E, 0, Filled Fracture/Joint
S47E 9E, 0, Filled Fracture/Joint
S45E 11E, 1.08, Filled
Fracture/Joint
Natural Gamma
0 CPS 200
Ind Res
10 Ohm-m 50
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40

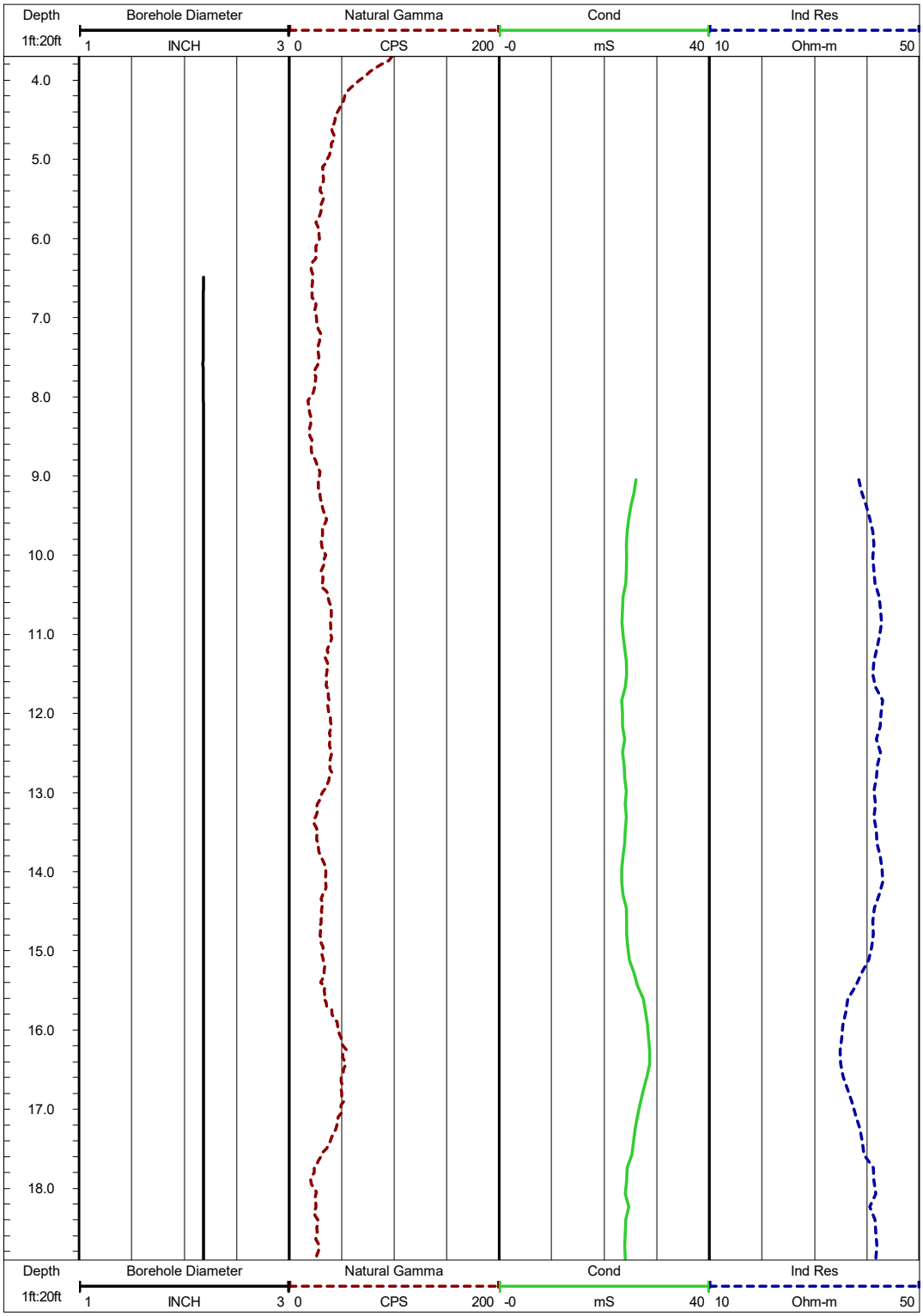
RETTEW-Enviroscan

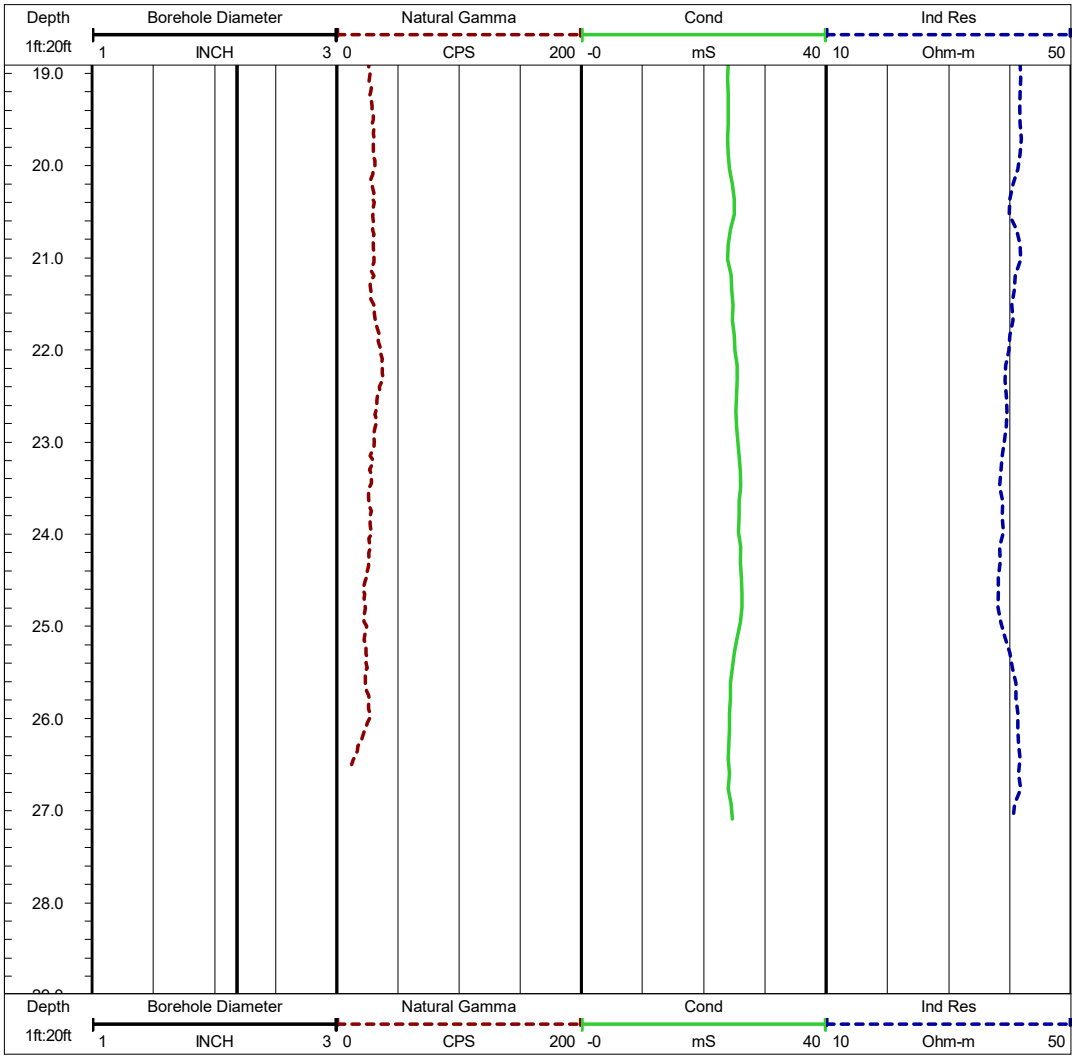
Title: *Geophysical Logging Program*

WELL ID *MW12-07*

Logging Date: *04/24/2019*
Logging Datum: *Ground Surface*
BOC: *2" PVC* **DTW:** *24.4* **TD:** *29.7*

Site Name: *Former Bomax Manufacturing Site*
Location: *Watertown, NY*
Client: *OBG*
Project No.: *020752001*
Revision Date: *05/06/2019*




Depth
1ft:20ft
Borehole Diameter
1
INCH
3
Natural Gamma
0
CPS
200
Cond
-0
mS
40
Ind Res
10
Ohm-m
50
19.0
20.0
21.0
22.0
23.0
24.0
25.0
26.0
27.0
28.0
Depth
1ft:20ft
Borehole Diameter
1
INCH
3
Natural Gamma
0
CPS
200
Cond
-0
mS
40
Ind Res
10
Ohm-m
50

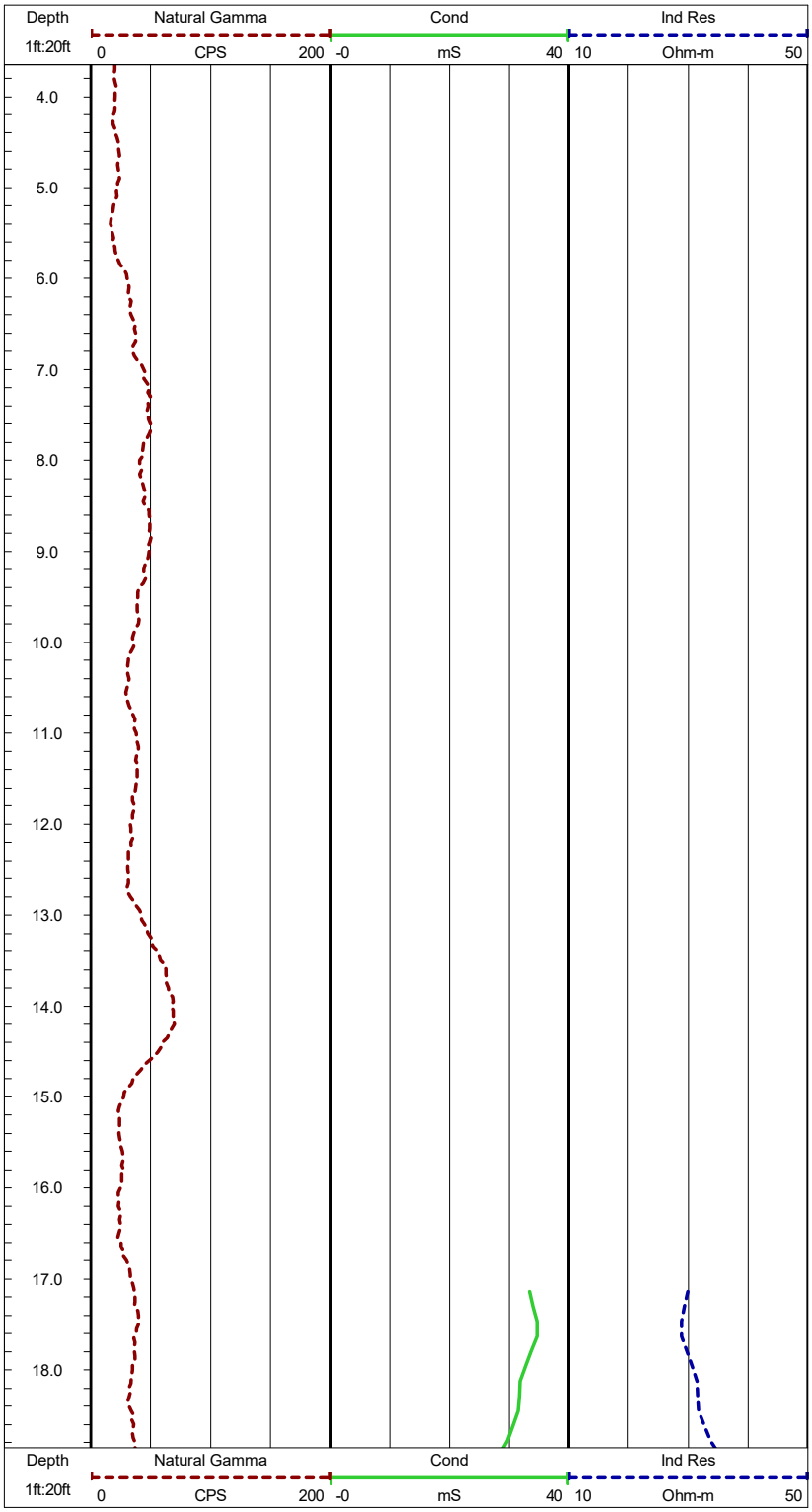
RETTEW-Enviroscan

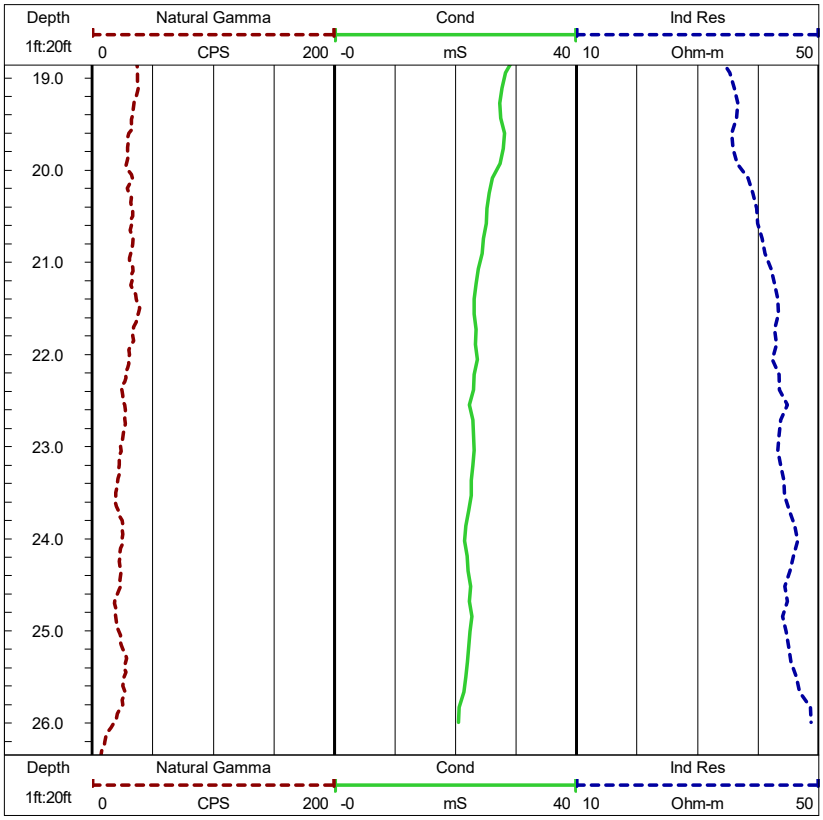
Title: *Geophysical Logging Program*

WELL ID *MW12-11*

Logging Date: *04/24/2019*
Logging Datum: *Ground Surface*
BOC: *2" PVC* **DTW:** *14.4* **TD:** *29.4*

Site Name: *Former Bomax Manufacturing Site*
Location: *Watertown, NY*
Client: *OBG*
Project No.: *020752001*
Revision Date: *05/06/2019*




Depth
1ft:20ft
Natural Gamma
0
CPS
200
Cond
-0
mS
40
Ind Res
10
Ohm-m
50
19.0
20.0
21.0
22.0
23.0
24.0
25.0
26.0
Depth
1ft:20ft
Natural Gamma
0
CPS
200
Cond
-0
mS
40
Ind Res
10
Ohm-m
50

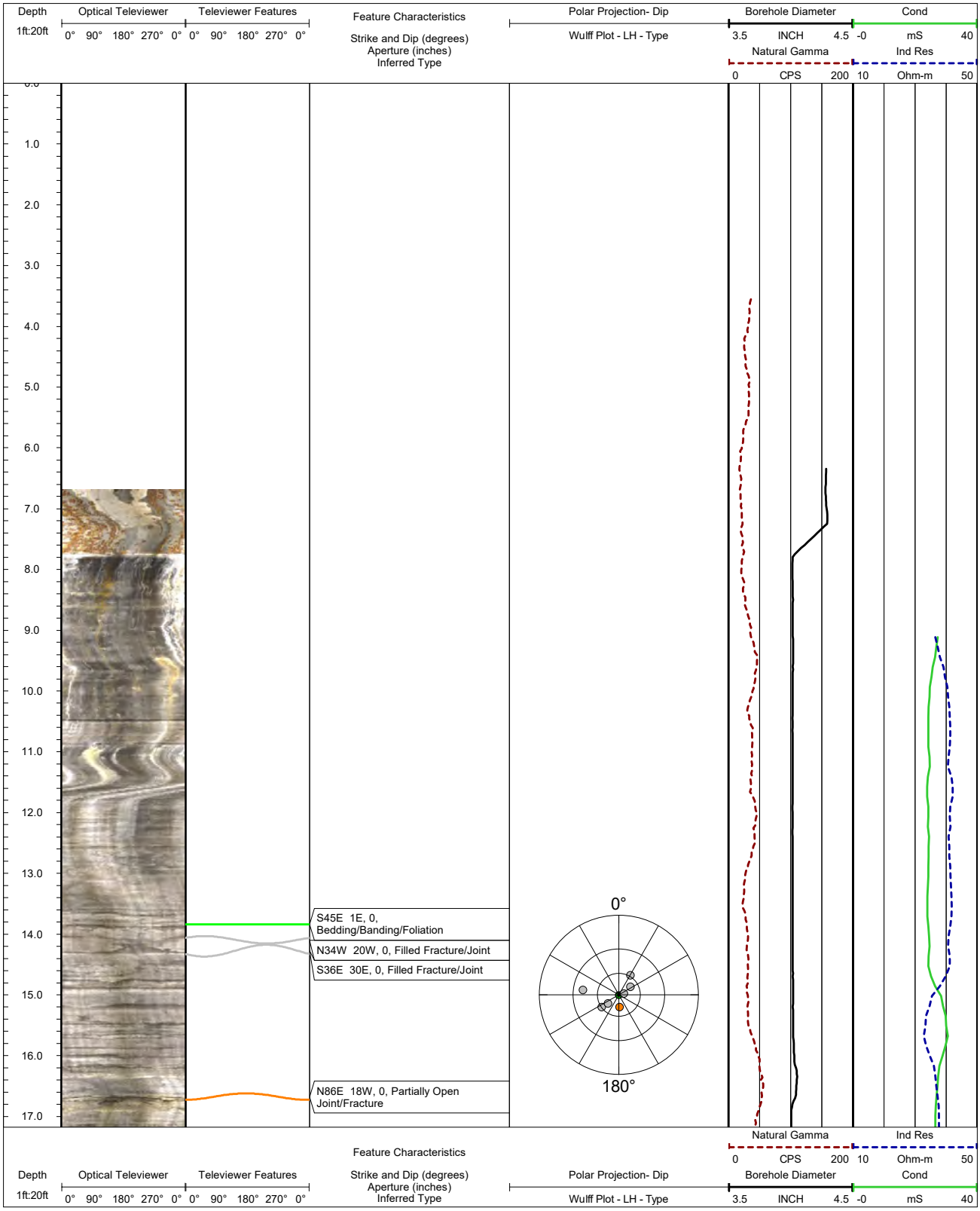
RETTEW-Enviroscan

Title: *Geophysical Logging Program*

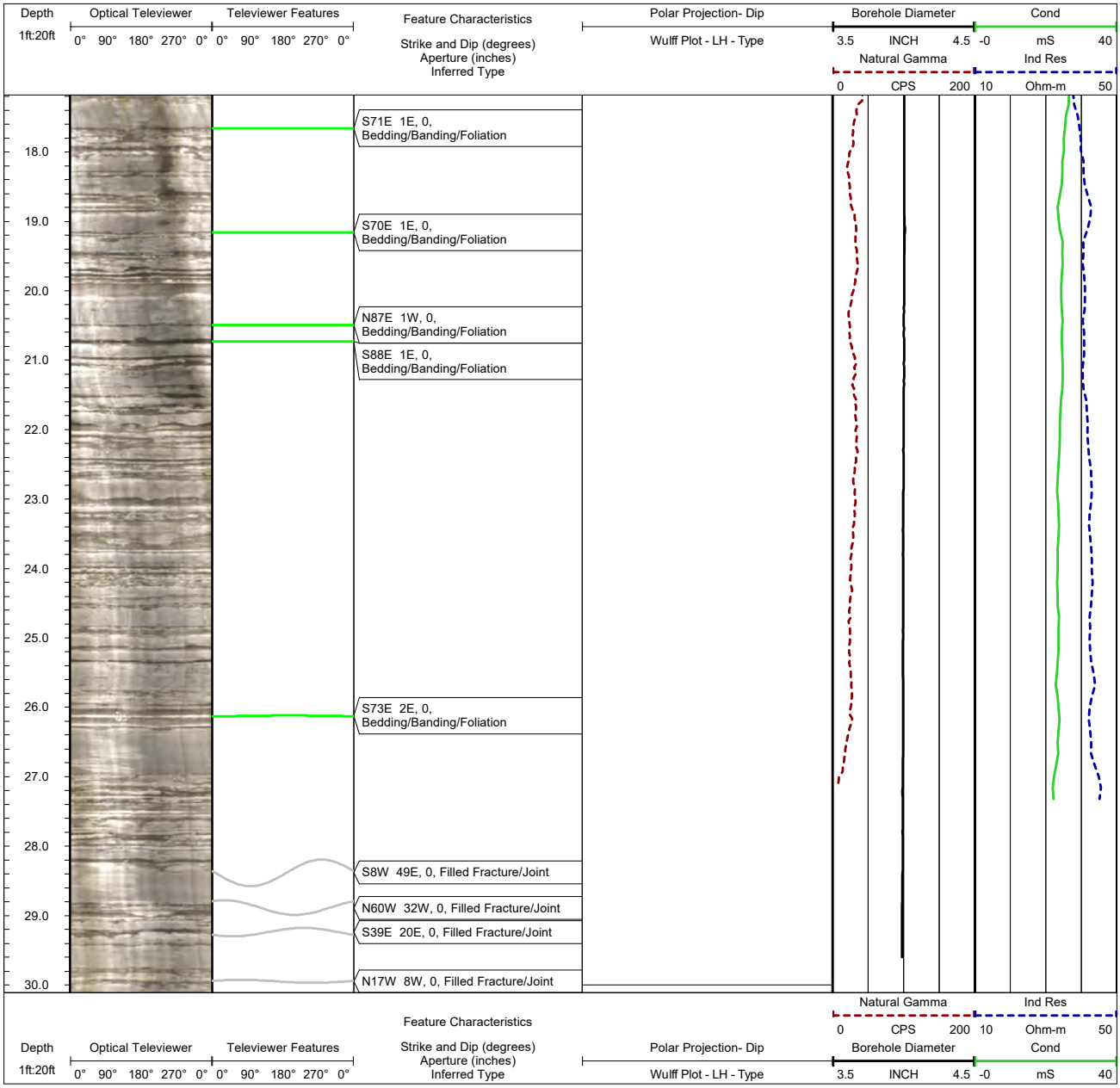
WELL ID *MW12-12*

Logging Date: *04/25/2019*
Logging Datum: *Ground Surface*
BOC: *7.8* **DTW:** *10.5* **TD:** *30.1*

Site Name: *Former Bomax Manufacturing Site*
Location: *Watertown, NY*
Client: *OBG*
Project No.: *020752001*
Revision Date: *05/06/2019*



Page 1


Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40
Natural Gamma
0 CPS 200
Ind Res
10 Ohm-m 50
18.0
19.0
20.0
21.0
22.0
23.0
24.0
25.0
26.0
27.0
28.0
29.0
30.0
S71E 1E, 0,
Bedding/Banding/Foliation
S70E 1E, 0,
Bedding/Banding/Foliation
N87E 1W, 0,
Bedding/Banding/Foliation
S88E 1E, 0,
Bedding/Banding/Foliation
S73E 2E, 0,
Bedding/Banding/Foliation
S8W 49E, 0, Filled Fracture/Joint
N60W 32W, 0, Filled Fracture/Joint
S39E 20E, 0, Filled Fracture/Joint
N17W 8W, 0, Filled Fracture/Joint

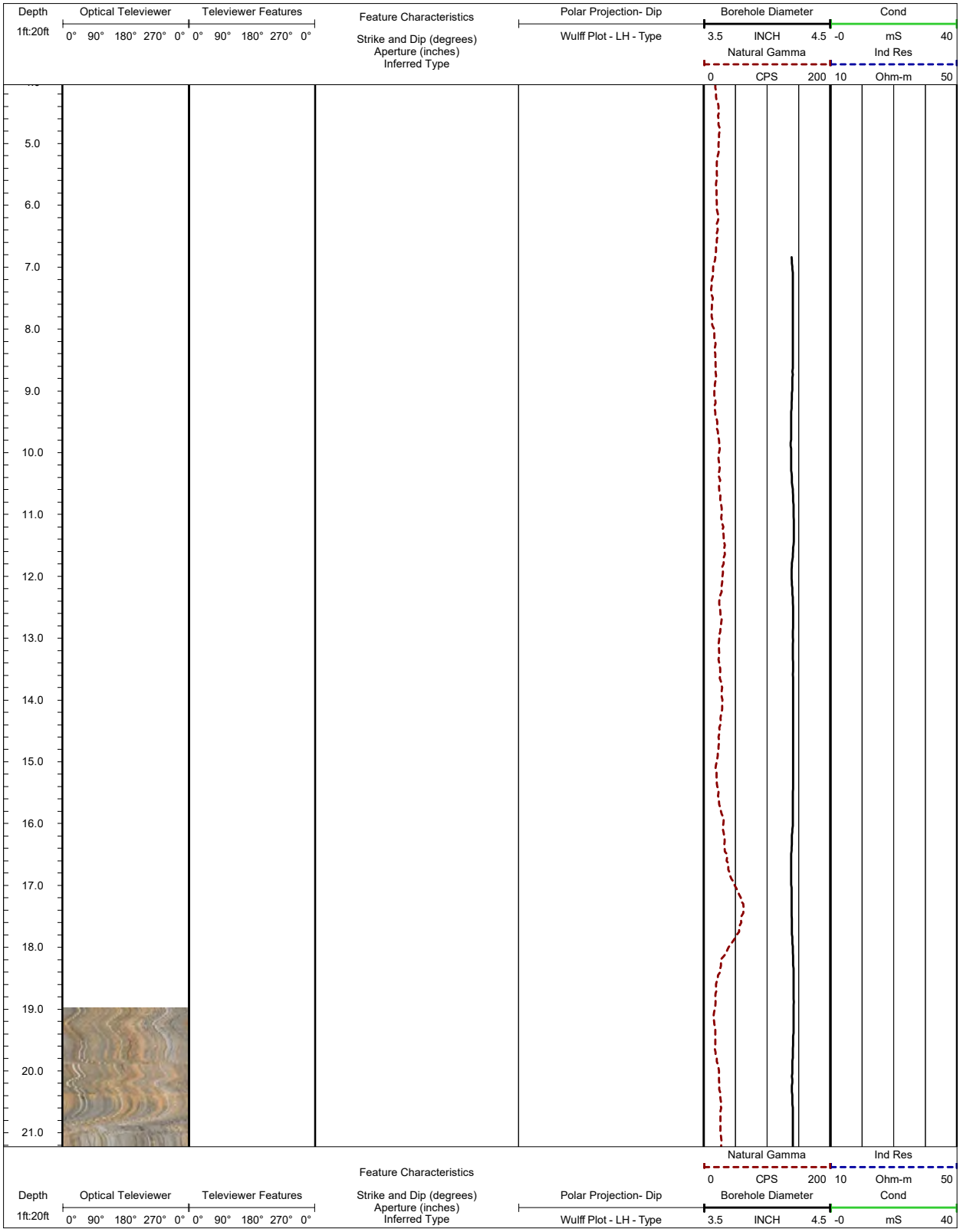
RETTEW-Enviroscan

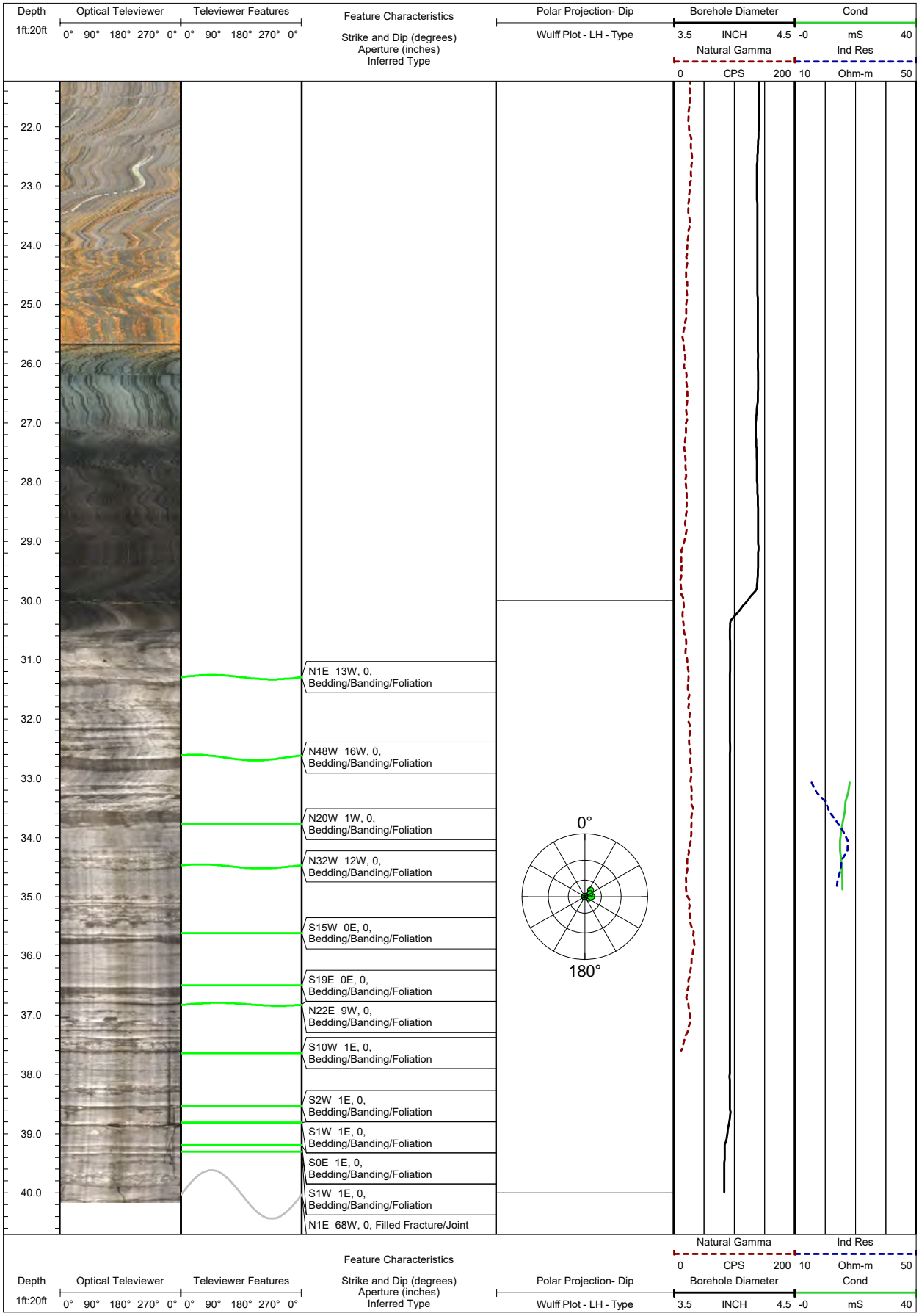
Title: *Geophysical Logging Program*

WELL ID *MW12-21*

Logging Date: *04/22/2019*
Logging Datum: *Ground Surface*
BOC: *30.0* **DTW:** *25.7* **TD:** *40.5*

Site Name: *Former Bomax Manufacturing Site*
Location: *Watertown, NY*
Client: *OBG*
Project No.: *020752001*
Revision Date: *05/06/2019*




Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40
Natural Gamma
0 CPS 200
Ind Res
10 Ohm-m 50
22.0
23.0
24.0
25.0
26.0
27.0
28.0
29.0
30.0
31.0
32.0
33.0
34.0
35.0
36.0
37.0
38.0
39.0
40.0
N1E 13W, 0,
Bedding/Banding/Foliation
N48W 16W, 0,
Bedding/Banding/Foliation
N20W 1W, 0,
Bedding/Banding/Foliation
N32W 12W, 0,
Bedding/Banding/Foliation
S15W 0E, 0,
Bedding/Banding/Foliation
S19E 0E, 0,
Bedding/Banding/Foliation
N22E 9W, 0,
Bedding/Banding/Foliation
S10W 1E, 0,
Bedding/Banding/Foliation
S2W 1E, 0,
Bedding/Banding/Foliation
S1W 1E, 0,
Bedding/Banding/Foliation
S0E 1E, 0,
Bedding/Banding/Foliation
S1W 1E, 0,
Bedding/Banding/Foliation
N1E 68W, 0, Filled Fracture/Joint
0°
180°

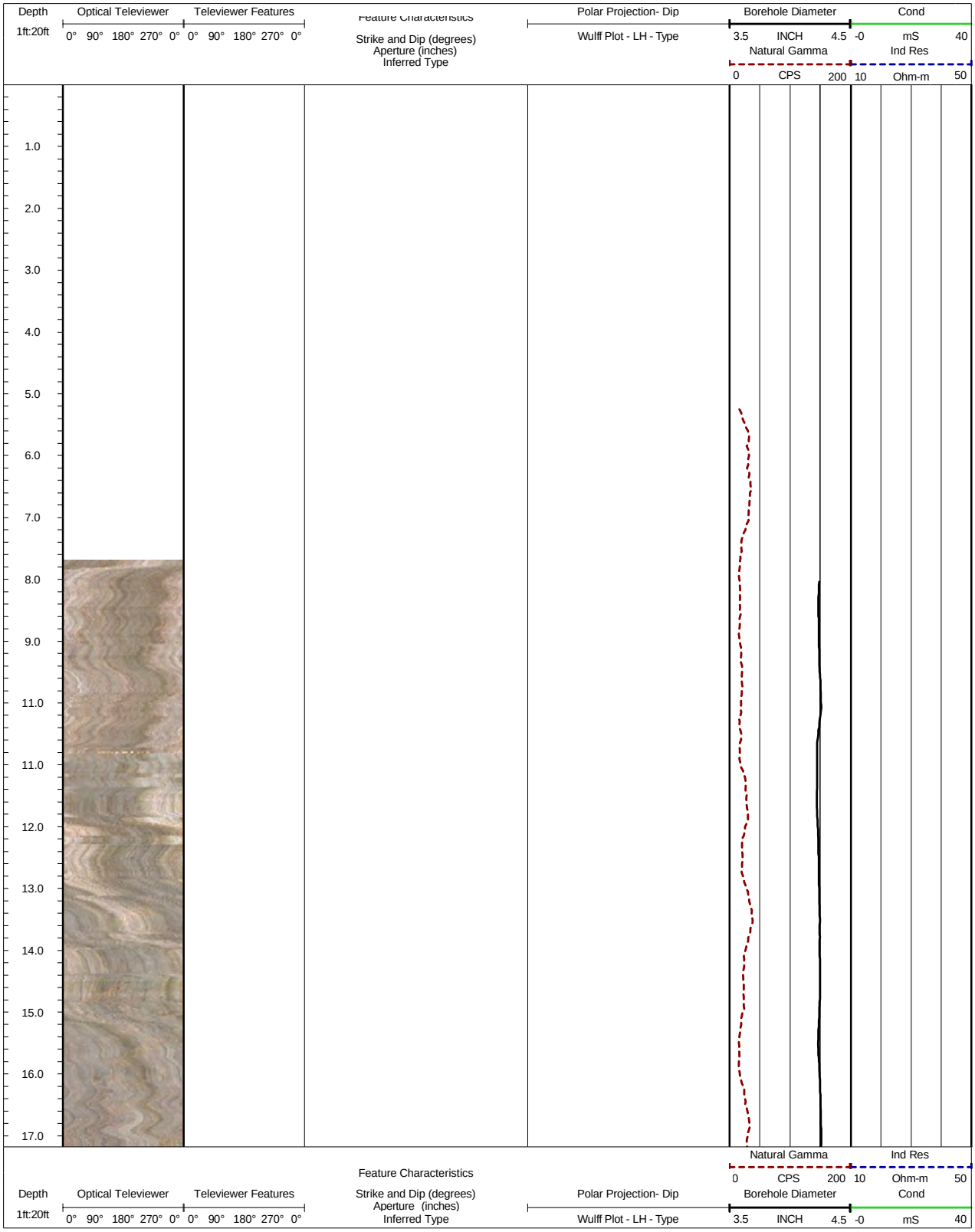
RETTEW-Enviroscan

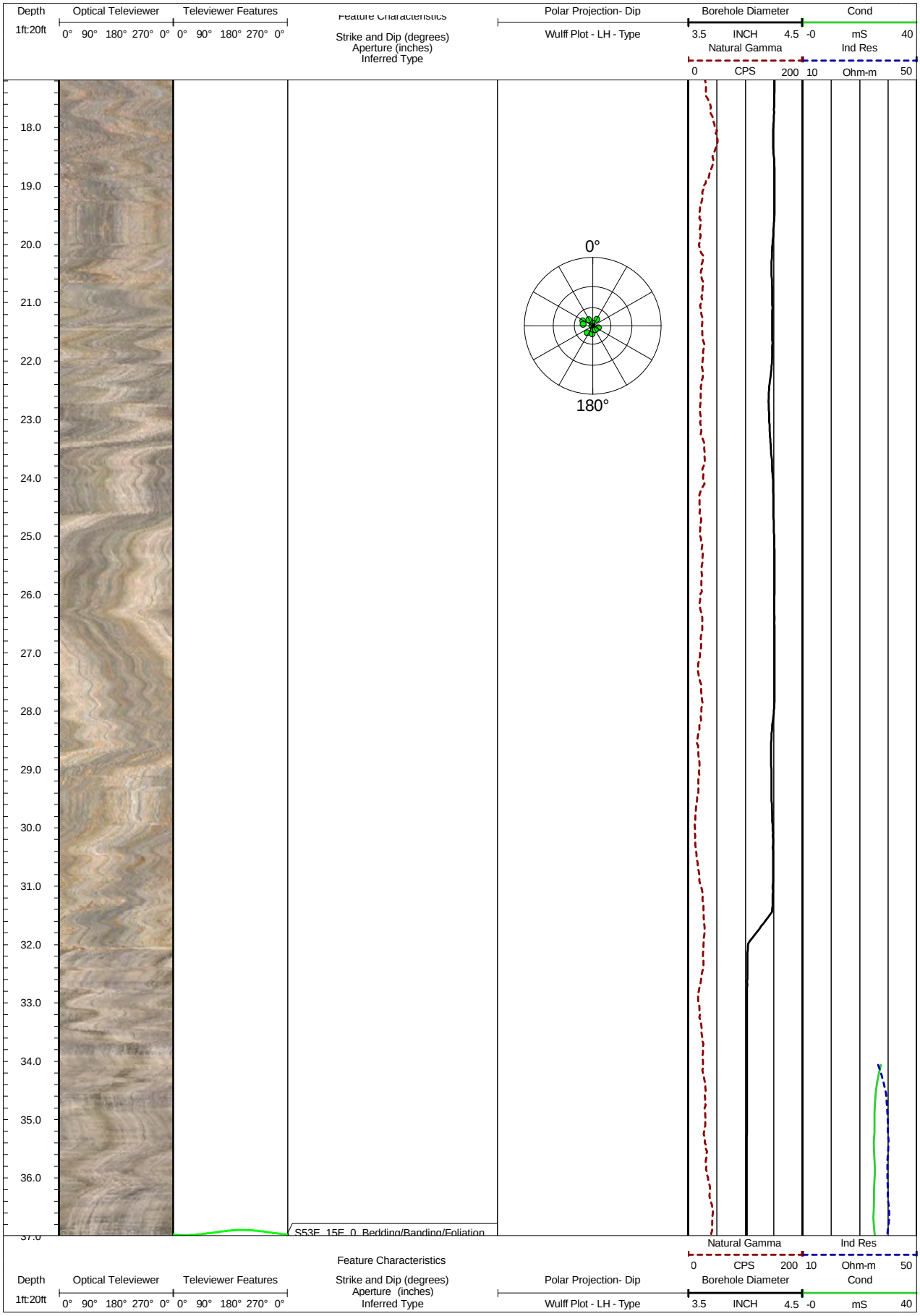
Title: *Geophysical Logging Program*

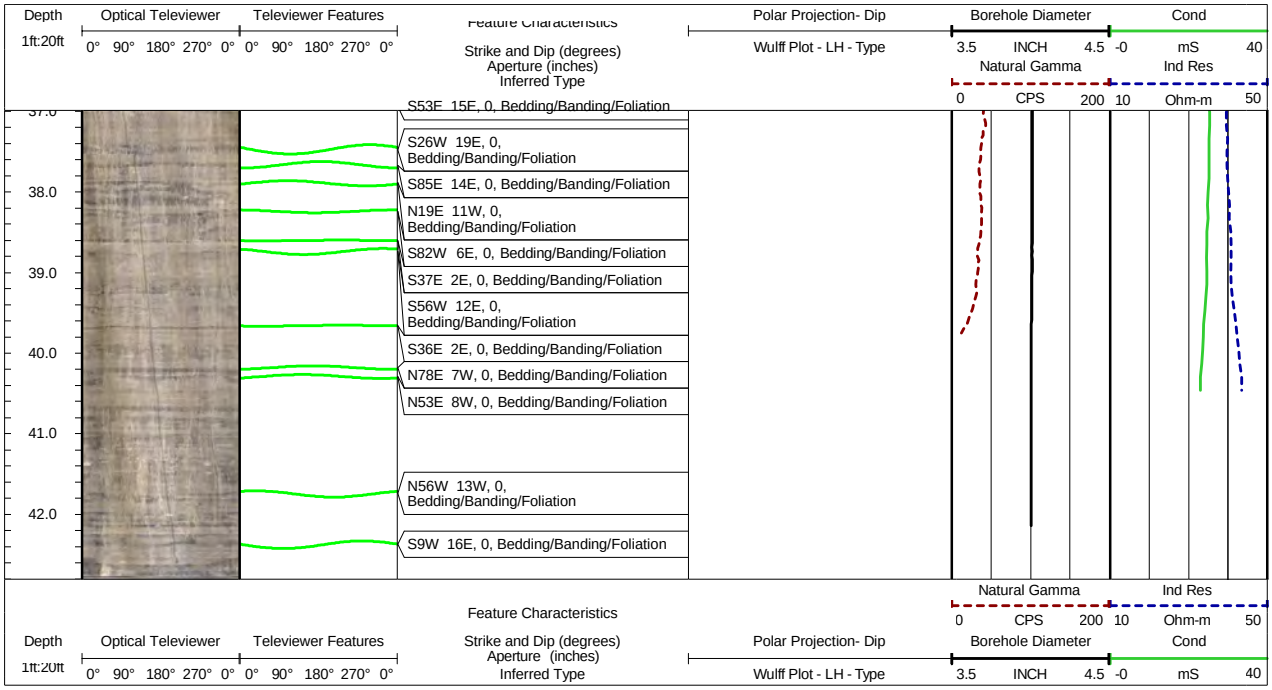
WELL ID *MW12-22*

Logging Date: *04/24/2019*
Logging Datum: *Top of 4" Casing*
BOC: *32.0* **DTW:** *42.7* **TD:** *42.8*

Site Name: *Former Bomax Manufacturing Site*
Location: *Watertown, NY*
Client: *OBG*
Project No.: *020752001*
Revision Date: *05/06/2019*




Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Polar Projection- Dip
Wulff Plot - LH - Type
0°
180°
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40
Natural Gamma
0 CPS 200
Ind Res
10 Ohm-m 50
18.0
19.0
20.0
21.0
22.0
23.0
24.0
25.0
26.0
27.0
28.0
29.0
30.0
31.0
32.0
33.0
34.0
35.0
36.0
S53E, 15E, 0, Bedding/Banding/Foliation
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Natural Gamma
0 CPS 200
Ind Res
10 Ohm-m 50
Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40


Depth
1ft:20ft
Optical Televiewer
Televiewer Features
0° 90° 180° 270° 0° 0° 90° 180° 270° 0°
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40
Natural Gamma
0 CPS 200
Ind Res
10 Ohm-m 50
S53E 15E, 0, Bedding/Banding/Foliation
S26W 19E, 0, Bedding/Banding/Foliation
S85E 14E, 0, Bedding/Banding/Foliation
N19E 11W, 0, Bedding/Banding/Foliation
S82W 6E, 0, Bedding/Banding/Foliation
S37E 2E, 0, Bedding/Banding/Foliation
S56W 12E, 0, Bedding/Banding/Foliation
S36E 2E, 0, Bedding/Banding/Foliation
N78E 7W, 0, Bedding/Banding/Foliation
N53E 8W, 0, Bedding/Banding/Foliation
N56W 13W, 0, Bedding/Banding/Foliation
S9W 16E, 0, Bedding/Banding/Foliation
38.0
39.0
40.0
41.0
42.0

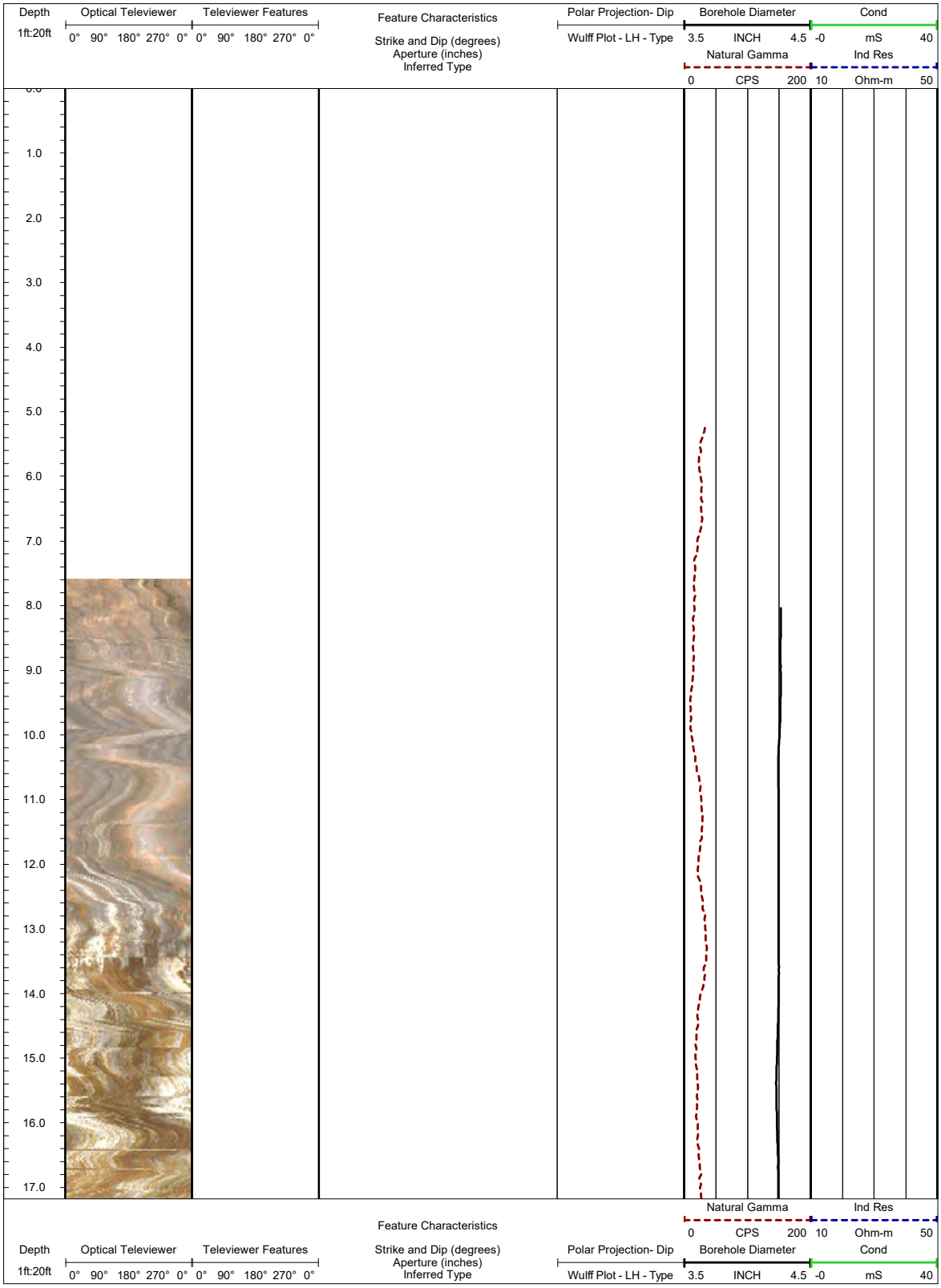
RETTEW-Enviroscan

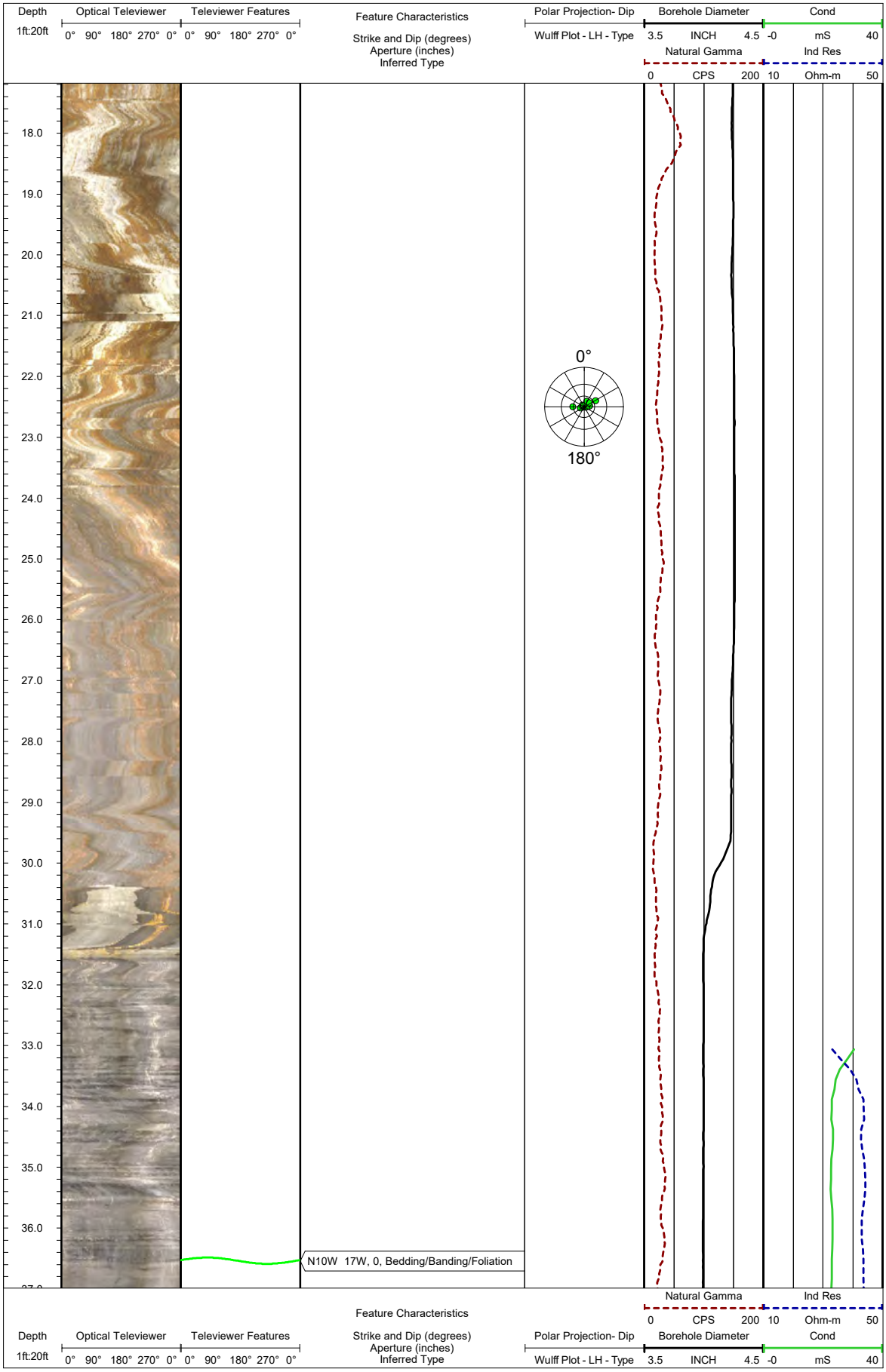
Title: *Geophysical Logging Program*

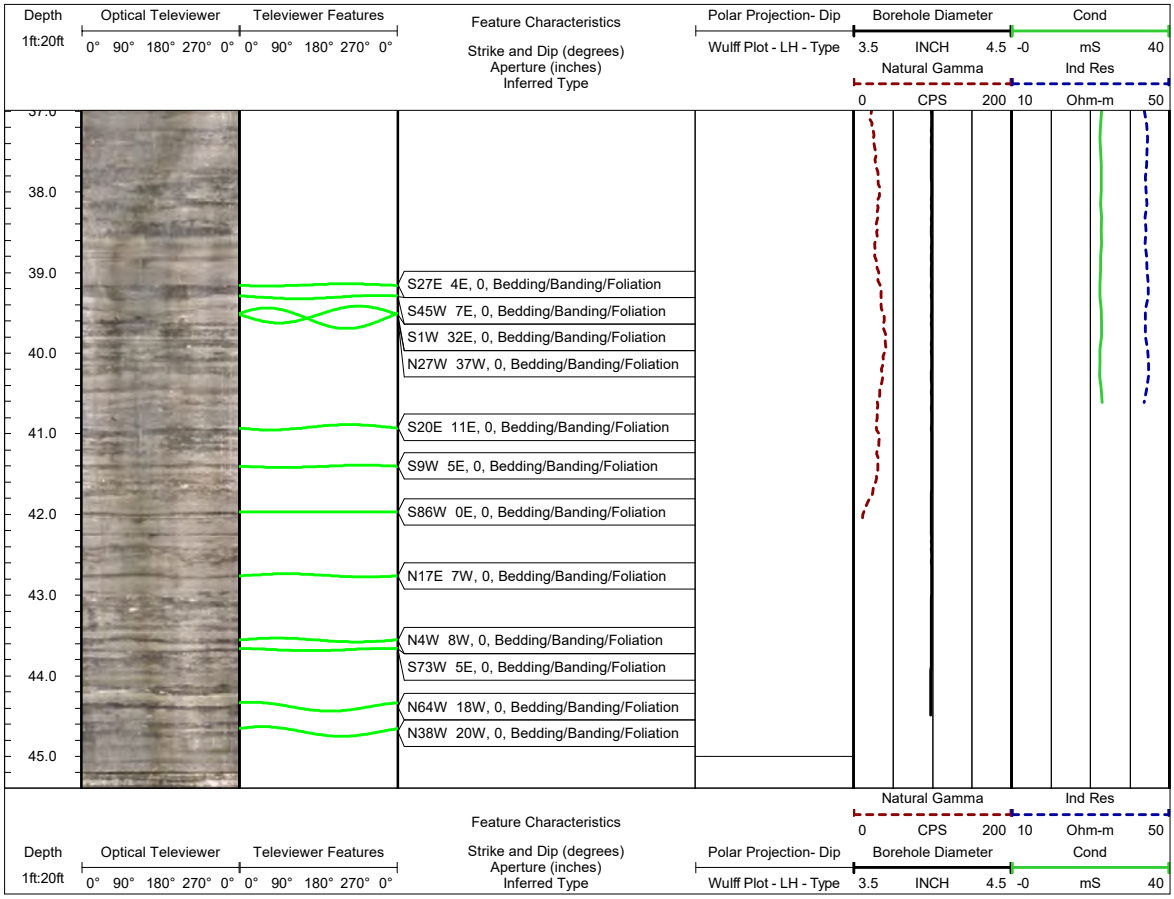
WELL ID *MW12-23*

Logging Date: *04/24/2019*
Logging Datum: *Top of 6" Casing*
BOC: *30.4* **DTW:** *45.2* **TD:** *45.4*

Site Name: *Former Bomax Manufacturing Site*
Location: *Watertown, NY*
Client: *OBG*
Project No.: *020752001*
Revision Date: *05/07/2019*




Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40
Natural Gamma
0 CPS 200
Ind Res
10 Ohm-m 50
18.0
19.0
20.0
21.0
22.0
23.0
24.0
25.0
26.0
27.0
28.0
29.0
30.0
31.0
32.0
33.0
34.0
35.0
36.0
0°
180°
N10W 17W, 0, Bedding/Banding/Foliation


Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40
Natural Gamma
0 CPS 200
Ind Res
10 Ohm-m 50
38.0
39.0
40.0
41.0
42.0
43.0
44.0
45.0
S27E 4E, 0, Bedding/Banding/Foliation
S45W 7E, 0, Bedding/Banding/Foliation
S1W 32E, 0, Bedding/Banding/Foliation
N27W 37W, 0, Bedding/Banding/Foliation
S20E 11E, 0, Bedding/Banding/Foliation
S9W 5E, 0, Bedding/Banding/Foliation
S86W 0E, 0, Bedding/Banding/Foliation
N17E 7W, 0, Bedding/Banding/Foliation
N4W 8W, 0, Bedding/Banding/Foliation
S73W 5E, 0, Bedding/Banding/Foliation
N64W 18W, 0, Bedding/Banding/Foliation
N38W 20W, 0, Bedding/Banding/Foliation

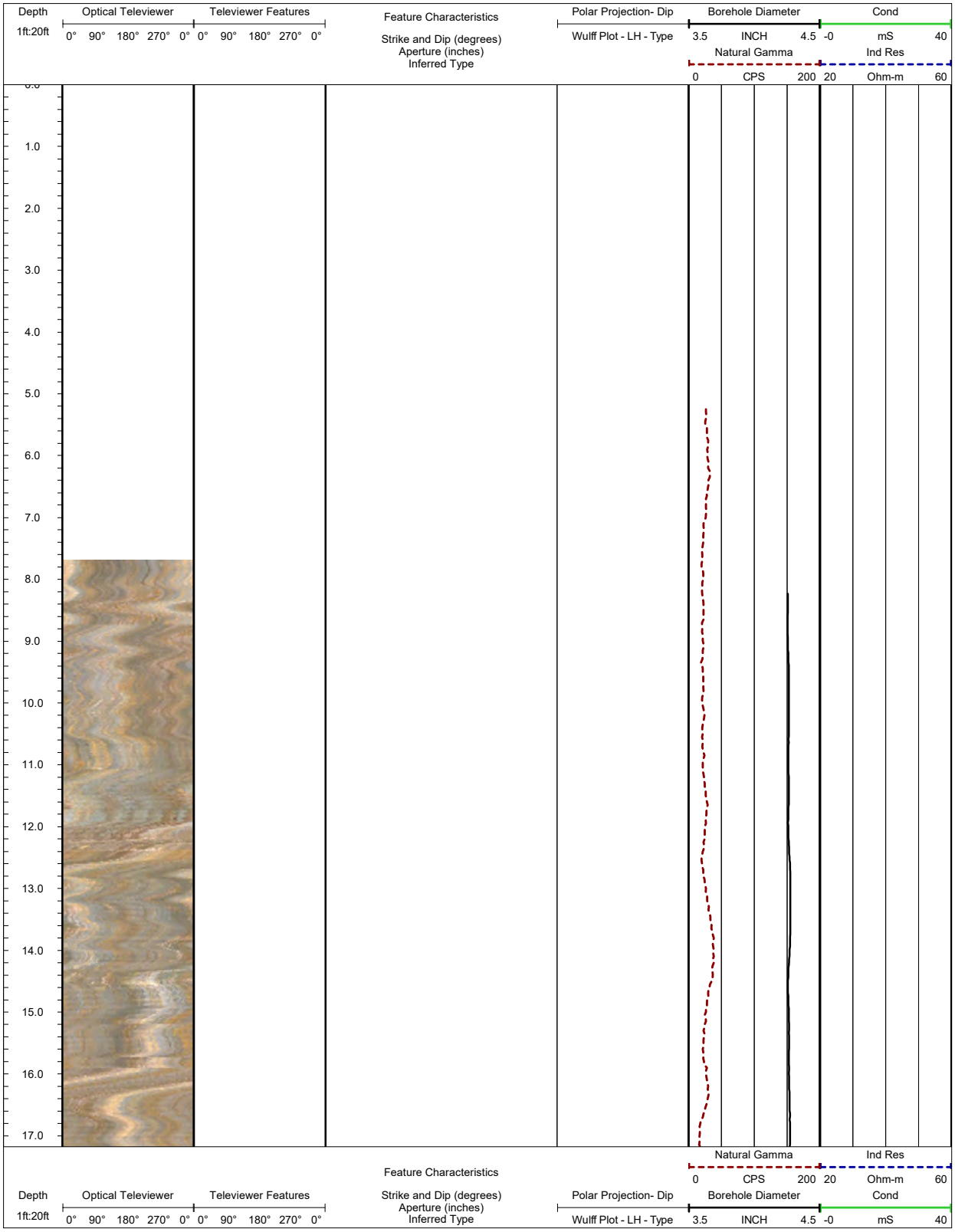
RETTEW-Enviroscan

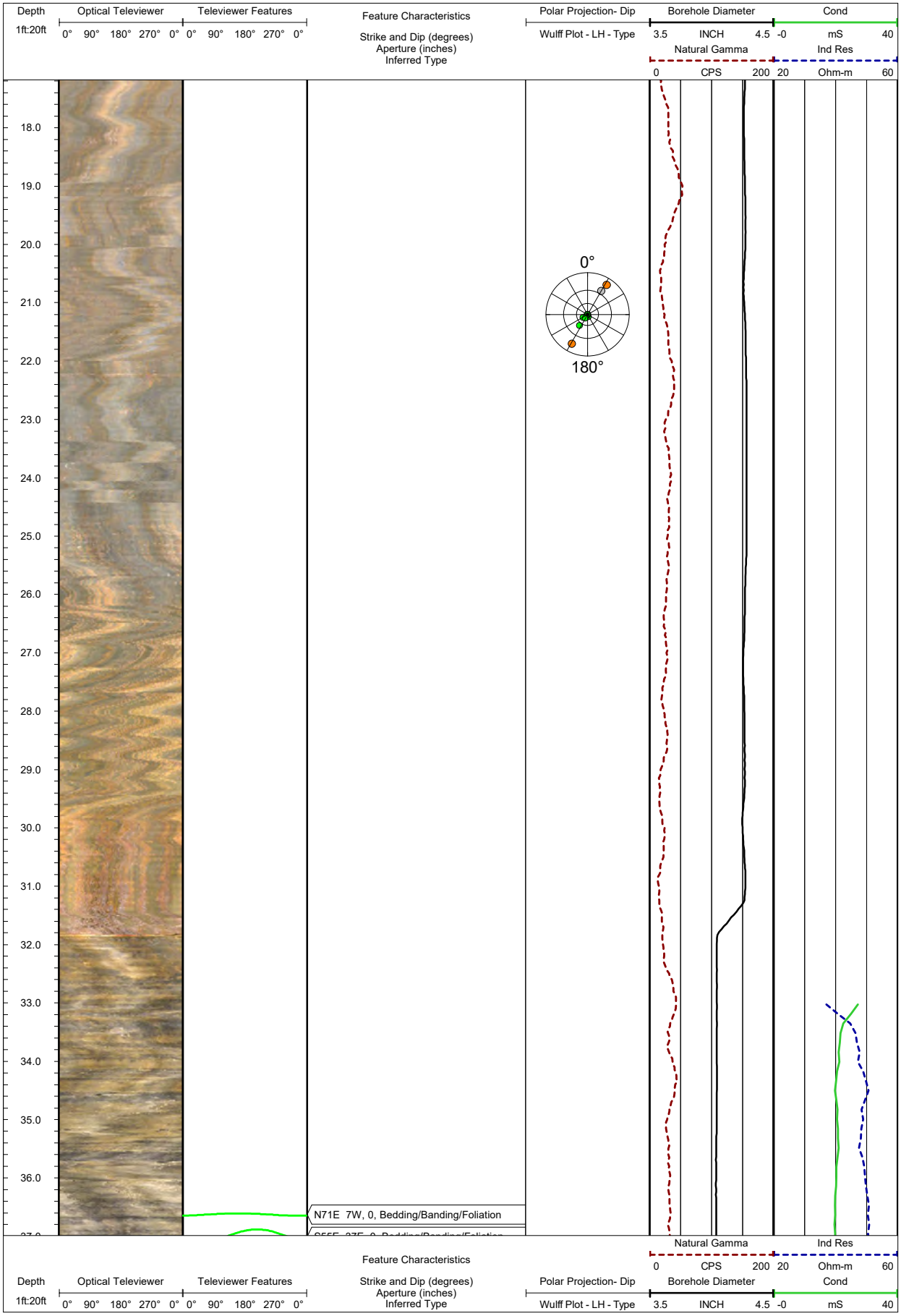
Title: *Geophysical Logging Program*

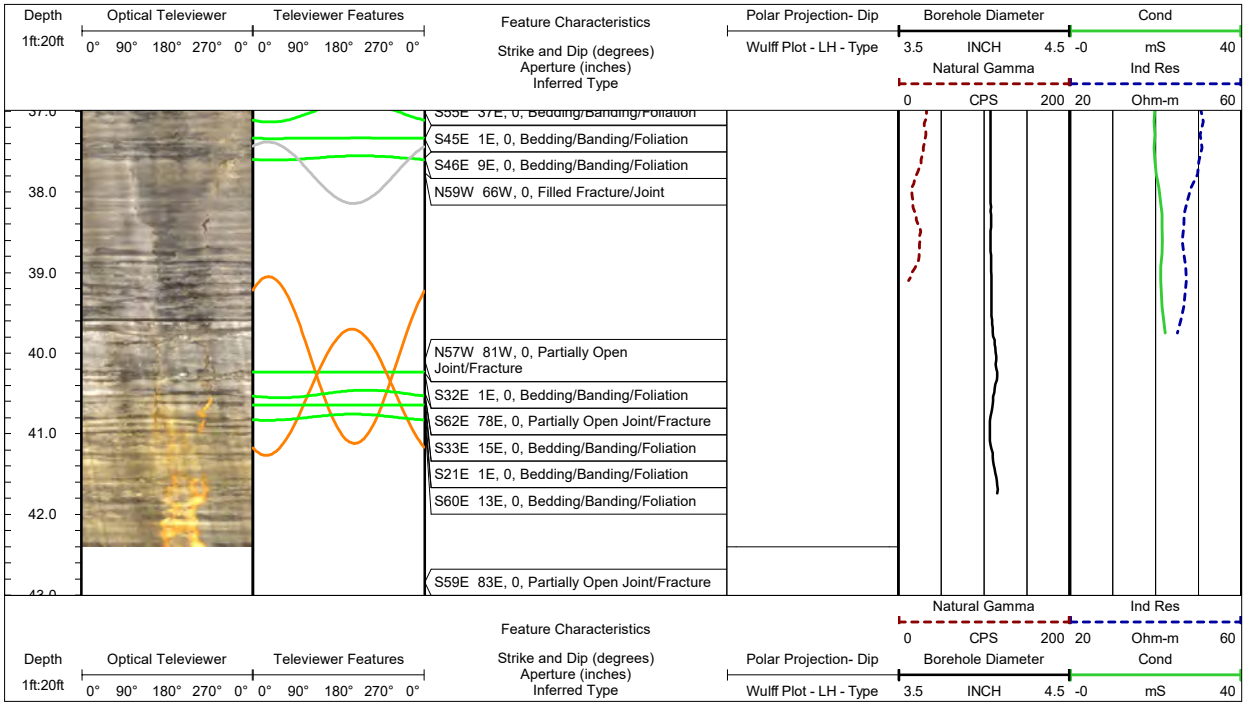
WELL ID *MW12-24*

Logging Date: *04/24/2019*
Logging Datum: *Top of 6" Casing*
BOC: *31.8* **DTW:** *39.6* **TD:** *42.4*

Site Name: *Former Bomax Manufacturing Site*
Location: *Watertown, NY*
Client: *OBG*
Project No.: *020752001*
Revision Date: *05/07/2019*




Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40
Natural Gamma
0 CPS 200
Ind Res
20 Ohm-m 60
18.0
19.0
20.0
21.0
22.0
23.0
24.0
25.0
26.0
27.0
28.0
29.0
30.0
31.0
32.0
33.0
34.0
35.0
36.0
0°
180°
N71E 7W, 0, Bedding/Banding/Foliation


Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40
Natural Gamma
0 CPS 200
Ind Res
20 Ohm-m 60
38.0
39.0
40.0
41.0
42.0
S45E 1E, 0, Bedding/Banding/Foliation
S46E 9E, 0, Bedding/Banding/Foliation
N59W 66W, 0, Filled Fracture/Joint
N57W 81W, 0, Partially Open Joint/Fracture
S32E 1E, 0, Bedding/Banding/Foliation
S62E 78E, 0, Partially Open Joint/Fracture
S33E 15E, 0, Bedding/Banding/Foliation
S21E 1E, 0, Bedding/Banding/Foliation
S60E 13E, 0, Bedding/Banding/Foliation
S59E 83E, 0, Partially Open Joint/Fracture

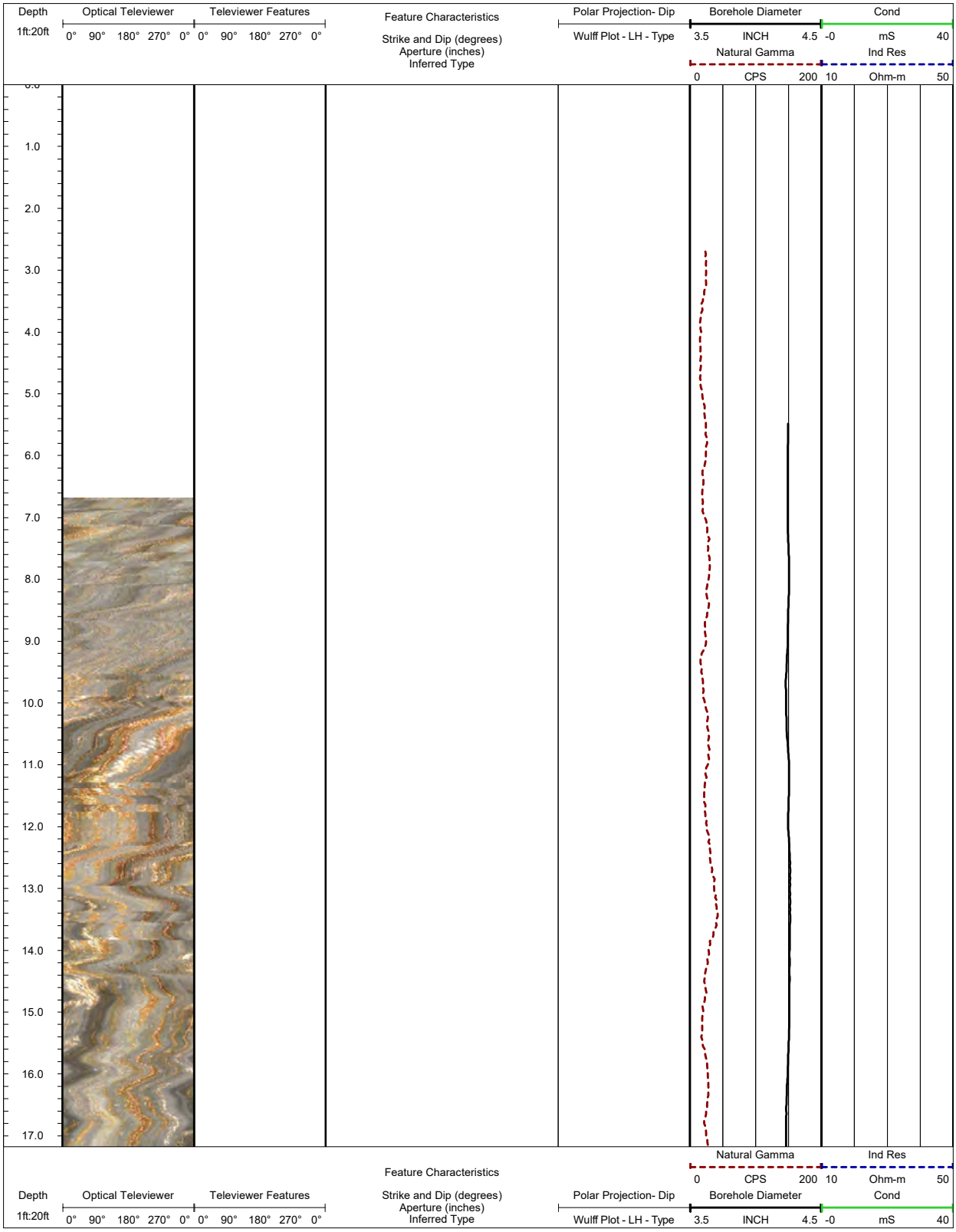
RETTEW-Enviroscan

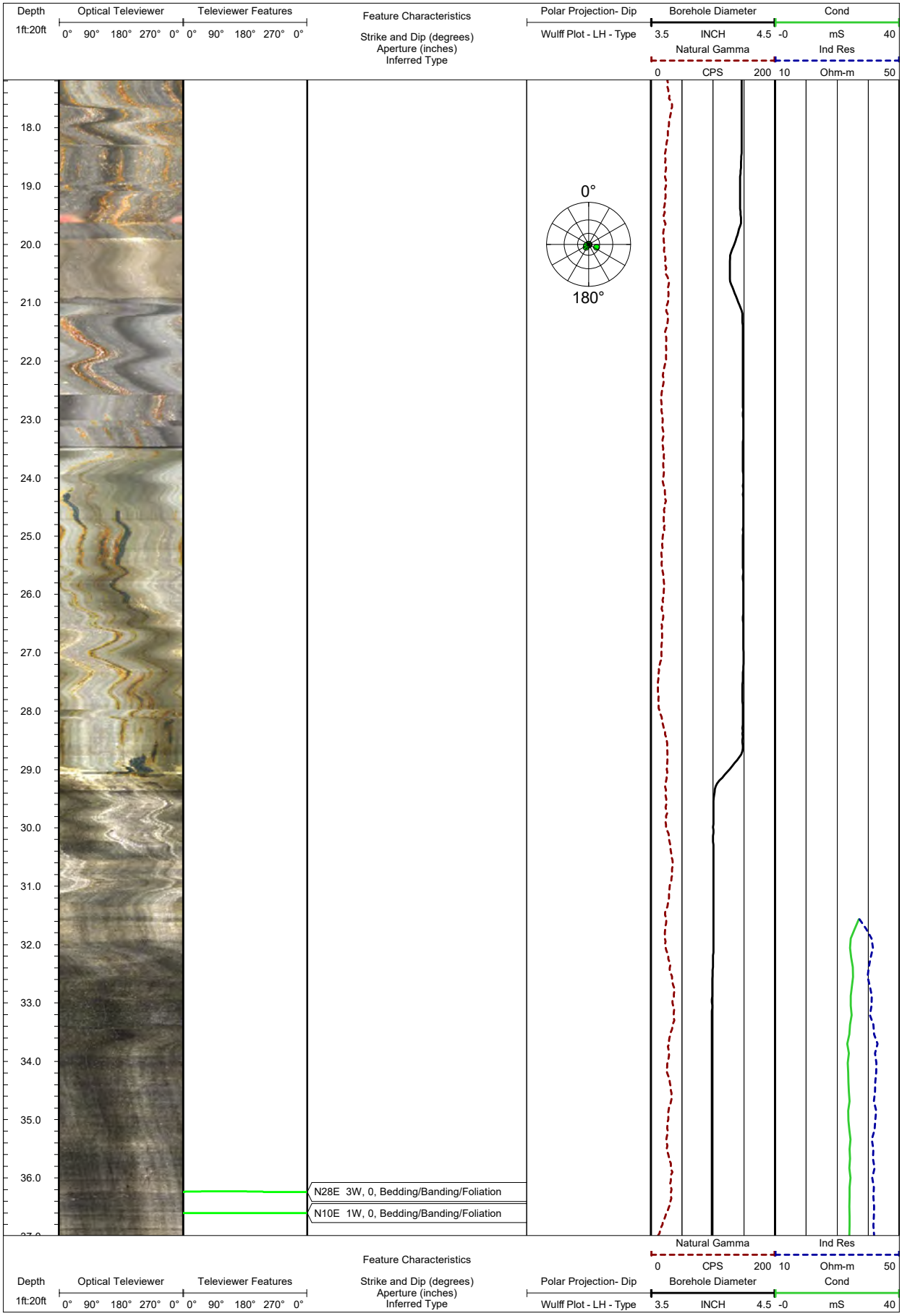
Title: *Geophysical Logging Program*

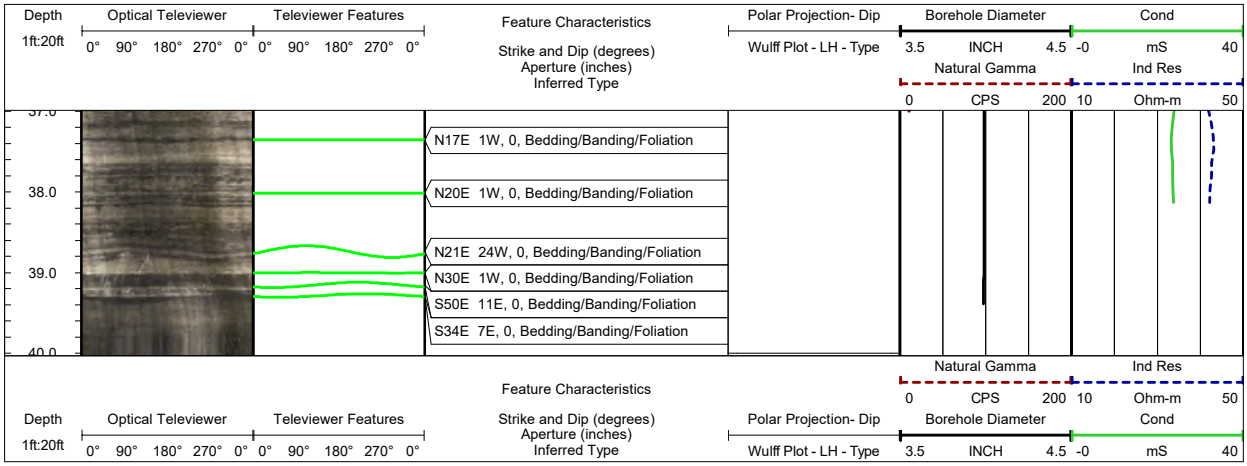
WELL ID *MW12-25*

Logging Date: *04/24/2019*
Logging Datum: *Ground Surface*
BOC: *29.4* **DTW:** *23.5* **TD:** *40.0*

Site Name: *Former Bomax Manufacturing Site*
Location: *Watertown, NY*
Client: *OBG*
Project No.: *020752001*
Revision Date: *05/07/2019*




Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40
Natural Gamma
0 CPS 200
Ind Res
10 Ohm-m 50
18.0
19.0
20.0
21.0
22.0
23.0
24.0
25.0
26.0
27.0
28.0
29.0
30.0
31.0
32.0
33.0
34.0
35.0
36.0
0°
180°
N28E 3W, 0, Bedding/Banding/Foliation
N10E 1W, 0, Bedding/Banding/Foliation


Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40
Natural Gamma
0 CPS 200
Ind Res
10 Ohm-m 50
38.0
39.0
40.0
N17E 1W, 0, Bedding/Banding/Foliation
N20E 1W, 0, Bedding/Banding/Foliation
N21E 24W, 0, Bedding/Banding/Foliation
N30E 1W, 0, Bedding/Banding/Foliation
S50E 11E, 0, Bedding/Banding/Foliation
S34E 7E, 0, Bedding/Banding/Foliation

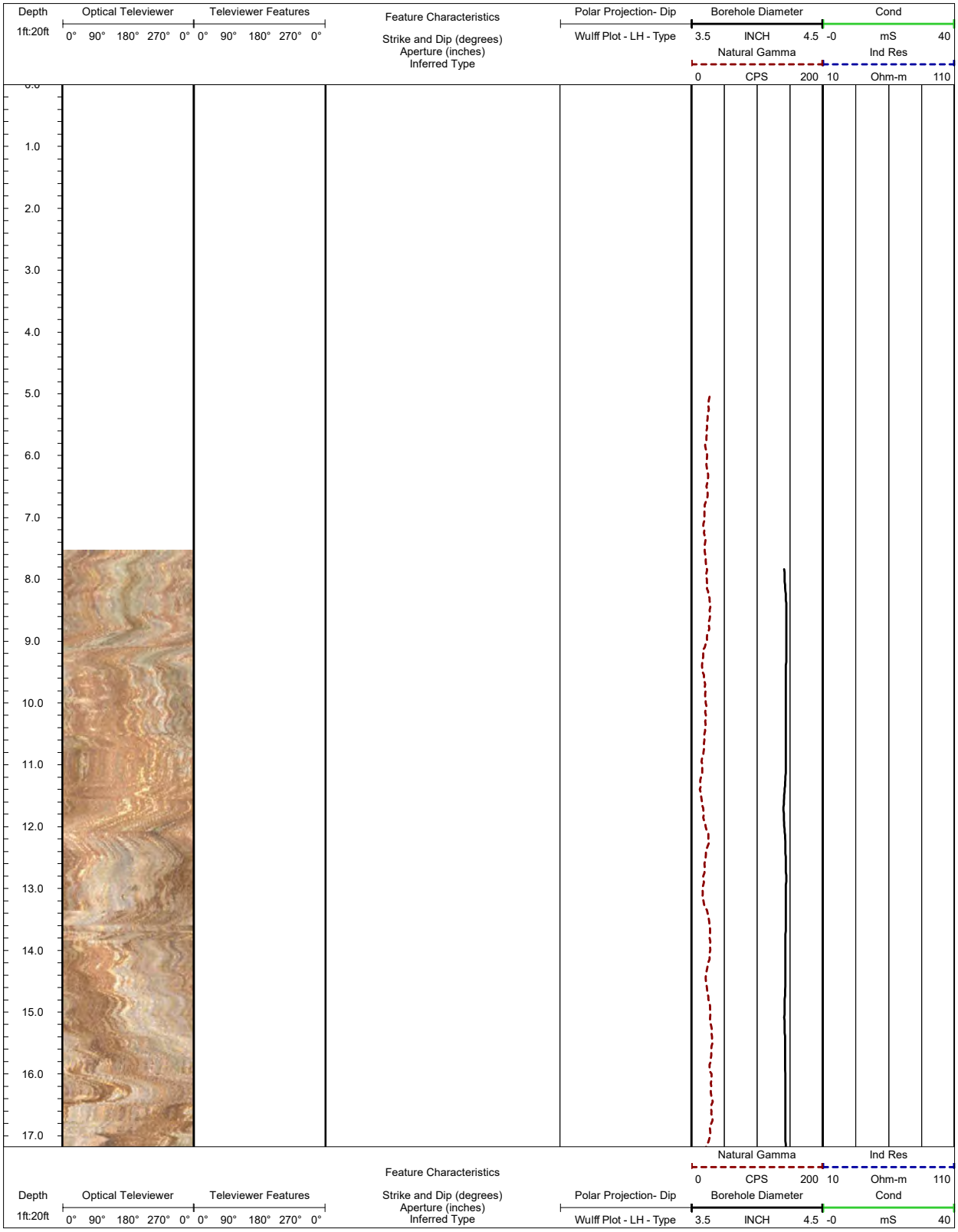
RETTEW-Enviroscan

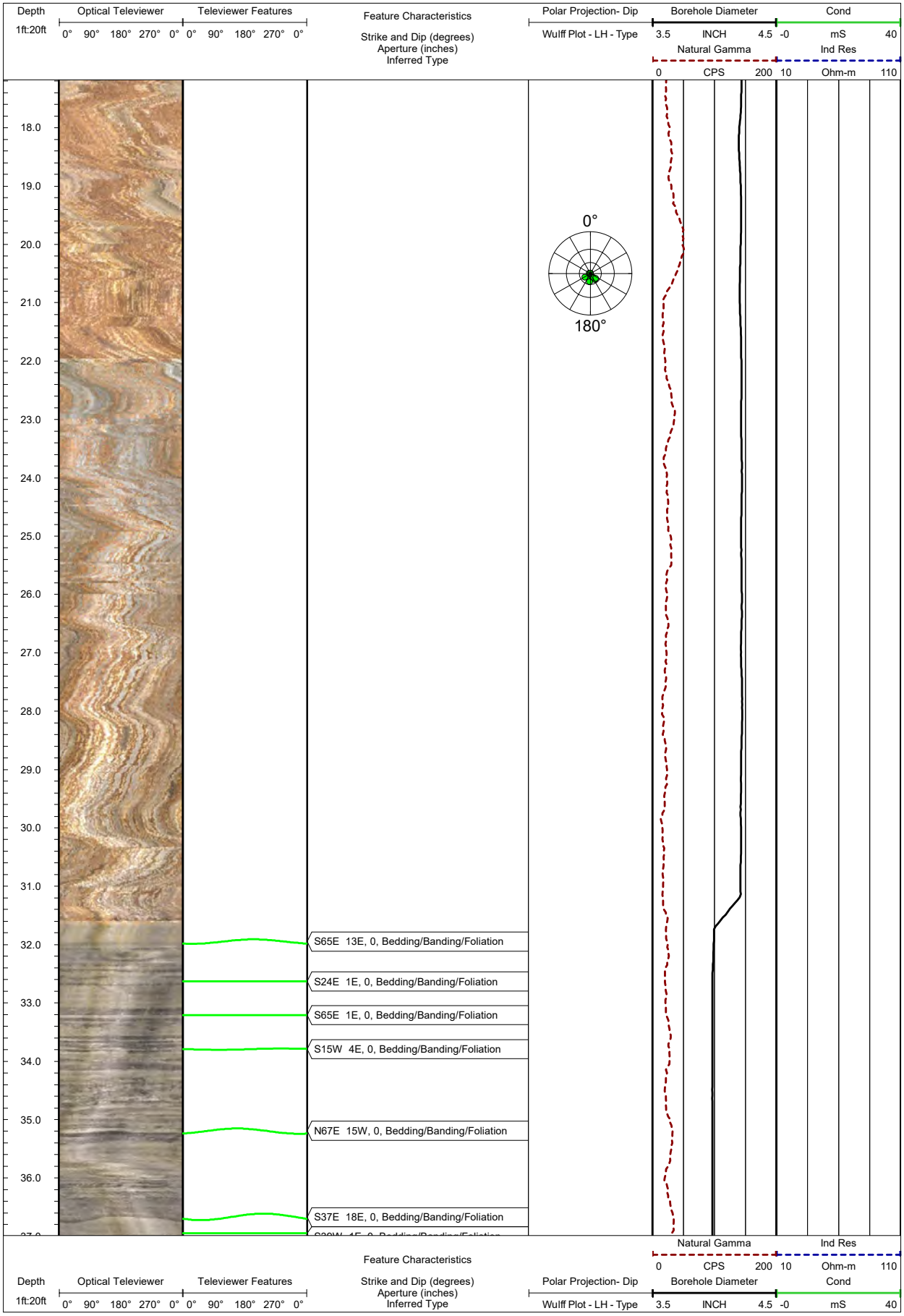
Title: *Geophysical Logging Program*

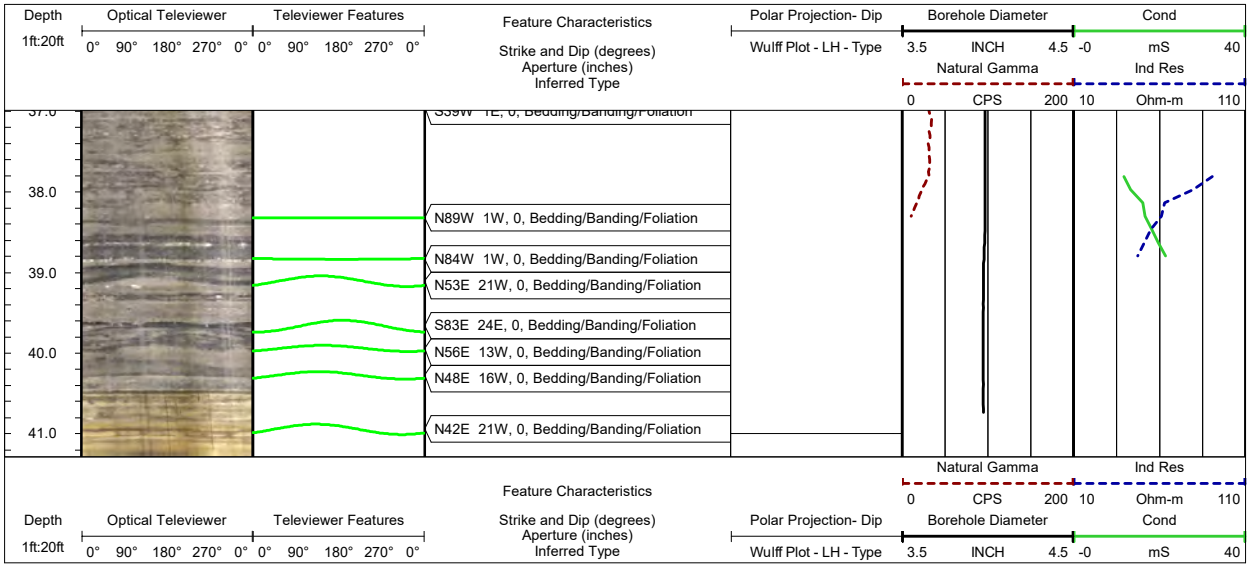
WELL ID *MW12-26*

Logging Date: *04/23/2019*
Logging Datum: *Top of 4" Casing*
BOC: *31.6* **DTW:** *40.5* **TD:** *41.3*

Site Name: *Former Bomax Manufacturing Site*
Location: *Watertown, NY*
Client: *OBG*
Project No.: *020752001*
Revision Date: *05/07/2019*




Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40
Natural Gamma
Ind Res
0 CPS 200 10 Ohm-m 110
18.0
19.0
20.0
21.0
22.0
23.0
24.0
25.0
26.0
27.0
28.0
29.0
30.0
31.0
32.0
33.0
34.0
35.0
36.0
0°
180°
S65E 13E, 0, Bedding/Banding/Foliation
S24E 1E, 0, Bedding/Banding/Foliation
S65E 1E, 0, Bedding/Banding/Foliation
S15W 4E, 0, Bedding/Banding/Foliation
N67E 15W, 0, Bedding/Banding/Foliation
S37E 18E, 0, Bedding/Banding/Foliation
Natural Gamma
Ind Res
0 CPS 200 10 Ohm-m 110
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40


Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40
Natural Gamma
0 CPS 200
Ind Res
10 Ohm-m 110
38.0
39.0
40.0
41.0
N89W 1W, 0, Bedding/Banding/Foliation
N84W 1W, 0, Bedding/Banding/Foliation
N53E 21W, 0, Bedding/Banding/Foliation
S83E 24E, 0, Bedding/Banding/Foliation
N56E 13W, 0, Bedding/Banding/Foliation
N48E 16W, 0, Bedding/Banding/Foliation
N42E 21W, 0, Bedding/Banding/Foliation

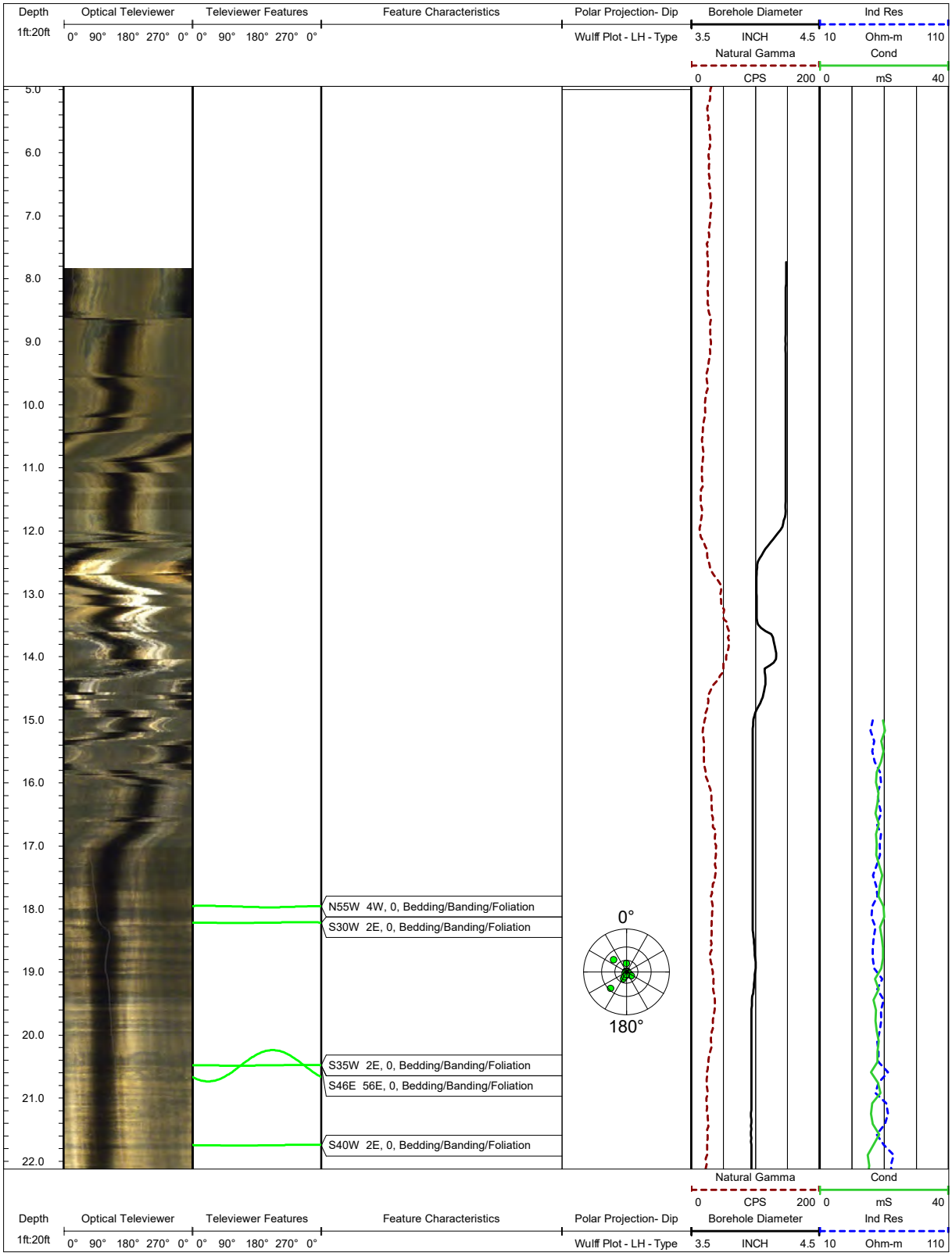
RETTEW-Enviroscan

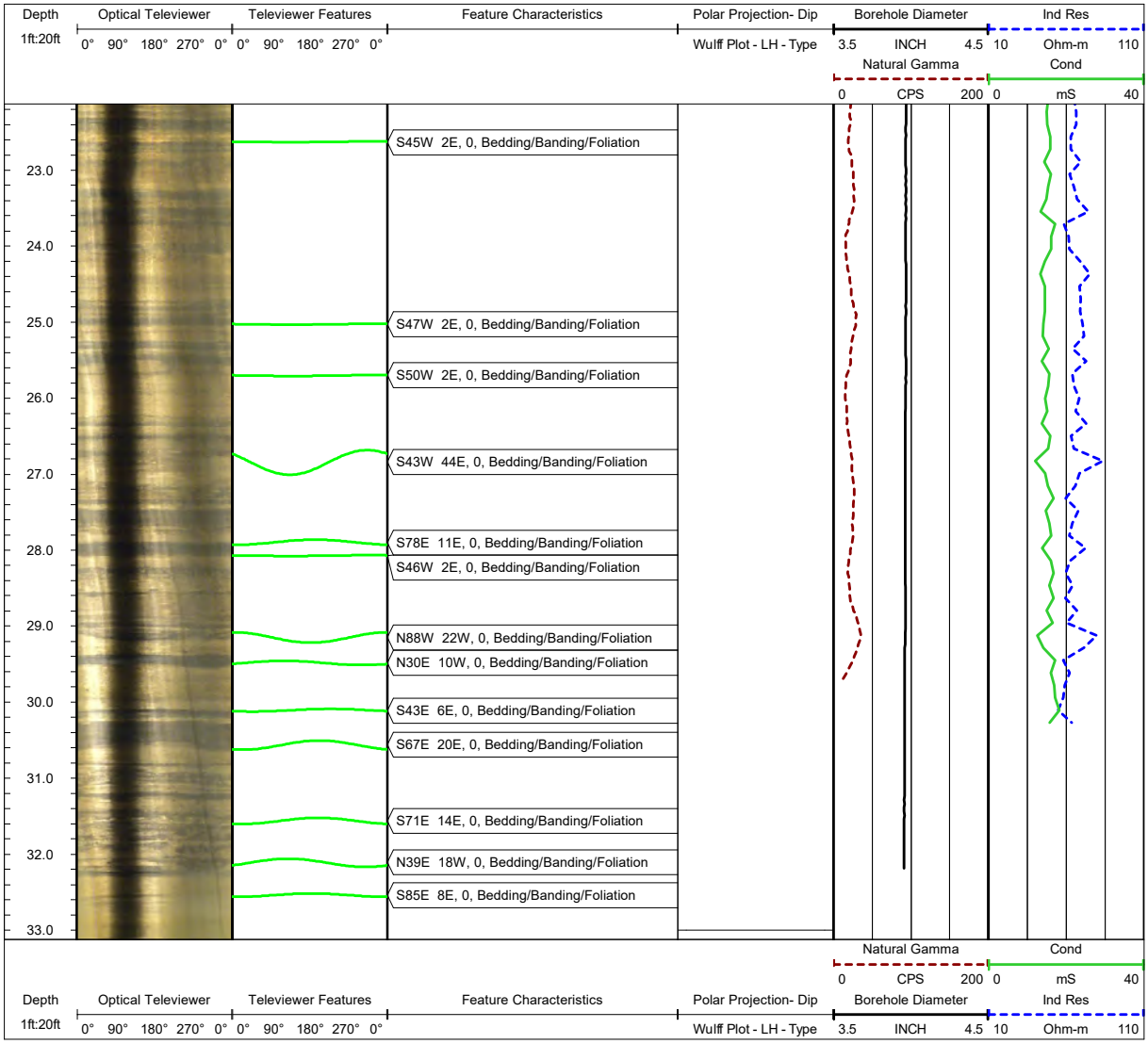
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WELL ID *MW12-27*

Logging Date: *04/23/2019*
Logging Datum: *Top of 4" Casing*
BOC: *12.5* **DTW:** *4.8* **TD:** *33.1*

Site Name: *Former Bomax Manufacturing Site*
Location: *Watertown, NY*
Client: *OBG*
Project No.: *020752001*
Revision Date: *05/07/2019*




Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Feature Characteristics
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Ind Res
10 Ohm-m 110
Natural Gamma
0 CPS 200
Cond
0 mS 40
S45W 2E, 0, Bedding/Banding/Foliation
S47W 2E, 0, Bedding/Banding/Foliation
S50W 2E, 0, Bedding/Banding/Foliation
S43W 44E, 0, Bedding/Banding/Foliation
S78E 11E, 0, Bedding/Banding/Foliation
S46W 2E, 0, Bedding/Banding/Foliation
N88W 22W, 0, Bedding/Banding/Foliation
N30E 10W, 0, Bedding/Banding/Foliation
S43E 6E, 0, Bedding/Banding/Foliation
S67E 20E, 0, Bedding/Banding/Foliation
S71E 14E, 0, Bedding/Banding/Foliation
N39E 18W, 0, Bedding/Banding/Foliation
S85E 8E, 0, Bedding/Banding/Foliation
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27.0
28.0
29.0
30.0
31.0
32.0
33.0

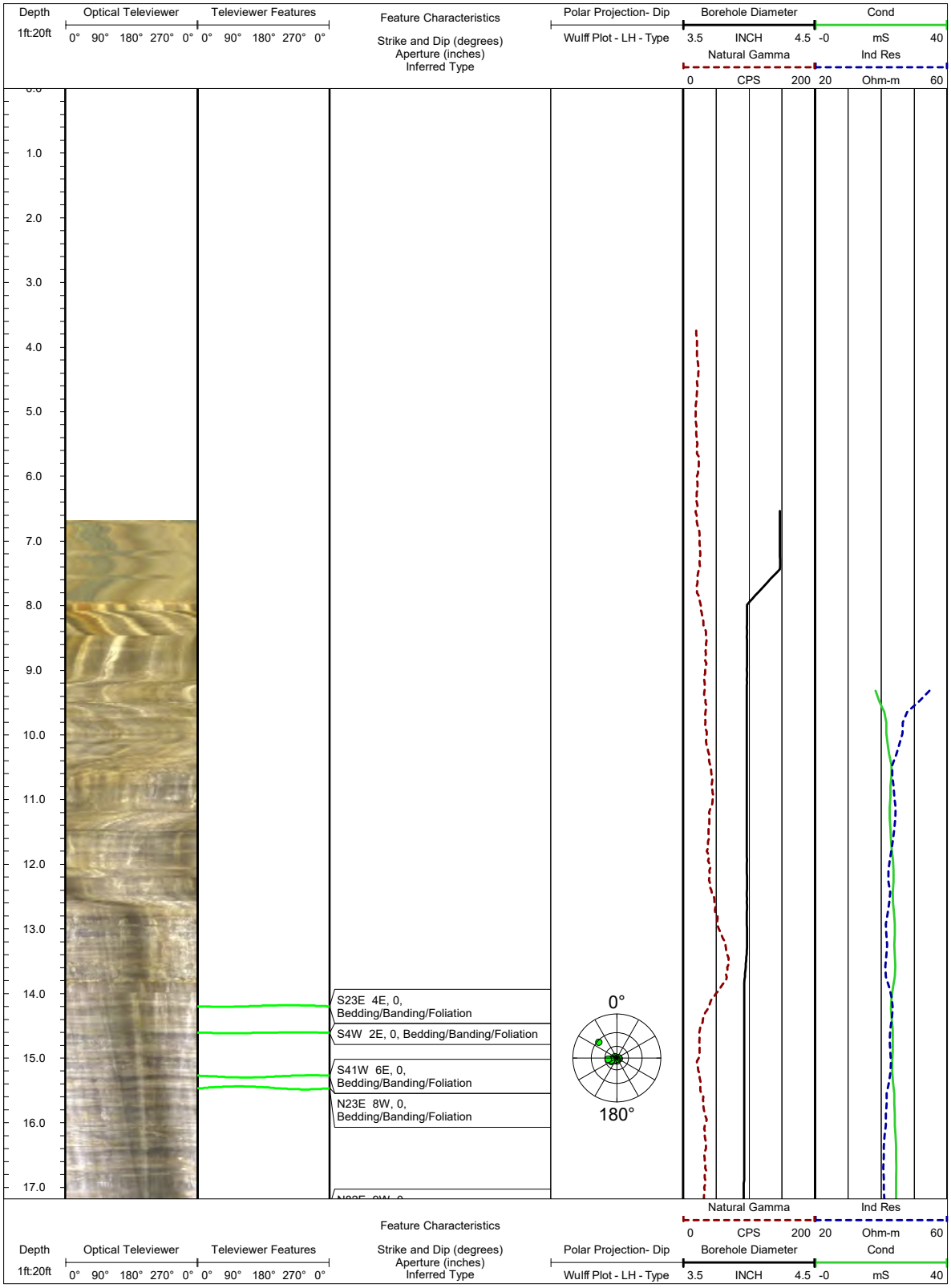
RETTEW-Enviroscan

Title: *Geophysical Logging Program*

WELL ID *MW12-28*

Logging Date: *04/23/2019*
Logging Datum: *Ground Surface*
BOC: *7.9* **DTW:** *4.8* **TD:** *30.6*

Site Name: *Former Bomax Manufacturing Site*
Location: *Watertown, NY*
Client: *OBG*
Project No.: *020752001*
Revision Date: *05/07/2019*



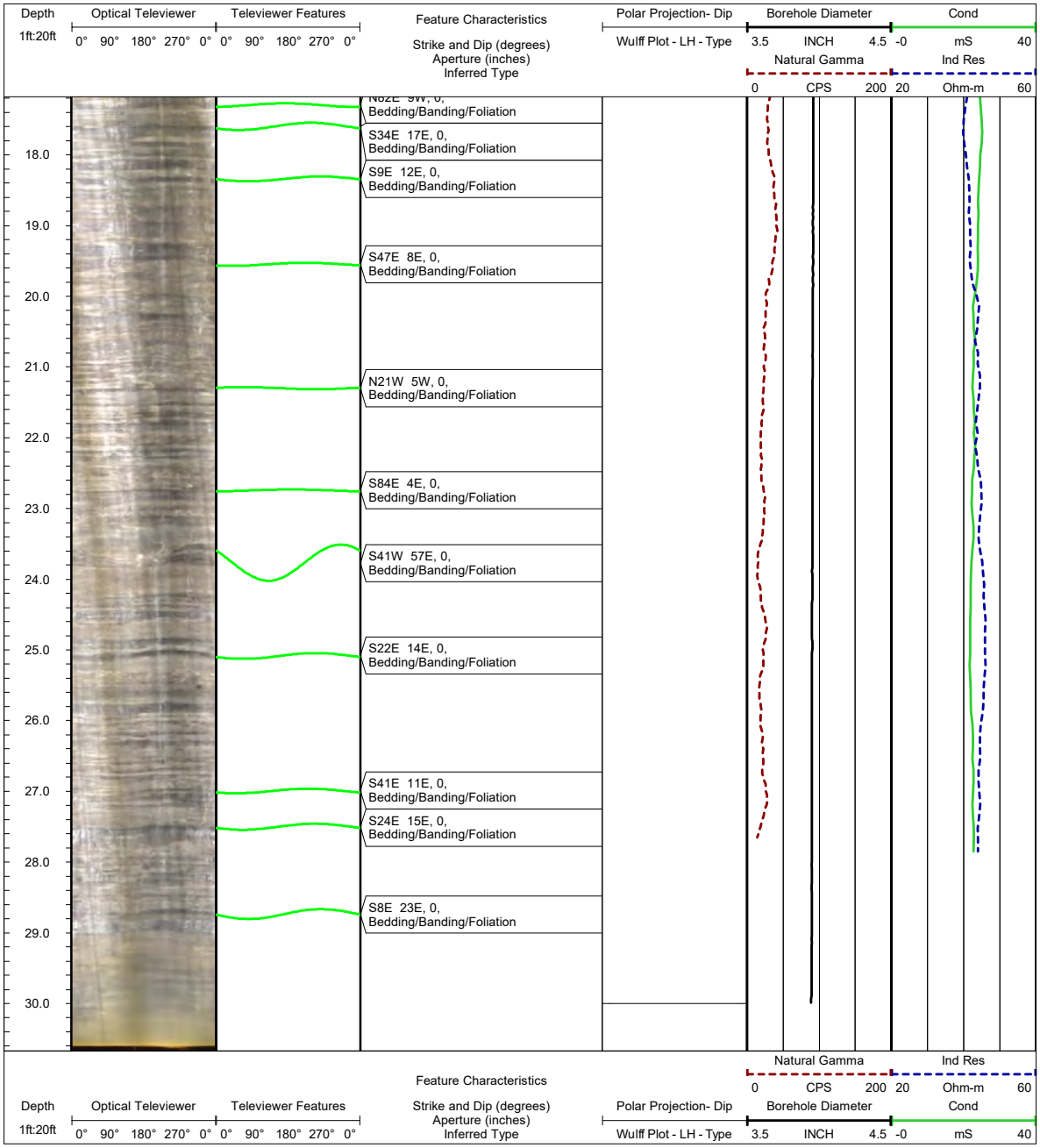

Depth
1ft:20ft
Optical Televiewer
0° 90° 180° 270° 0°
Televiewer Features
0° 90° 180° 270° 0°
Feature Characteristics
Strike and Dip (degrees)
Aperture (inches)
Inferred Type
Polar Projection- Dip
Wulff Plot - LH - Type
Borehole Diameter
3.5 INCH 4.5
Cond
-0 mS 40
Natural Gamma
0 CPS 200
Ind Res
20 Ohm-m 60
Bedding/Banding/Foliation
S34E 17E, 0,
S9E 12E, 0,
S47E 8E, 0,
N21W 5W, 0,
S84E 4E, 0,
S41W 57E, 0,
S22E 14E, 0,
S41E 11E, 0,
S24E 15E, 0,
S8E 23E, 0,
18.0
19.0
20.0
21.0
22.0
23.0
24.0
25.0
26.0
27.0
28.0
29.0
30.0

TABLE 1

Planar Feature Characterizations

Planar Feature Characterizations

▲ Broken Zone/Undifferentiated

● Major Open Joint/Fracture

● Minor Open Joint/Fracture

● Partially Open Joint/Fracture

● Filled Fracture/Joint

● Bedding/Banding/Foliation

APPENDIX A

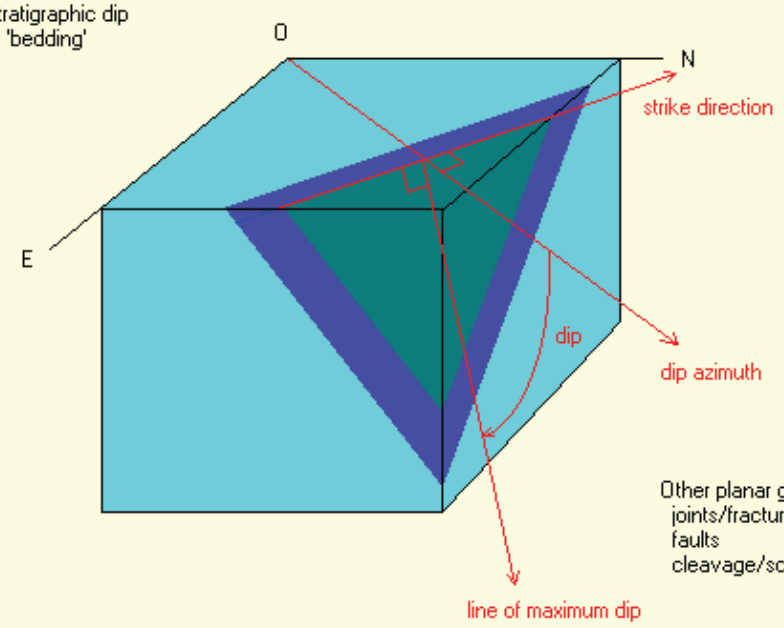
Planar Feature Orientation Parameters

Planar Feature Orientation Parameters

Dip = angle of inclination of the plane, downwards from the horizontal
Dip azimuth = azimuth of the line of maximum dip in the plane, clockwise from North
Strike direction = azimuth of a horizontal line in the plane (= dip azimuth – 90°)

e.g. dip and dip azimuth = 60° N041° or strike and dip = N311° 60°

e.g. Stratigraphic dip
or 'bedding'



Other planar geologic features include
joints/fractures/veins
faults
cleavage/schistosity

APPENDIX B

Planar Feature Characterization Tables

RETTEW/Enviroscan
Planar Feature Characterizations

Well ID:	**MW12-04**	**Client:**	**OBG**
Site Name:	**Former Bomax Site**	**Project No.:**	**020752001**
Location:	**Watertown, NY**	**Revision Date:**	**05.06.2019**

Depth	Aperture (in.)	Dip Azimuth (deg.)	Strike (deg.)	Dip (deg.)	Feature Type
18.5	2.2	105	S15W	1E	Partially Open Joint/Fracture
19.3	0.0	114	S24W	1E	Filled Fracture/Joint
20.2	0.0	259	N11W	11W	Filled Fracture/Joint
21.5	0.0	48	S42E	9E	Filled Fracture/Joint
22.1	0.0	20	S70E	11E	Filled Fracture/Joint
24.1	0.0	272	N2E	10W	Bedding/Banding/Foliation
24.6	0.0	288	N18E	21W	Bedding/Banding/Foliation
27.9	0.0	287	N17E	15W	Bedding/Banding/Foliation
29.1	0.0	105	S15W	21E	Filled Fracture/Joint
29.2	0.0	113	S23W	20E	Filled Fracture/Joint
29.3	0.0	43	S47E	9E	Filled Fracture/Joint
29.6	1.1	45	S45E	11E	Filled Fracture/Joint

RETTEW/Enviroscan
Planar Feature Characterizations

Well ID:	**MW12-12**	**Client:**	**OBG**
Site Name:	**Former Bomax Site**	**Project No.:**	**020752001**
Location:	**Watertown, NY**	**Revision Date:**	**05.06.2019**

Depth	Aperture (in.)	Dip Azimuth (deg.)	Strike (deg.)	Dip (deg.)	Feature Type
13.8	0.0	45	S45E	1E	Bedding/Banding/Foliation
14.1	0.0	236	N34W	20W	Filled Fracture/Joint
14.3	0.0	54	S36E	30E	Filled Fracture/Joint
16.7	0.0	356	N86E	18W	Partially Open Joint/Fracture
17.7	0.0	19	S71E	1E	Bedding/Banding/Foliation
19.2	0.0	20	S70E	1E	Bedding/Banding/Foliation
20.5	0.0	357	N87E	1W	Bedding/Banding/Foliation
20.7	0.0	2	S88E	1E	Bedding/Banding/Foliation
26.1	0.0	17	S73E	2E	Bedding/Banding/Foliation
28.4	0.0	98	S8W	49E	Filled Fracture/Joint
28.9	0.0	210	N60W	32W	Filled Fracture/Joint
29.2	0.0	51	S39E	20E	Filled Fracture/Joint

RETTEW/Enviroscan
Planar Feature Characterizations

Well ID:	**MW12-21**	**Client:**	**OBG**
Site Name:	**Former Bomax Site**	**Project No.:**	**020752001**
Location:	**Watertown, NY**	**Revision Date:**	**05.06.2019**

Depth	Aperture (in.)	Dip Azimuth (deg.)	Strike (deg.)	Dip (deg.)	Feature Type
31.3	0.0	271	N1E	13W	Bedding/Banding/Foliation
32.7	0.0	222	N48W	16W	Bedding/Banding/Foliation
33.8	0.0	250	N20W	1W	Bedding/Banding/Foliation
34.5	0.0	238	N32W	12W	Bedding/Banding/Foliation
35.6	0.0	105	S15W	0E	Bedding/Banding/Foliation
36.5	0.0	71	S19E	0E	Bedding/Banding/Foliation
36.8	0.0	292	N22E	9W	Bedding/Banding/Foliation
37.6	0.0	100	S10W	1E	Bedding/Banding/Foliation
38.5	0.0	92	S2W	1E	Bedding/Banding/Foliation
38.8	0.0	91	S1W	1E	Bedding/Banding/Foliation
39.2	0.0	90	S0E	1E	Bedding/Banding/Foliation
39.3	0.0	91	S1W	1E	Bedding/Banding/Foliation
40.0	0.0	271	N1E	68W	Filled Fracture/Joint

RETTEW/Enviroscan
Planar Feature Characterizations

Well ID:	**MW12-22**	**Client:**	**OBG**
Site Name:	**Former Bomax Site**	**Project No.:**	**020752001**
Location:	**Watertown, NY**	**Revision Date:**	**05.06.2019**

Depth	Aperture (in.)	Dip Azimuth (deg.)	Strike (deg.)	Dip (deg.)	Feature Type
36.9	0.0	37	S53E	15E	Bedding/Banding/Foliation
37.5	0.0	116	S26W	19E	Bedding/Banding/Foliation
37.7	0.0	5	S85E	14E	Bedding/Banding/Foliation
37.9	0.0	289	N19E	11W	Bedding/Banding/Foliation
38.2	0.0	172	S82W	6E	Bedding/Banding/Foliation
38.6	0.0	53	S37E	2E	Bedding/Banding/Foliation
38.7	0.0	146	S56W	12E	Bedding/Banding/Foliation
39.7	0.0	54	S36E	2E	Bedding/Banding/Foliation
40.2	0.0	348	N78E	7W	Bedding/Banding/Foliation
40.3	0.0	323	N53E	8W	Bedding/Banding/Foliation
41.7	0.0	214	N56W	13W	Bedding/Banding/Foliation
42.4	0.0	99	S9W	16E	Bedding/Banding/Foliation

RETTEW/Enviroscan
Planar Feature Characterizations

Well ID:	**MW12-23**	**Client:**	**OBG**
Site Name:	**Former Bomax Site**	**Project No.:**	**020752001**
Location:	**Watertown, NY**	**Revision Date:**	**05.07.2019**

Depth	Aperture (in.)	Dip Azimuth (deg.)	Strike (deg.)	Dip (deg.)	Feature Type
36.5	0.0	260	N10W	17W	Bedding/Banding/Foliation
39.2	0.0	63	S27E	4E	Bedding/Banding/Foliation
39.3	0.0	135	S45W	7E	Bedding/Banding/Foliation
39.5	0.0	91	S1W	32E	Bedding/Banding/Foliation
39.6	0.0	243	N27W	37W	Bedding/Banding/Foliation
40.9	0.0	70	S20E	11E	Bedding/Banding/Foliation
41.4	0.0	99	S9W	5E	Bedding/Banding/Foliation
42.0	0.0	176	S86W	0E	Bedding/Banding/Foliation
42.8	0.0	287	N17E	7W	Bedding/Banding/Foliation
43.6	0.0	266	N4W	8W	Bedding/Banding/Foliation
43.7	0.0	163	S73W	5E	Bedding/Banding/Foliation
44.4	0.0	206	N64W	18W	Bedding/Banding/Foliation
44.7	0.0	232	N38W	20W	Bedding/Banding/Foliation

RETTEW/Enviroscan
Planar Feature Characterizations

Well ID:	**MW12-24**	**Client:**	**OBG**
Site Name:	**Former Bomax Site**	**Project No.:**	**020752001**
Location:	**Watertown, NY**	**Revision Date:**	**05.07.2019**

Depth	Aperture (in.)	Dip Azimuth (deg.)	Strike (deg.)	Dip (deg.)	Feature Type
36.6	0.0	341	N71E	7W	Bedding/Banding/Foliation
37.0	0.0	35	S55E	37E	Bedding/Banding/Foliation
37.3	0.0	45	S45E	1E	Bedding/Banding/Foliation
37.6	0.0	44	S46E	9E	Bedding/Banding/Foliation
37.8	0.0	211	N59W	66W	Filled Fracture/Joint
40.1	0.0	213	N57W	81W	Partially Open Joint/Fracture
40.2	0.0	58	S32E	1E	Bedding/Banding/Foliation
40.5	0.0	28	S62E	78E	Partially Open Joint/Fracture
40.5	0.0	57	S33E	15E	Bedding/Banding/Foliation
40.6	0.0	69	S21E	1E	Bedding/Banding/Foliation
40.8	0.0	30	S60E	13E	Bedding/Banding/Foliation
42.8	0.0	31	S59E	83E	Partially Open Joint/Fracture

RETTEW/Enviroscan
Planar Feature Characterizations

Well ID:	**MW12-25**	**Client:**	**OBG**
Site Name:	**Former Bomax Site**	**Project No.:**	**020752001**
Location:	**Watertown, NY**	**Revision Date:**	**05.07.2019**

Depth	Aperture (in.)	Dip Azimuth (deg.)	Strike (deg.)	Dip (deg.)	Feature Type
36.2	0.0	298	N28E	3W	Bedding/Banding/Foliation
36.6	0.0	280	N10E	1W	Bedding/Banding/Foliation
37.4	0.0	287	N17E	1W	Bedding/Banding/Foliation
38.0	0.0	290	N20E	1W	Bedding/Banding/Foliation
38.7	0.0	291	N21E	24W	Bedding/Banding/Foliation
39.0	0.0	300	N30E	1W	Bedding/Banding/Foliation
39.2	0.0	40	S50E	11E	Bedding/Banding/Foliation
39.3	0.0	56	S34E	7E	Bedding/Banding/Foliation

RETTEW/Enviroscan
Planar Feature Characterizations

Well ID:	**MW12-26**	**Client:**	**OBG**
Site Name:	**Former Bomax Site**	**Project No.:**	**020752001**
Location:	**Watertown, NY**	**Revision Date:**	**05.07.2019**

Depth	Aperture (in.)	Dip Azimuth (deg.)	Strike (deg.)	Dip (deg.)	Feature Type
32.0	0.0	25	S65E	13E	Bedding/Banding/Foliation
32.6	0.0	66	S24E	1E	Bedding/Banding/Foliation
33.2	0.0	25	S65E	1E	Bedding/Banding/Foliation
33.8	0.0	105	S15W	4E	Bedding/Banding/Foliation
35.2	0.0	337	N67E	15W	Bedding/Banding/Foliation
36.7	0.0	53	S37E	18E	Bedding/Banding/Foliation
37.0	0.0	129	S39W	1E	Bedding/Banding/Foliation
38.3	0.0	181	N89W	1W	Bedding/Banding/Foliation
38.8	0.0	186	N84W	1W	Bedding/Banding/Foliation
39.1	0.0	323	N53E	21W	Bedding/Banding/Foliation
39.7	0.0	7	S83E	24E	Bedding/Banding/Foliation
39.9	0.0	326	N56E	13W	Bedding/Banding/Foliation
40.3	0.0	318	N48E	16W	Bedding/Banding/Foliation
40.9	0.0	312	N42E	21W	Bedding/Banding/Foliation

RETTEW/Enviroscan
Planar Feature Characterizations

Well ID:	**MW12-27**	**Client:**	**OBG**
Site Name:	**Former Bomax Site**	**Project No.:**	**020752001**
Location:	**Watertown, NY**	**Revision Date:**	**05.07.2019**

Depth	Aperture (in.)	Dip Azimuth (deg.)	Strike (deg.)	Dip (deg.)	Feature Type
18.0	0.0	215	N55W	4W	Bedding/Banding/Foliation
18.2	0.0	120	S30W	2E	Bedding/Banding/Foliation
20.5	0.0	125	S35W	2E	Bedding/Banding/Foliation
20.5	0.0	44	S46E	56E	Bedding/Banding/Foliation
21.8	0.0	130	S40W	2E	Bedding/Banding/Foliation
22.6	0.0	135	S45W	2E	Bedding/Banding/Foliation
25.0	0.0	137	S47W	2E	Bedding/Banding/Foliation
25.7	0.0	140	S50W	2E	Bedding/Banding/Foliation
26.8	0.0	133	S43W	44E	Bedding/Banding/Foliation
27.9	0.0	12	S78E	11E	Bedding/Banding/Foliation
28.1	0.0	136	S46W	2E	Bedding/Banding/Foliation
29.2	0.0	182	N88W	22W	Bedding/Banding/Foliation
29.5	0.0	300	N30E	10W	Bedding/Banding/Foliation
30.1	0.0	47	S43E	6E	Bedding/Banding/Foliation
30.6	0.0	23	S67E	20E	Bedding/Banding/Foliation
31.6	0.0	19	S71E	14E	Bedding/Banding/Foliation
32.1	0.0	309	N39E	18W	Bedding/Banding/Foliation
32.5	0.0	5	S85E	8E	Bedding/Banding/Foliation

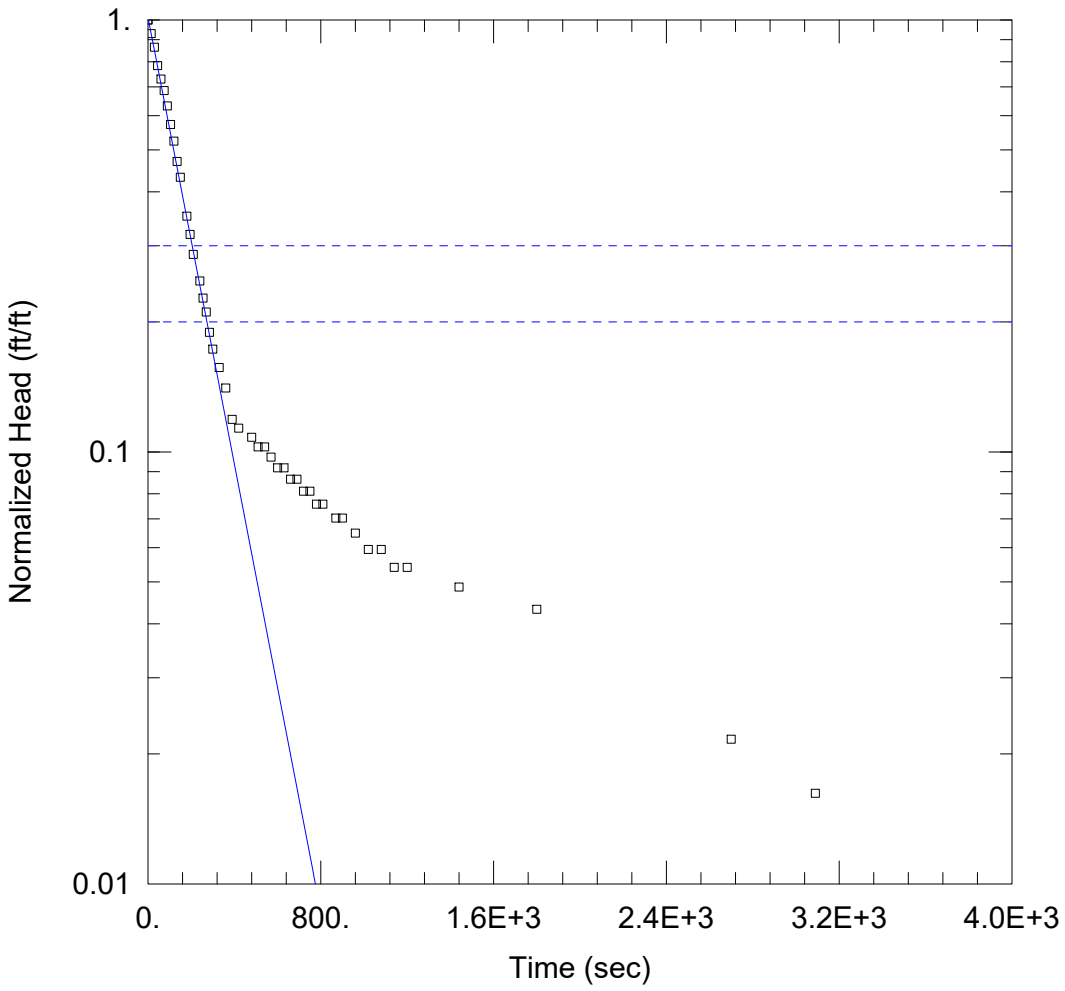
RETTEW/Enviroscan
Planar Feature Characterizations

Well ID:	**MW12-28**	**Client:**	**OBG**
Site Name:	**Former Bomax Site**	**Project No.:**	**020752001**
Location:	**Watertown, NY**	**Revision Date:**	**05.07.2019**

Depth	Aperture (in.)	Dip Azimuth (deg.)	Strike (deg.)	Dip (deg.)	Feature Type
14.2	0.0	67	S23E	4E	Bedding/Banding/Foliation
14.6	0.0	94	S4W	2E	Bedding/Banding/Foliation
15.3	0.0	131	S41W	6E	Bedding/Banding/Foliation
15.5	0.0	293	N23E	8W	Bedding/Banding/Foliation
17.3	0.0	352	N82E	9W	Bedding/Banding/Foliation
17.6	0.0	56	S34E	17E	Bedding/Banding/Foliation
18.3	0.0	81	S9E	12E	Bedding/Banding/Foliation
19.6	0.0	43	S47E	8E	Bedding/Banding/Foliation
21.3	0.0	249	N21W	5W	Bedding/Banding/Foliation
22.7	0.0	6	S84E	4E	Bedding/Banding/Foliation
23.8	0.0	131	S41W	57E	Bedding/Banding/Foliation
25.1	0.0	68	S22E	14E	Bedding/Banding/Foliation
27.0	0.0	49	S41E	11E	Bedding/Banding/Foliation
27.5	0.0	66	S24E	15E	Bedding/Banding/Foliation
28.7	0.0	82	S8E	23E	Bedding/Banding/Foliation

Appendix F

Hydraulic Conductivity Data



PHASE 3 RI - HYDRAULIC CONDUCTIVITY EVALUATION

Data Set: I:\...\MW-12-02_R_Bouwer.aqt
Date: 04/15/22 Time: 11:16:17

PROJECT INFORMATION

Company: Ramboll
Client: NYSDEC
Project: 49512
Location: Watertown, NY
Test Well: MW-12-2-R
Test Date: 6/30/2020

AQUIFER DATA

Saturated Thickness: 4.55 ft Anisotropy Ratio (Kz/Kr): 1.

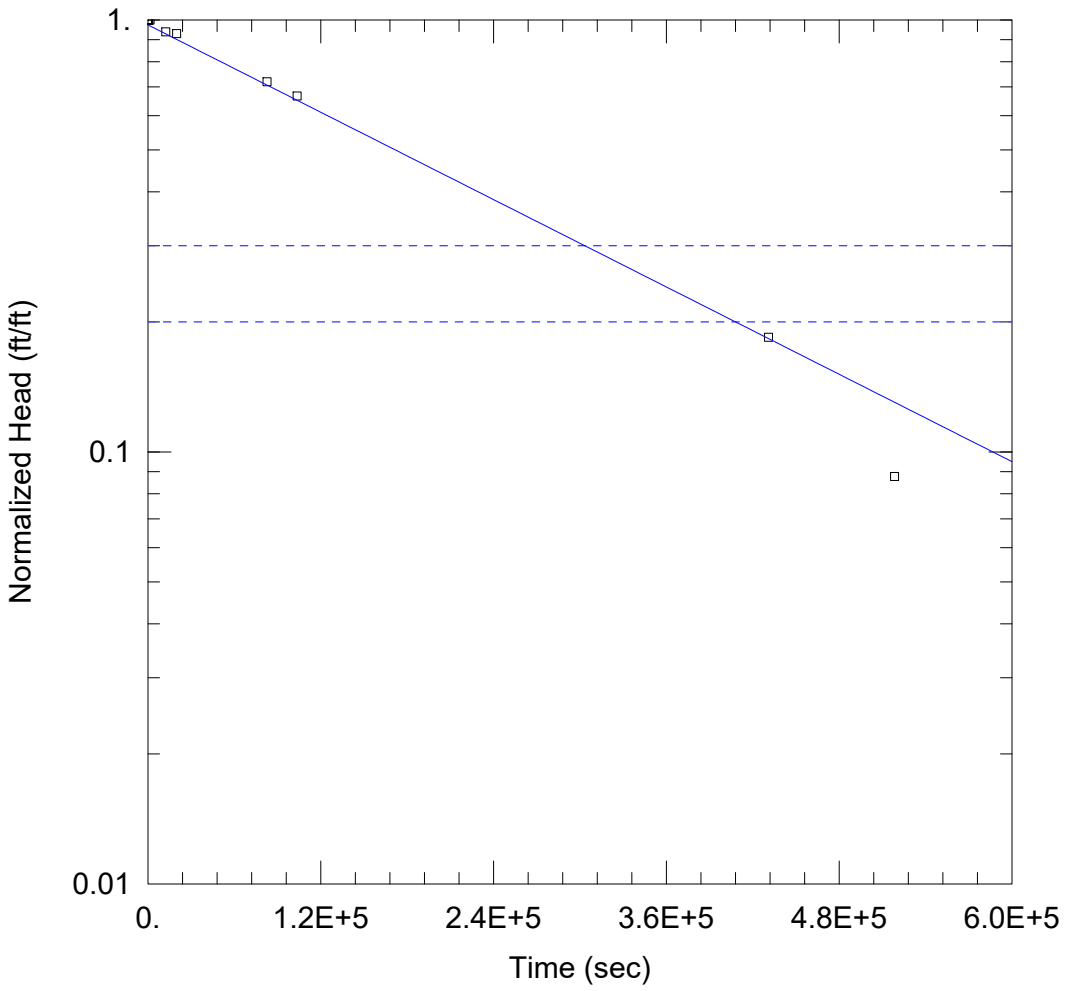
WELL DATA (MW-12-02)

Initial Displacement: 1.85 ft Static Water Column Height: 4.55 ft
Total Well Penetration Depth: 4.55 ft Screen Length: 4.55 ft
Casing Radius: 0.083 ft Well Radius: 0.17 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 0.00034 cm/sec y0 = 1.88 ft



PHASE 3 RI - HYDRAULIC CONDCUTIVITY EVALUATION

Data Set: I:\...\MW-12-03_R_Bouwer.aqt
Date: 04/15/22 Time: 11:26:03

PROJECT INFORMATION

Company: Ramboll
Client: NYSDEC
Project: 49512
Location: Watertown, NY
Test Well: MW-12-03-R
Test Date: 7/1/2020

AQUIFER DATA

Saturated Thickness: 23.14 ft Anisotropy Ratio (Kz/Kr): 1.

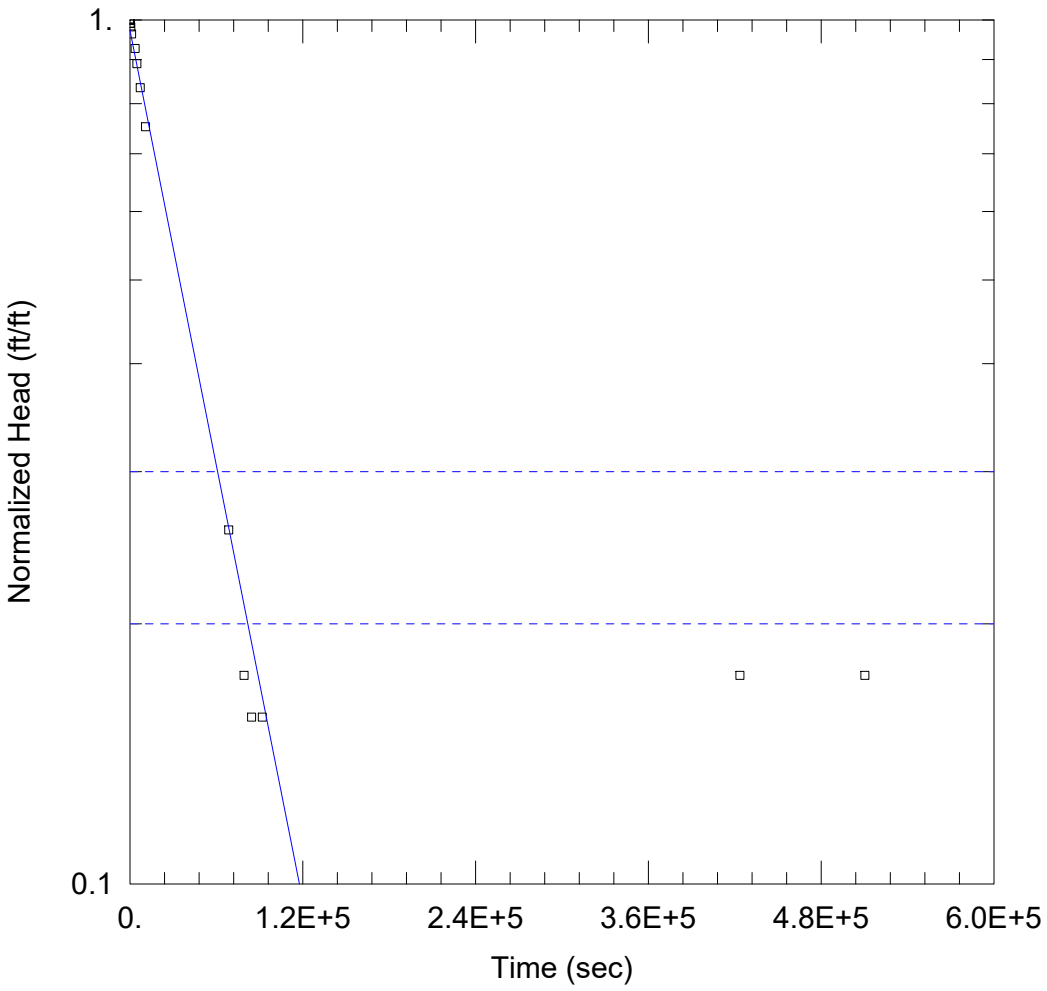
WELL DATA (MW-12-03)

Initial Displacement: 1.14 ft
Total Well Penetration Depth: 23.14 ft
Casing Radius: 0.16 ft
Static Water Column Height: 23.14 ft
Screen Length: 23.14 ft
Well Radius: 0.17 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 2.483E-7 cm/sec
y0 = 1.11 ft



PHASE 3 RI - HTDRAULIC CONDUCTIVITY EVALUATION

Data Set: I:\...\MW-12-04_R_(83%)_Bouwer.aqt
Date: 04/15/22 Time: 11:32:02

PROJECT INFORMATION

Company: Ramboll
Client: NYSDEC
Project: 49512
Location: Watertown, NY
Test Well: MW-12-04-R
Test Date: 7/1/2020

AQUIFER DATA

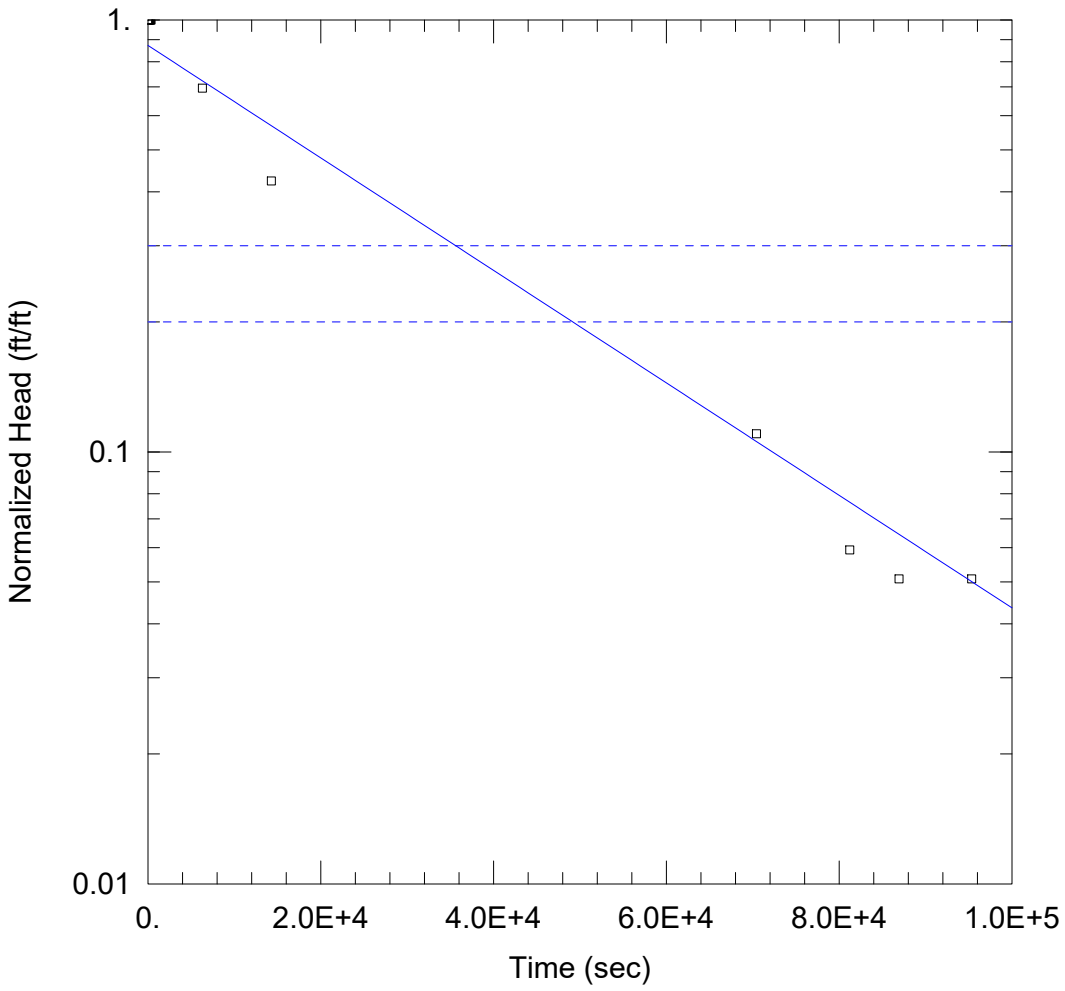
Saturated Thickness: 25.66 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-12-04)

Initial Displacement: 1.09 ft
Total Well Penetration Depth: 25.66 ft
Casing Radius: 0.16 ft
Static Water Column Height: 25.66 ft
Screen Length: 23.5 ft
Well Radius: 0.17 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.241E-6 cm/sec
y0 = 1.06 ft



PHASE 3 RI - HYRAULIC CONDUCTIVITY EVALUATION

Data Set: I:\...\MW-12-08_R_Bouwer.aqt
Date: 04/15/22 Time: 11:49:13

PROJECT INFORMATION

Company: Ramboll
Client: NYSDEC
Project: 49512
Location: Watertown, NY
Test Well: MW-12-08-R
Test Date: 7/1/2020

AQUIFER DATA

Saturated Thickness: 25.05 ft Anisotropy Ratio (Kz/Kr): 1.

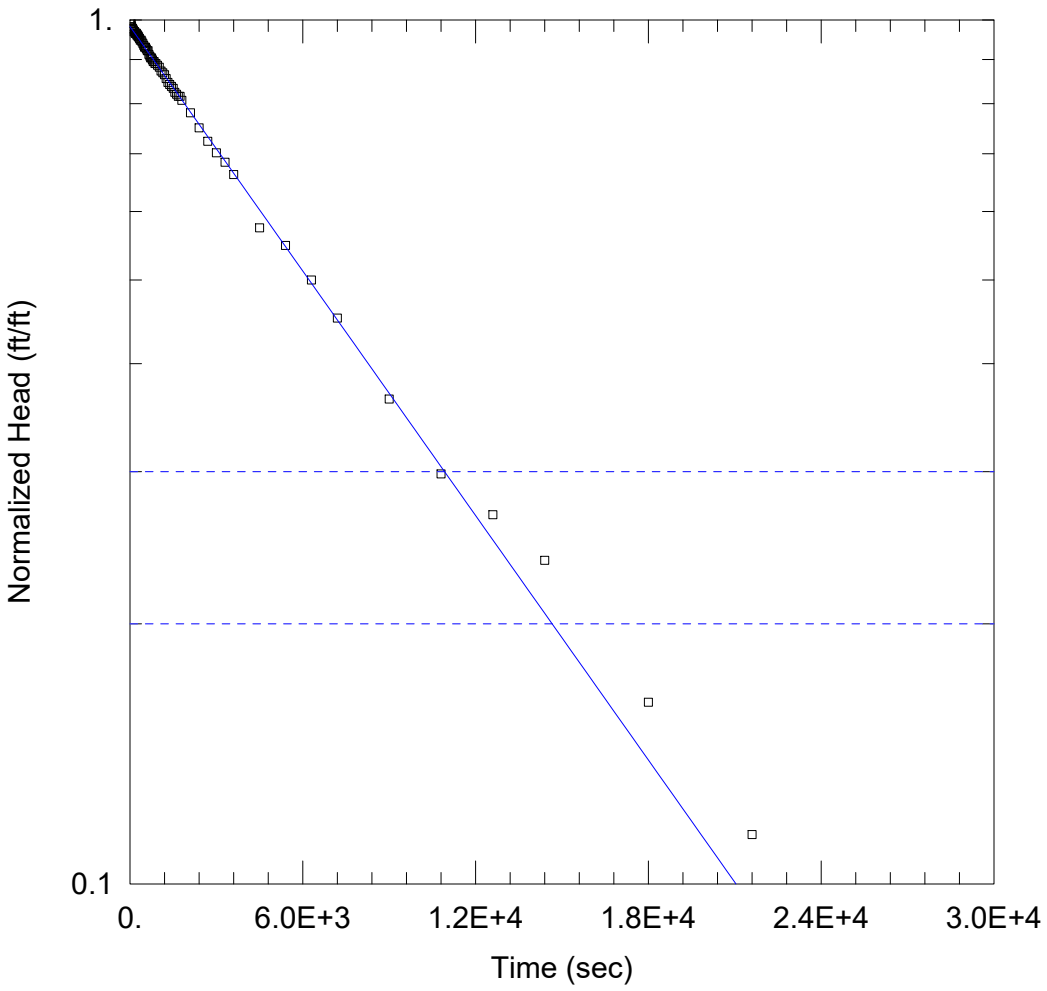
WELL DATA (MW-12-08)

Initial Displacement: 1.18 ft Static Water Column Height: 25.05 ft
Total Well Penetration Depth: 25.05 ft Screen Length: 25.05 ft
Casing Radius: 0.16 ft Well Radius: 0.17 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 1.803E-6 cm/sec y0 = 1.03 ft



PHASE 3 RI - HYDRAULIC CONDUCTIVITY EVALUATION

Data Set: I:\...\MW-12-10_R_Bouwer.aqt
Date: 04/15/22 Time: 11:57:00

PROJECT INFORMATION

Company: Ramboll
Client: NYSDEC
Project: 49512
Location: Watertown, NY
Test Well: MW-12-10-R
Test Date: 7/1/2020

AQUIFER DATA

Saturated Thickness: 16.58 ft Anisotropy Ratio (Kz/Kr): 1.

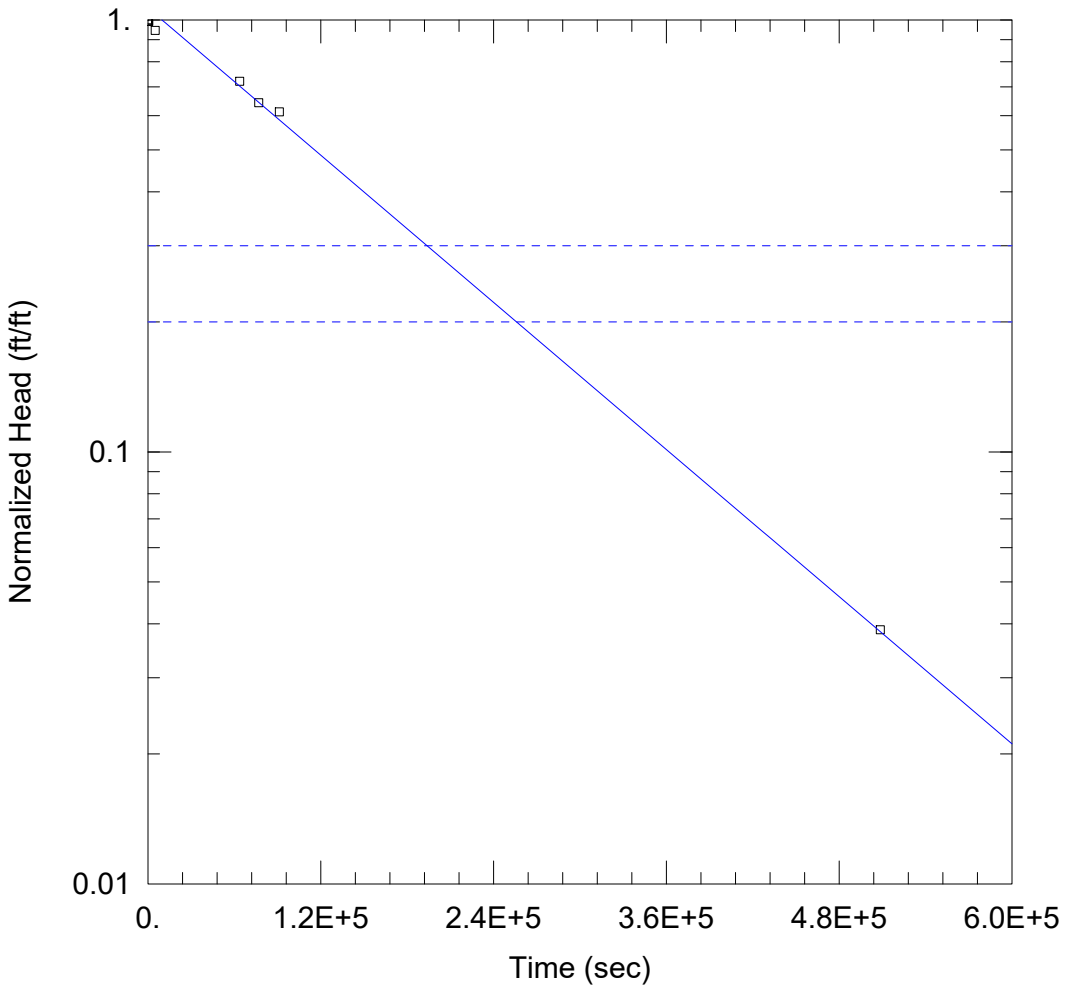
WELL DATA (MW-12-10)

Initial Displacement: 2.28 ft Static Water Column Height: 16.58 ft
Total Well Penetration Depth: 16.58 ft Screen Length: 16.58 ft
Casing Radius: 0.16 ft Well Radius: 0.17 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice

K = 9.006E-6 cm/sec y0 = 2.24 ft



WELL TEST ANALYSIS

Data Set: I:\...\MW-12-12_R_Bouwer.aqt
Date: 03/08/24 Time: 15:40:06

PROJECT INFORMATION

Company: Ramboll
Client: NYSDEC
Project: 49512
Location: Watertown, NY
Test Well: MW-12-12-R
Test Date: 6/30/2020

AQUIFER DATA

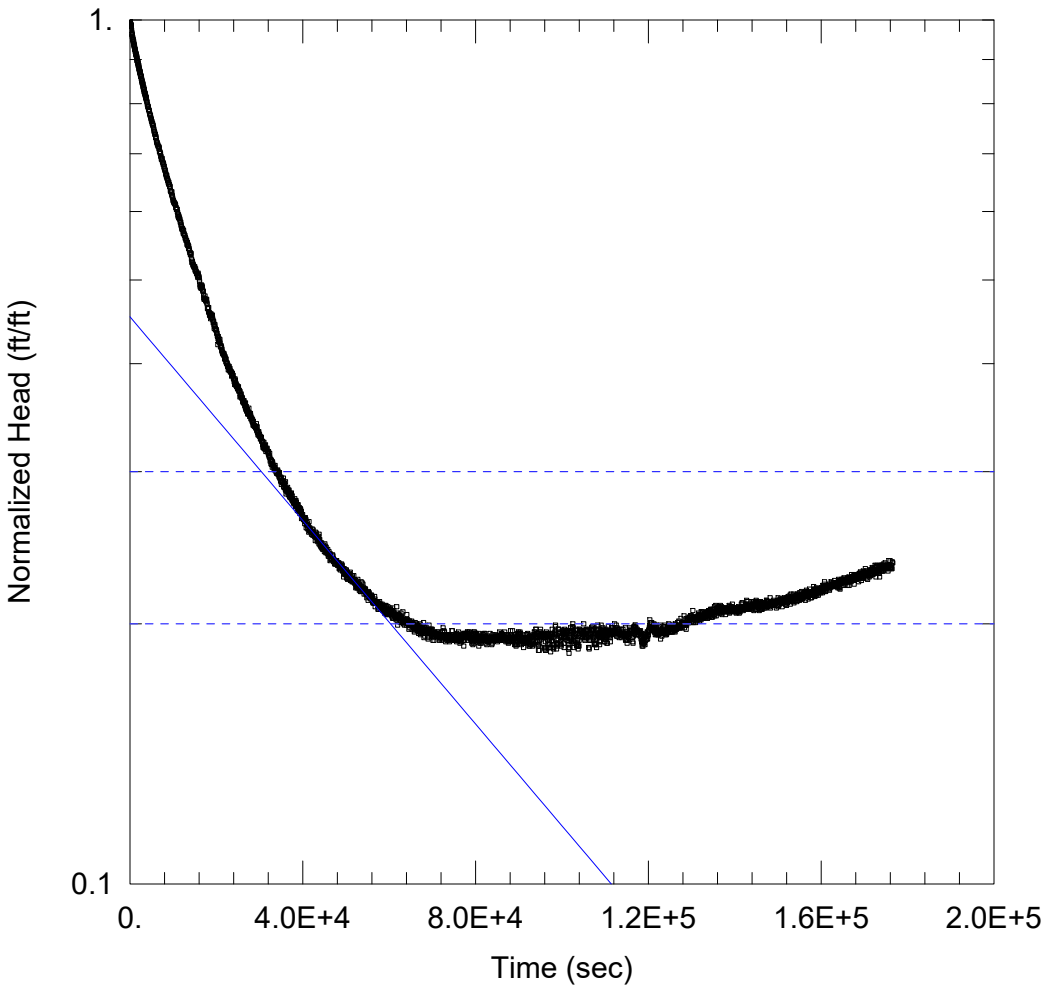
Saturated Thickness: 17.3 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-12-12)

Initial Displacement: 1.29 ft Static Water Column Height: 17.3 ft
Total Well Penetration Depth: 17.3 ft Screen Length: 17.3 ft
Casing Radius: 0.16 ft Well Radius: 0.17 ft

SOLUTION

Aquifer Model: Unconfined Solution Method: Bouwer-Rice
K = 5.245E-7 cm/sec y0 = 1.374 ft



PHASE 3 RI - HYDRAULIC CONDUCTIVITY EVALUATION

Data Set: I:\...\MW-12-13_R_Slug_Bouwer.aqt
Date: 04/15/22 Time: 12:06:35

PROJECT INFORMATION

Company: Ramboll
Client: NYSDEC
Project: 49512
Location: Watertown, NY
Test Well: MW-12-13-R
Test Date: 7/2/2020

AQUIFER DATA

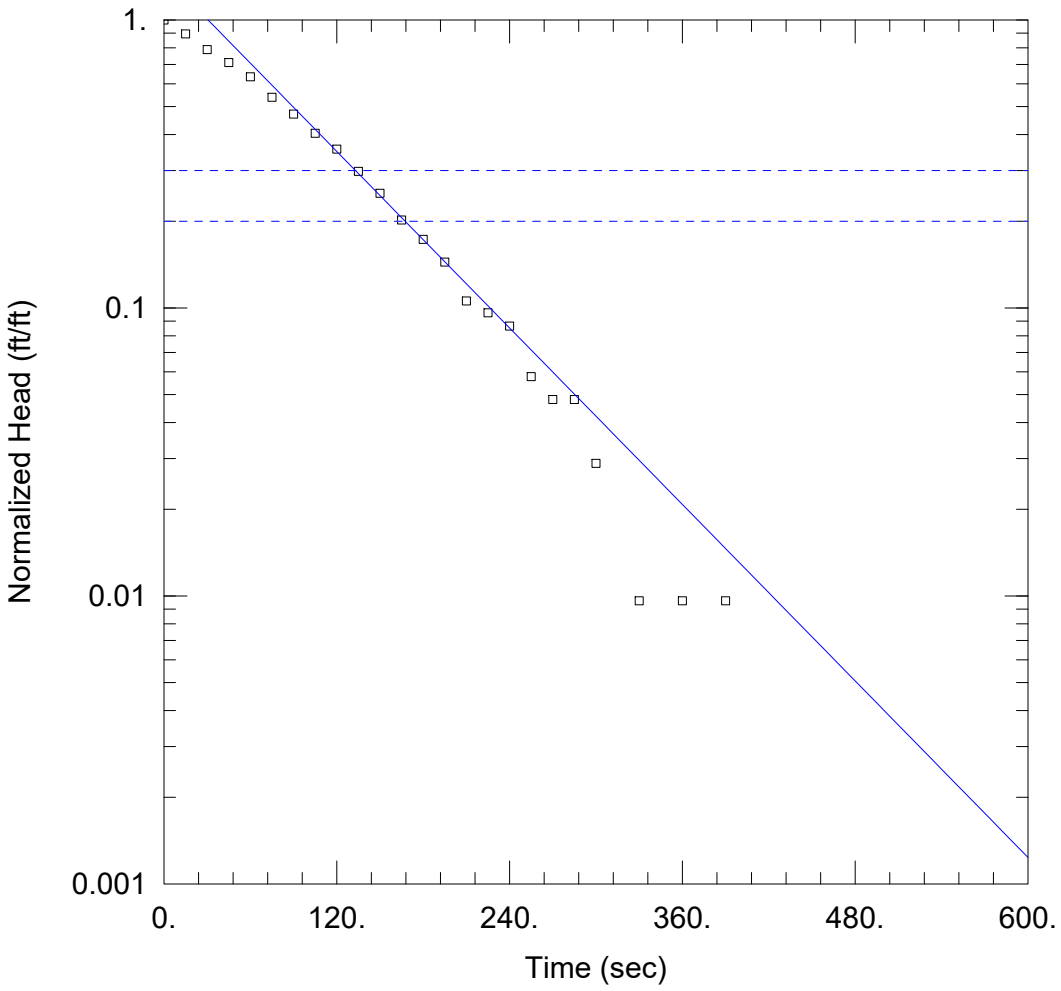
Saturated Thickness: 26.78 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-12-13)

Initial Displacement: 1.39 ft
Total Well Penetration Depth: 26.78 ft
Casing Radius: 0.16 ft
Static Water Column Height: 26.78 ft
Screen Length: 26.78 ft
Well Radius: 0.17 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 7.746E-7 cm/sec
y0 = 0.63 ft



PHASE 3 RI - HYDRAULIC CONDUCTIVITY EVALUATION

Data Set: I:\...\MW-12-14_R_Bouwer.aqt
Date: 04/15/22 Time: 12:17:42

PROJECT INFORMATION

Company: Ramboll
Client: NYSDEC
Project: 49512
Location: Watertown, NY
Test Well: MW-12-14-R
Test Date: 6/29/2020

AQUIFER DATA

Saturated Thickness: 3.59 ft Anisotropy Ratio (Kz/Kr): 1.

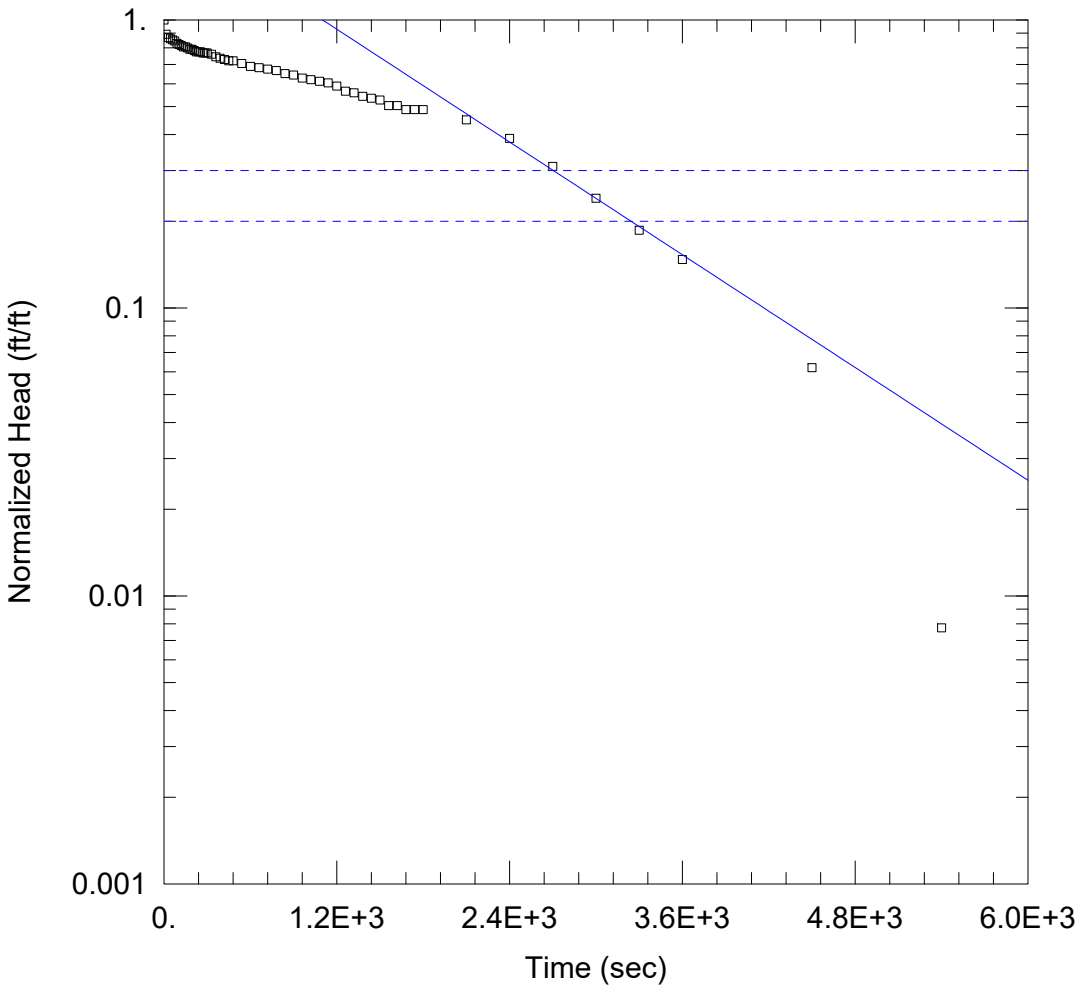
WELL DATA (MW-12-14)

Initial Displacement: 1.04 ft
Total Well Penetration Depth: 3.59 ft
Casing Radius: 0.083 ft
Static Water Column Height: 3.59 ft
Screen Length: 3.59 ft
Well Radius: 0.17 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 0.00078 cm/sec
y0 = 1.49 ft



PHASE 3 RI - HYDRAULIC CONDUCTIVITY EVALUATION

Data Set: I:\...\MW-12-18_R_Bouwer.aqt
Date: 04/15/22 Time: 13:09:06

PROJECT INFORMATION

Company: Ramboll
Client: NYSDEC
Project: 49512
Location: Watertown, NY
Test Well: MW-12-18-R
Test Date: 6/29/2020

AQUIFER DATA

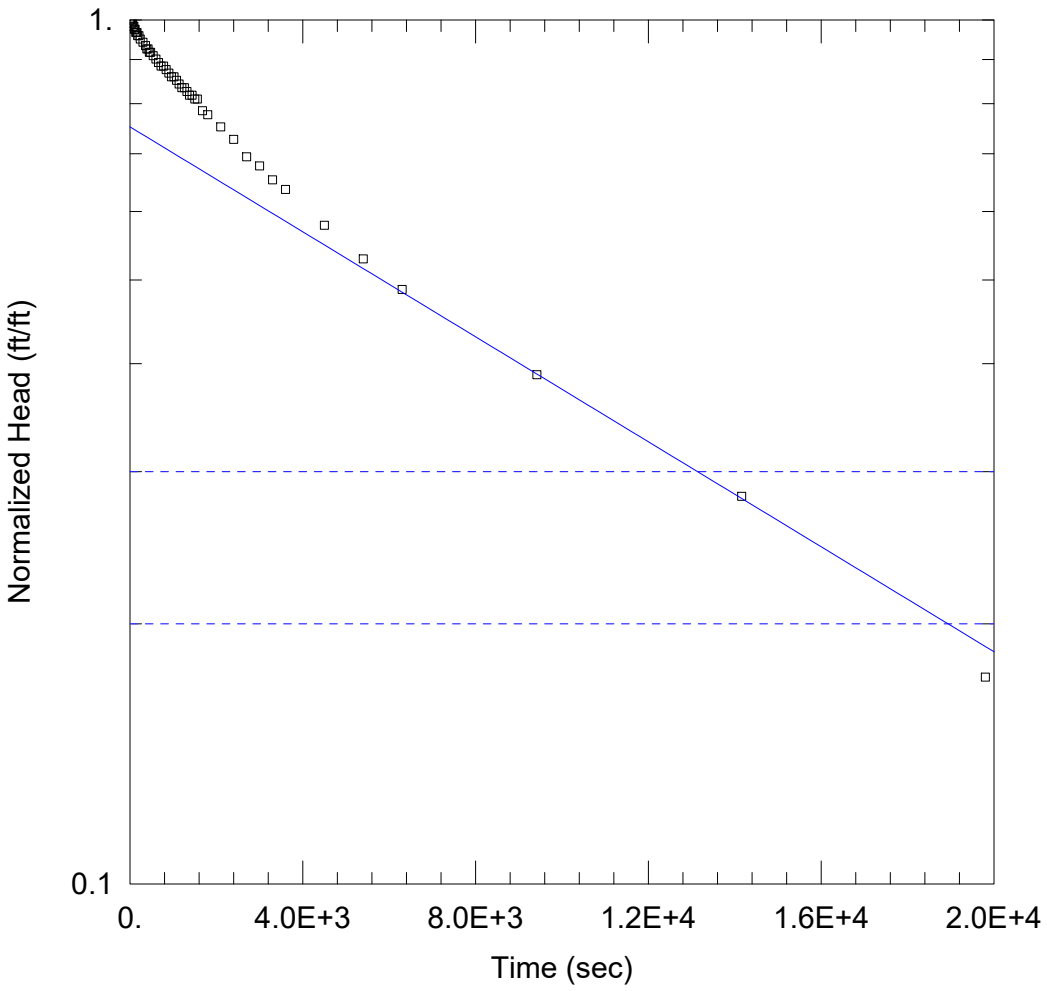
Saturated Thickness: 19.84 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-12-18)

Initial Displacement: 1.29 ft
Total Well Penetration Depth: 19.84 ft
Casing Radius: 0.083 ft
Static Water Column Height: 19.84 ft
Screen Length: 19.84 ft
Well Radius: 0.17 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 1.459E-5 cm/sec
y0 = 2.95 ft



PHASE 3 RI - HYDRAULIC CONDUCTIVITY EVALUATION

Data Set: I:\...\MW-12-19_R_Bouwer.aqt
Date: 04/15/22 Time: 13:18:10

PROJECT INFORMATION

Company: Ramboll
Client: NYSDEC
Project: 49512
Location: Watertown, NY
Test Well: MW-12-19-R
Test Date: 7/2/2020

AQUIFER DATA

Saturated Thickness: 25.7 ft Anisotropy Ratio (Kz/Kr): 1.

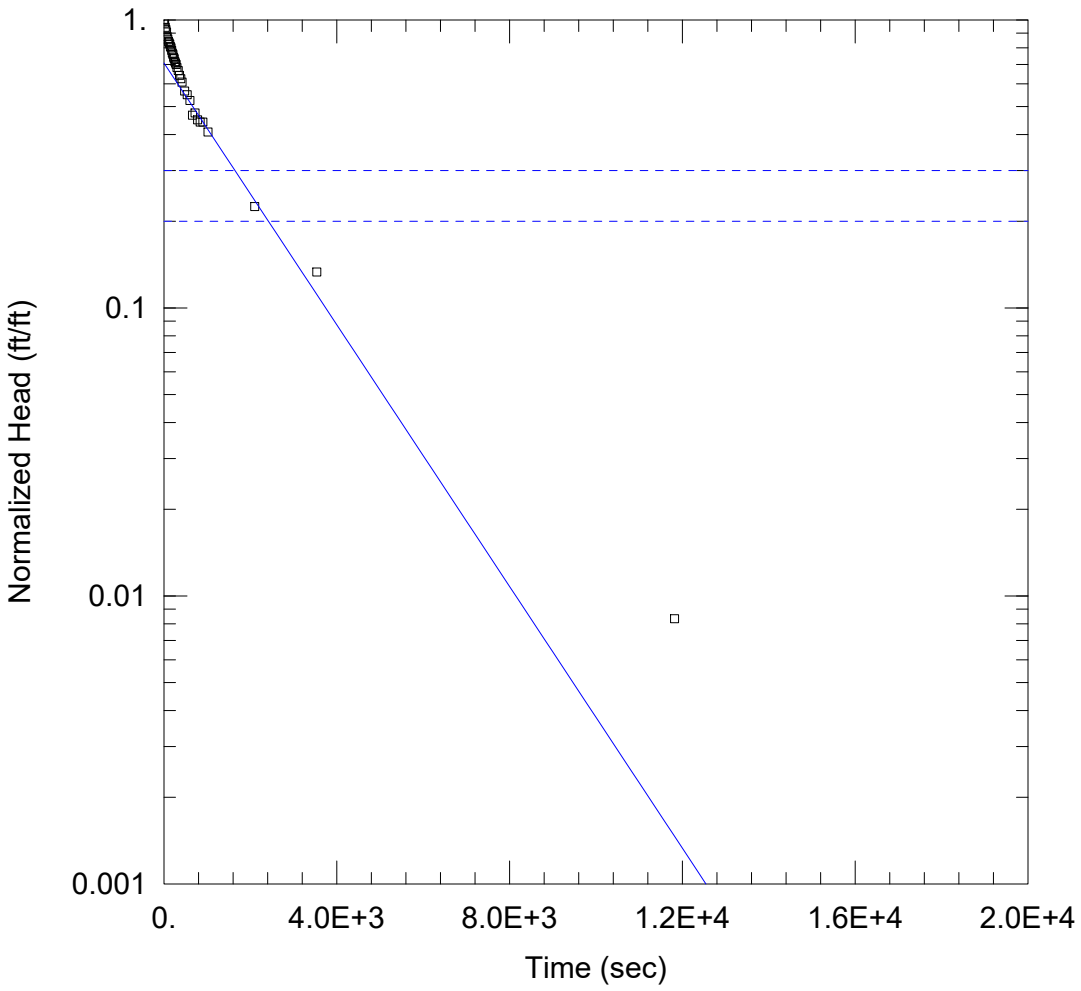
WELL DATA (MW-12-19)

Initial Displacement: 1.21 ft
Total Well Penetration Depth: 25.7 ft
Casing Radius: 0.16 ft
Static Water Column Height: 25.7 ft
Screen Length: 25.7 ft
Well Radius: 0.17 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 4.125E-6 cm/sec
y0 = 0.91 ft



PHASE 3 RI - HYDRAULIC CONDUCTIVITY EVALUATION

Data Set: I:\...\MW-12-21_R_Bouwer.aqt
Date: 04/15/22 Time: 13:23:27

PROJECT INFORMATION

Company: Ramboll
Client: NYSDEC
Project: 49512
Location: Watertown, NY
Test Well: MW-12-21-R
Test Date: 7/1/2020

AQUIFER DATA

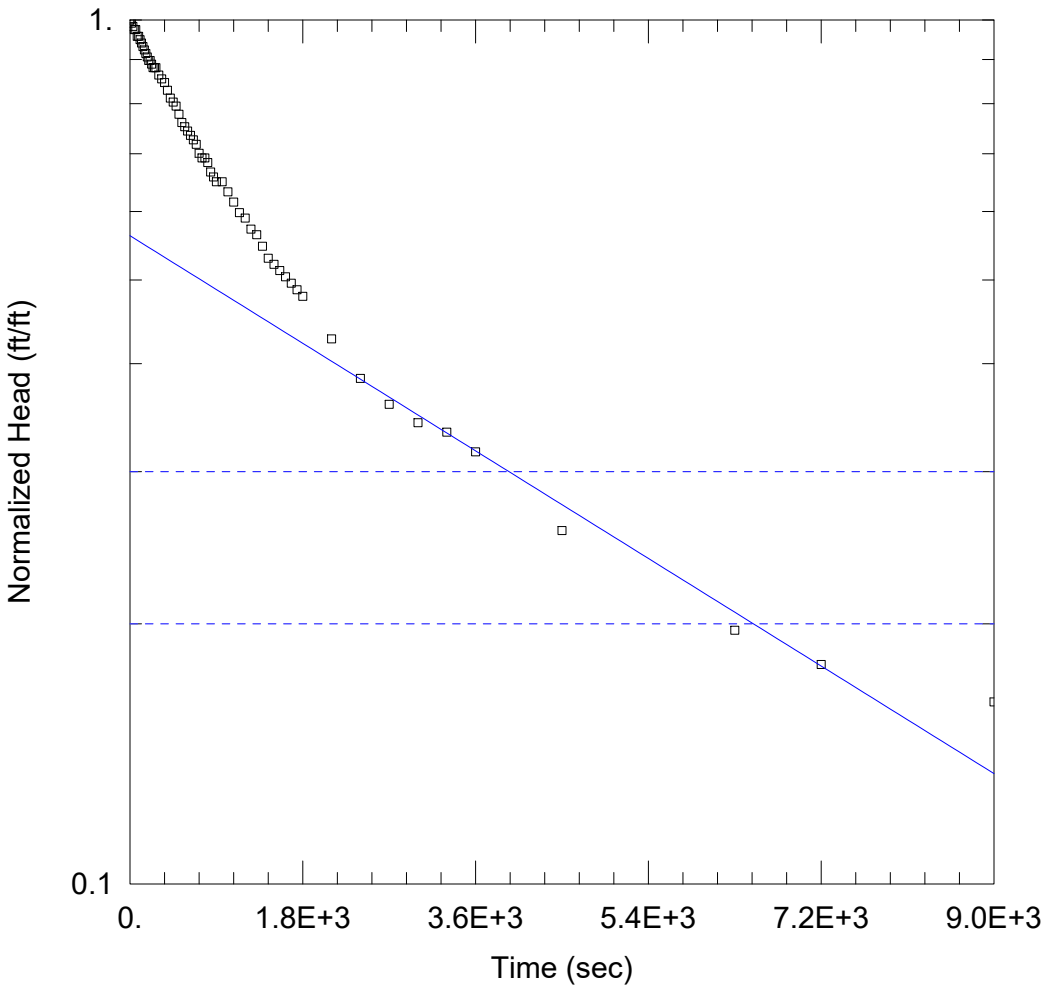
Saturated Thickness: 10.63 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-12-21)

Initial Displacement: 1.2 ft
Total Well Penetration Depth: 10.63 ft
Casing Radius: 0.16 ft
Static Water Column Height: 10.63 ft
Screen Length: 10.63 ft
Well Radius: 0.17 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 6.091E-5 cm/sec
y0 = 0.85 ft



PHASE 3 RI - HYDRAULIC CONDUCTIVITY EVALUATION

Data Set: I:\...\MW-12-24_R_Bouwer_Rev.aqt
Date: 03/08/24 Time: 17:35:07

PROJECT INFORMATION

Company: Ramboll
Client: NYSDEC
Project: 49512
Location: Watertown, NY
Test Well: MW-12-24-R
Test Date: 6/29/2020

AQUIFER DATA

Saturated Thickness: 1.18 ft Anisotropy Ratio (Kz/Kr): 1.

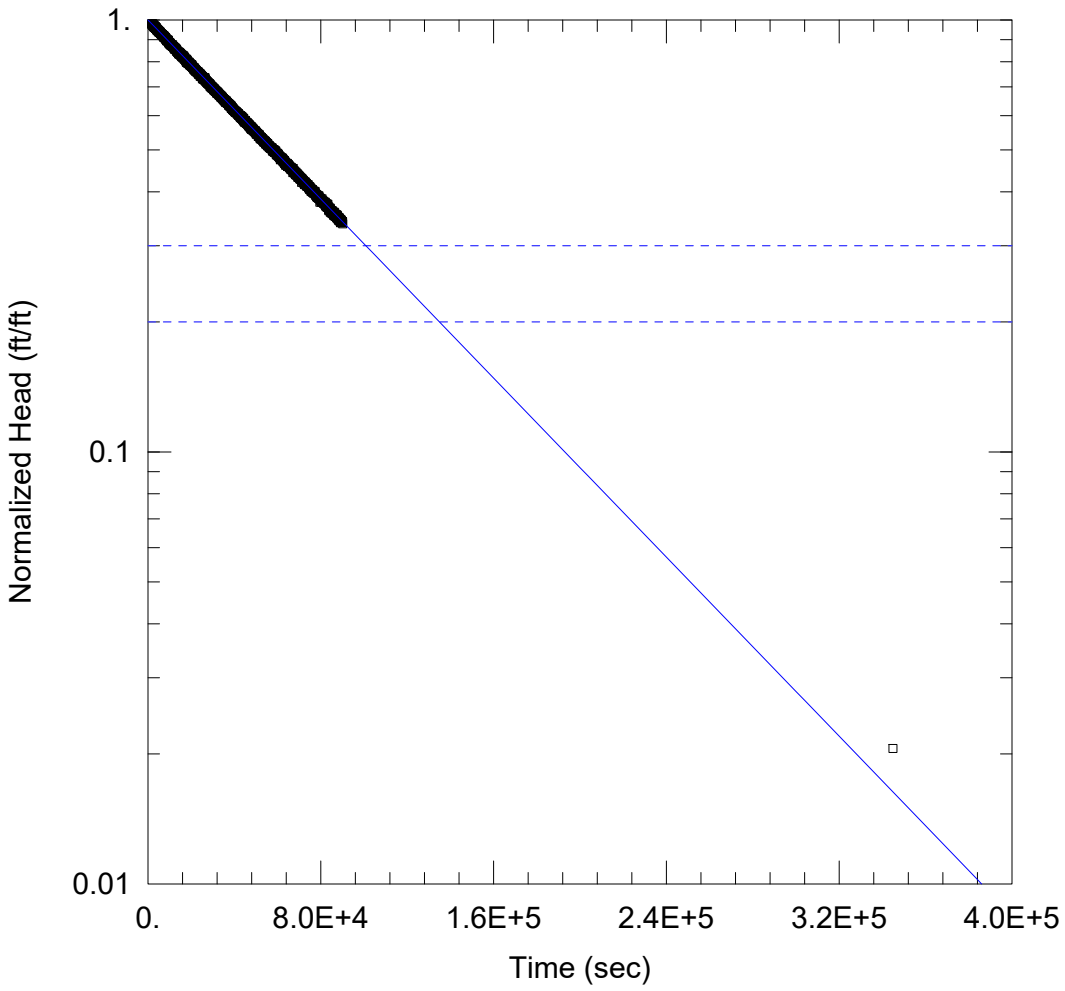
WELL DATA (MW-12-24)

Initial Displacement: 1.17 ft
Total Well Penetration Depth: 1.18 ft
Casing Radius: 0.16 ft
Static Water Column Height: 1.18 ft
Screen Length: 1.18 ft
Well Radius: 0.17 ft

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 7.294E-5 cm/sec
y0 = 0.6582 ft



PHASE 3 RI - HYDRAULIC CONDUCTIVITY EVALUATION

Data Set: I:\...\MW-12-27_F_Bouwer.aqt
Date: 04/15/22 Time: 13:34:15

PROJECT INFORMATION

Company: Ramboll
Client: NYSDEC
Project: 49512
Location: Watertown, NY
Test Well: MW-12-27-R
Test Date: 7/2/2020

AQUIFER DATA

Saturated Thickness: 25.58 ft Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-12-27)

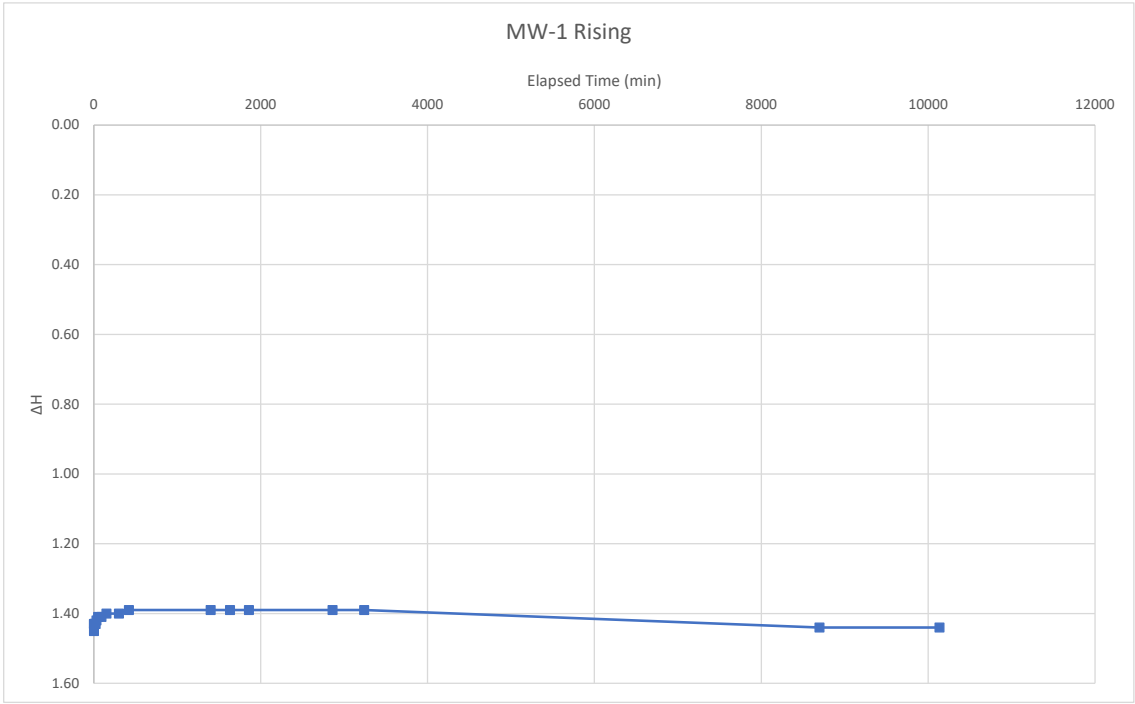
Initial Displacement: 1.02 ft
Total Well Penetration Depth: 21.5 ft
Casing Radius: 0.16 ft
Static Water Column Height: 25.58 ft
Screen Length: 21.5 ft
Well Radius: 0.17 ft

SOLUTION

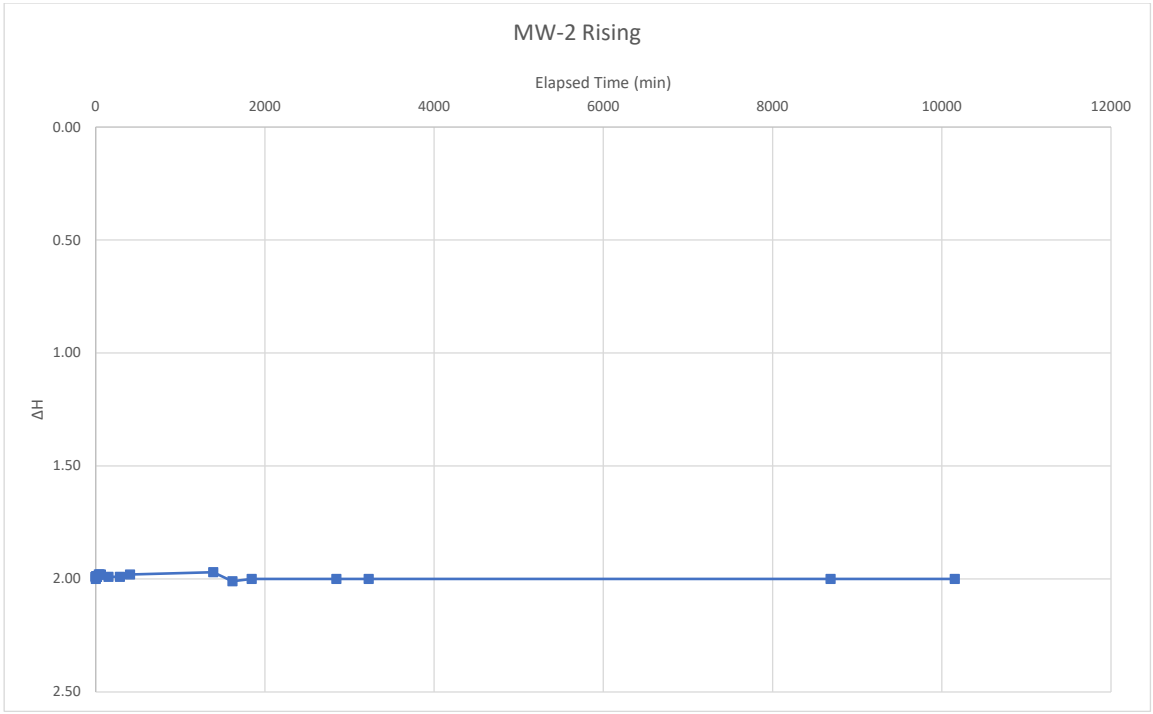
Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 7.526E-7 cm/sec
y0 = 1.02 ft

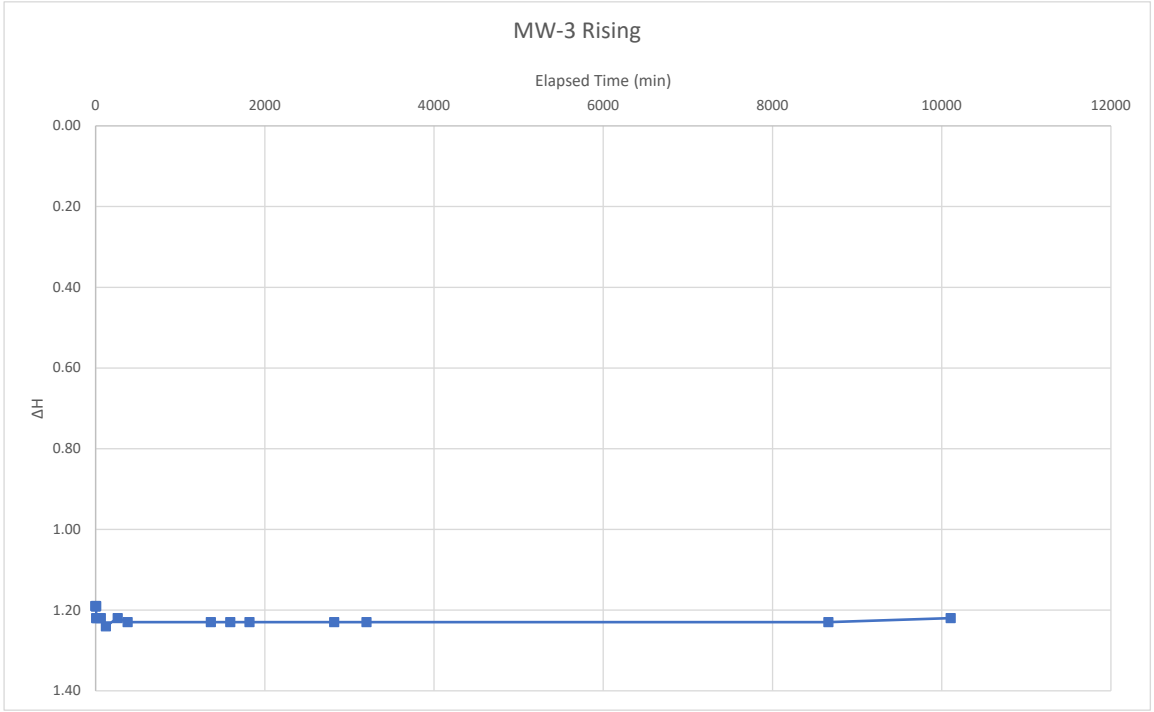
MW-1 Rising	Static Initiation	6.15 6/30/2020 9:30		
Time	ET (min)	DTW	ΔH	%REC
	0	7.60	1.45	0.00
	0.5	7.58	1.43	0.01
	1	7.58	1.43	0.01
	1.5	7.58	1.43	0.01
	2	7.58	1.43	0.01
	2.5	7.58	1.43	0.01
	3	7.58	1.43	0.01
	4	7.58	1.43	0.01
	5	7.58	1.43	0.01
	10	7.58	1.43	0.01
	20	7.58	1.43	0.01
	30	7.57	1.42	0.02
	50	7.56	1.41	0.03
	90	7.56	1.41	0.03
	150	7.55	1.40	0.03
	300	7.55	1.40	0.03
	420	7.54	1.39	0.04
7/1/2020 8:50	1400	7.54	1.39	0.04
7/1/2020 12:40	1630	7.54	1.39	0.04
7/1/2020 16:27	1857	7.54	1.39	0.04
7/2/2020 9:09	2859	7.54	1.39	0.04
7/2/2020 15:30	3240	7.54	1.39	0.04
7/6/2020 10:26	8696	7.59	1.44	0.01
7/7/2020 10:25	10135	7.59	1.44	0.01



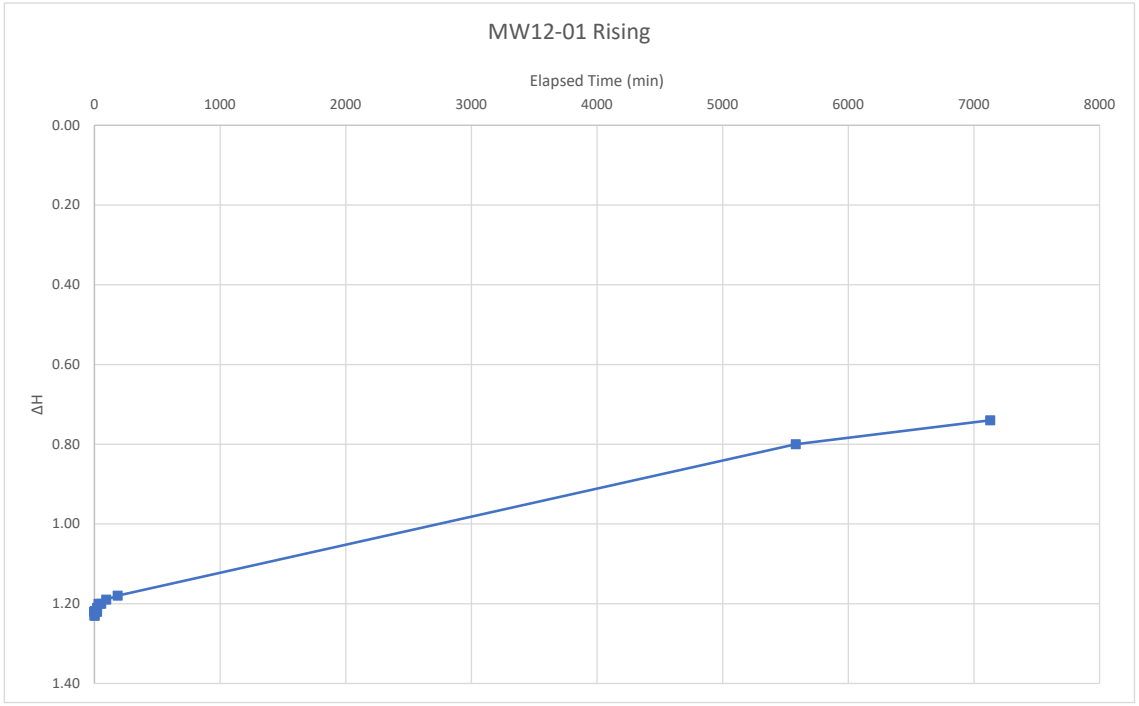
MW-2 Rising	Static	8.99		
	Initiation	6/30/2020 9:49		
Time	ET (min)	DTW	ΔH	%REC
	0	10.99	2.00	0.00
	0.5	10.98	1.99	0.00
	1	10.98	1.99	0.00
	1.5	10.98	1.99	0.00
	2	10.98	1.99	0.00
	3	10.98	1.99	0.00
	4	10.98	1.99	0.00
	5	10.98	1.99	0.00
	6	10.98	1.99	0.00
	8	10.98	1.99	0.00
	9	10.98	1.99	0.00
	10	10.98	1.99	0.00
	11	10.98	1.99	0.00
	12	10.98	1.99	0.00
	13	10.98	1.99	0.00
	14	10.98	1.99	0.00
	15	10.98	1.99	0.00
	35	10.97	1.98	0.01
	45	10.97	1.98	0.01
	60	10.97	1.98	0.01
	150	10.98	1.99	0.00
	286	10.98	1.99	0.00
	405	10.97	1.98	0.01
7/1/2020 8:57	1388	10.96	1.97	0.01
7/1/2020 12:44	1615	11.00	2.01	0.00
7/1/2020 16:33	1844	10.99	2.00	0.00
7/2/2020 9:14	2845	10.99	2.00	0.00
7/2/2020 15:35	3226	10.99	2.00	0.00
7/6/2020 10:33	8684	10.99	2.00	0.00
7/7/2020 11:01	10152	10.99	2.00	0.00



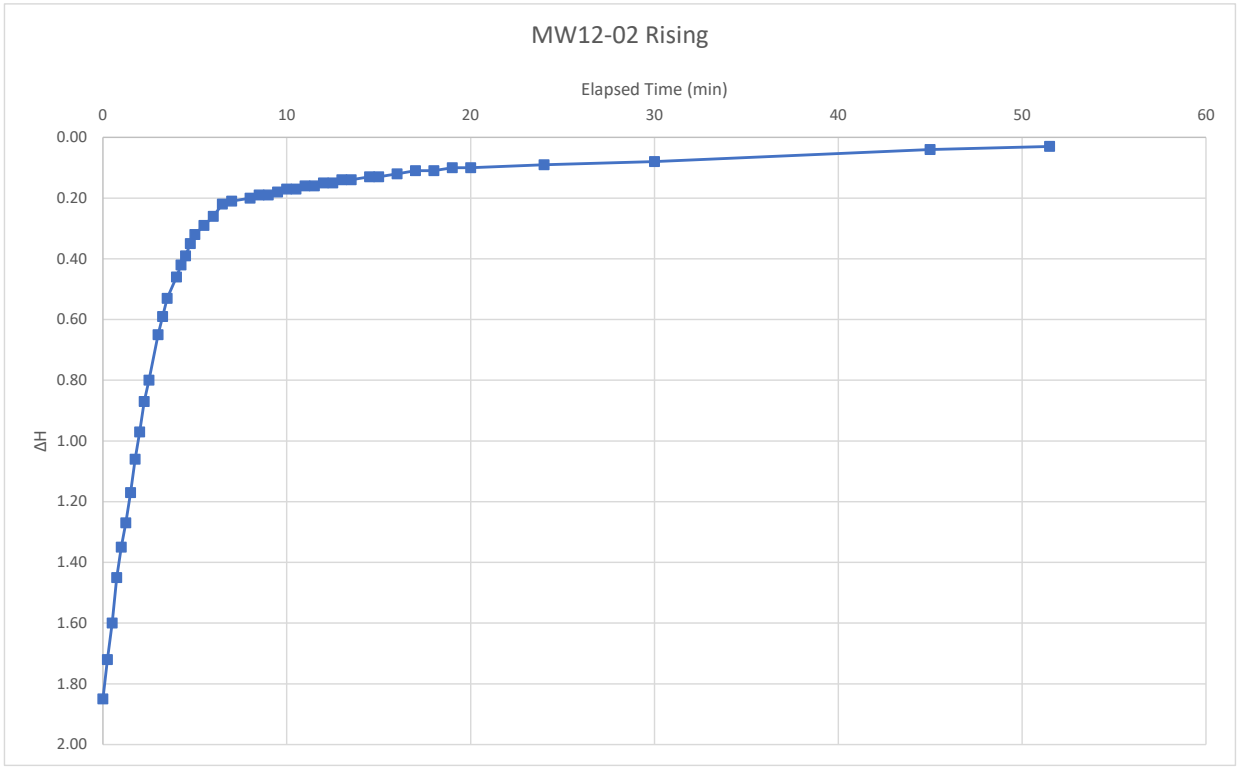
MW-3 Rising	Static Initiation	9.76 6/30/20 10:12 AM		
Time	ET (min)	DTW	ΔH	%REC
	0	10.95	1.19	0.00
	0.5	10.95	1.19	0.00
	1	10.95	1.19	0.00
	2	10.95	1.19	0.00
	3	10.95	1.19	0.00
	4	10.95	1.19	0.00
	5	10.95	1.19	0.00
	6	10.98	1.22	-0.03
	15	10.98	1.22	-0.03
	60	10.98	1.22	-0.03
	120	11.00	1.24	-0.04
	260	10.98	1.22	-0.03
	379	10.99	1.23	-0.03
7/1/2020 8:53	1361	10.99	1.23	-0.03
7/1/2020 12:42	1590	10.99	1.23	-0.03
7/1/2020 16:30	1818	10.99	1.23	-0.03
7/2/2020 9:12	2820	10.99	1.23	-0.03
7/2/2020 15:33	3201	10.99	1.23	-0.03
7/6/2020 10:33	8661	10.99	1.23	-0.03
7/7/2020 10:38	10106	10.98	1.22	-0.03



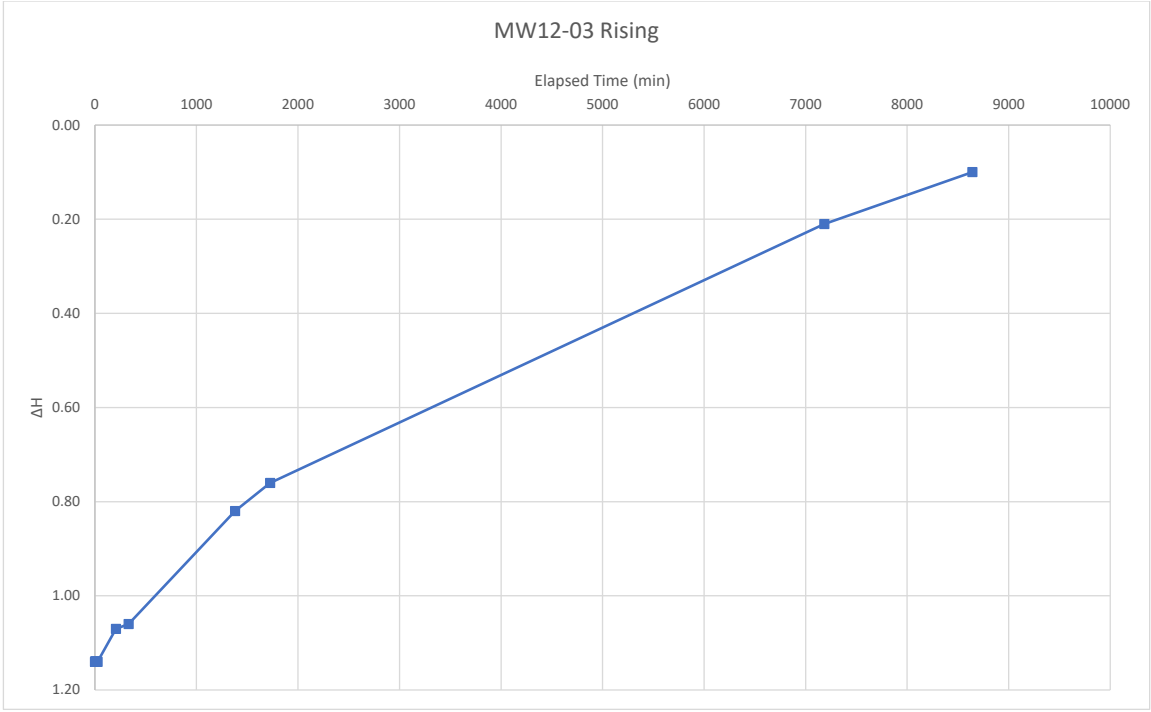
MW12-01 Rising	Static	10.26		
	Initiation	7/2/20 12:48 PM		
Time	ET (min)	DTW	ΔH	%REC
	0	11.49	1.23	0.00
	0.25	11.49	1.23	0.00
	0.5	11.48	1.22	0.01
	0.75	11.48	1.22	0.01
	1	11.48	1.22	0.01
	1.25	11.48	1.22	0.01
	1.5	11.48	1.22	0.01
	1.75	11.48	1.22	0.01
	2	11.48	1.22	0.01
	2.5	11.48	1.22	0.01
	3	11.48	1.22	0.01
	4	11.48	1.22	0.01
	5	11.48	1.22	0.01
	6	11.48	1.22	0.01
	10	11.48	1.22	0.01
	15	11.48	1.22	0.01
	20	11.48	1.22	0.01
	21	11.47	1.21	0.02
7/2/2020 13:21	33	11.46	1.20	0.02
7/2/2020 13:42	54	11.46	1.20	0.02
7/2/2020 14:22	94	11.45	1.19	0.03
7/2/2020 15:52	184	11.44	1.18	0.04
7/6/2020 9:49	5581	11.06	0.80	0.35
7/7/2020 11:37	7129	11.00	0.74	0.40



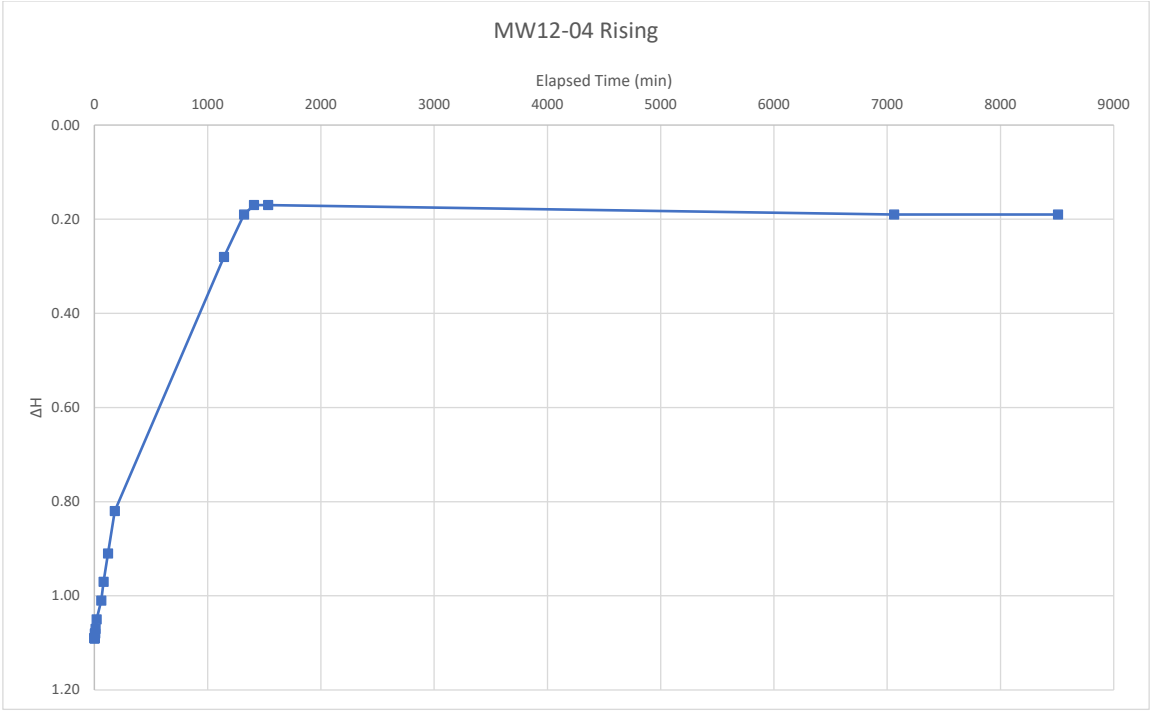
MW12-02 Rising	Static	22.13	
ET (min)	DTW	ΔH	%REC
0	23.98	1.85	0.00
0.25	23.85	1.72	0.07
0.5	23.73	1.60	0.14
0.75	23.58	1.45	0.22
1	23.48	1.35	0.27
1.25	23.40	1.27	0.31
1.5	23.30	1.17	0.37
1.75	23.19	1.06	0.43
2	23.10	0.97	0.48
2.25	23.00	0.87	0.53
2.5	22.93	0.80	0.57
3	22.78	0.65	0.65
3.25	22.72	0.59	0.68
3.5	22.66	0.53	0.71
4	22.59	0.46	0.75
4.25	22.55	0.42	0.77
4.5	22.52	0.39	0.79
4.75	22.48	0.35	0.81
5	22.45	0.32	0.83
5.5	22.42	0.29	0.84
6	22.39	0.26	0.86
6.5	22.35	0.22	0.88
7	22.34	0.21	0.89
8	22.33	0.20	0.89
8.5	22.32	0.19	0.90
9	22.32	0.19	0.90
9.5	22.31	0.18	0.90
10	22.30	0.17	0.91
10.5	22.30	0.17	0.91
11	22.29	0.16	0.91
11.5	22.29	0.16	0.91
12	22.28	0.15	0.92
12.5	22.28	0.15	0.92
13	22.27	0.14	0.92
13.5	22.27	0.14	0.92
14.5	22.26	0.13	0.93
15	22.26	0.13	0.93
16	22.25	0.12	0.94
17	22.24	0.11	0.94
18	22.24	0.11	0.94
19	22.23	0.10	0.95
20	22.23	0.10	0.95
24	22.22	0.09	0.95
30	22.21	0.08	0.96
45	22.17	0.04	0.98
51.5	22.16	0.03	0.98



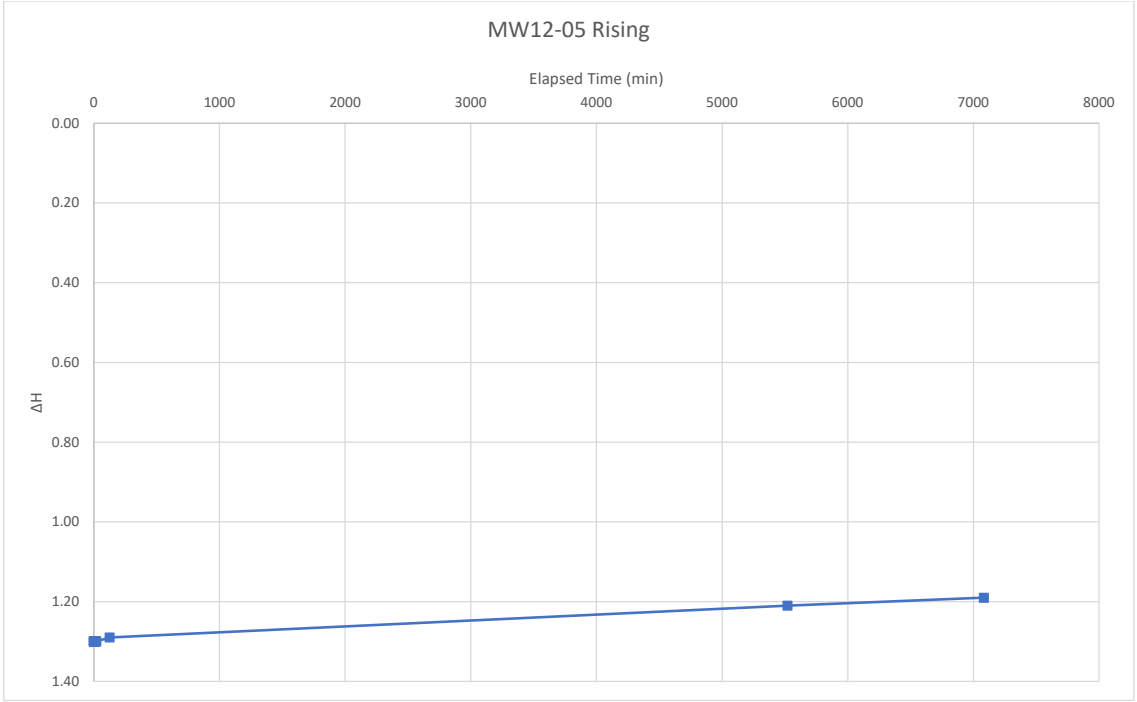
MW12-03 Rising	Static	8.74		
	Initiation	7/1/2020 11:44		
Time	ET (min)	DTW	ΔH	%REC
	0	9.88	1.14	0.00
	0.5	9.88	1.14	0.00
	1	9.88	1.14	0.00
	2	9.88	1.14	0.00
	3	9.88	1.14	0.00
	4	9.88	1.14	0.00
	5	9.88	1.14	0.00
	6	9.88	1.14	0.00
	7	9.88	1.14	0.00
	10	9.88	1.14	0.00
	25	9.88	1.14	0.00
	207	9.81	1.07	0.06
	332	9.80	1.06	0.07
7/2/2020 10:43	1379	9.56	0.82	0.28
7/2/2020 16:30	1726	9.50	0.76	0.33
7/6/2020 11:27	7183	8.95	0.21	0.82
7/7/2020 11:46	8642	8.84	0.10	0.91



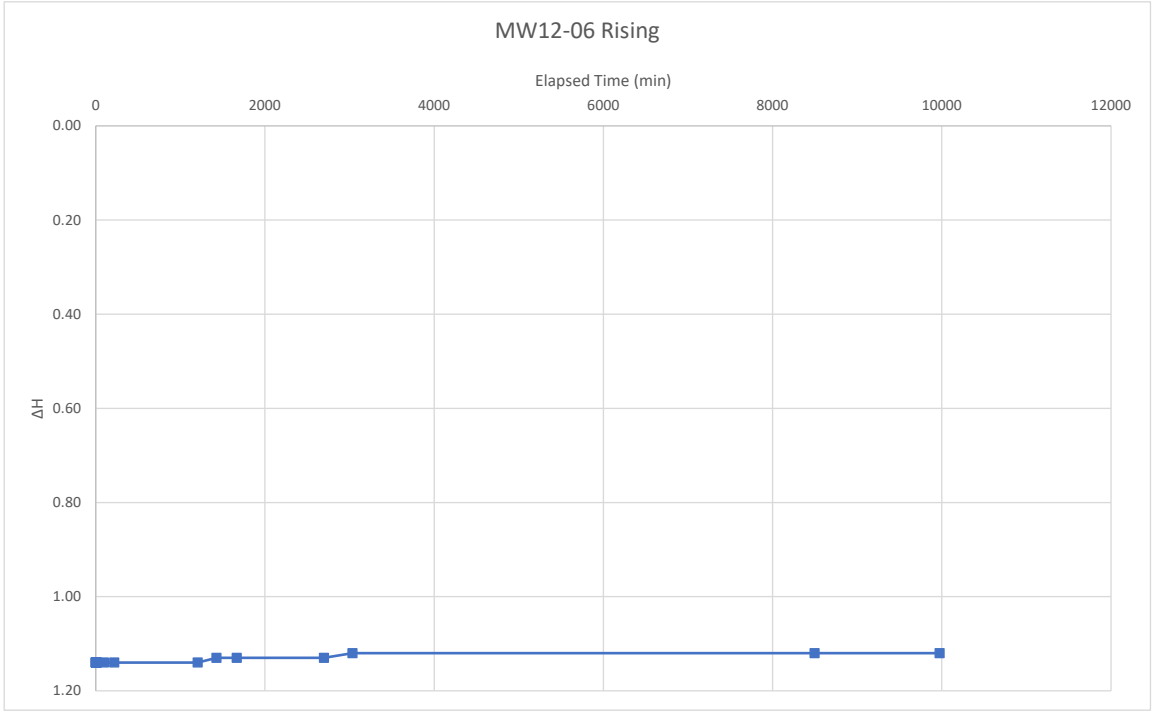
MW12-04 Rising	Static Initiation	6.04 7/1/2020 13:57		
Time	ET (min)	DTW	ΔH	%REC
	0	7.13	1.09	0.00
	0.5	7.13	1.09	0.00
	1	7.13	1.09	0.00
	2	7.13	1.09	0.00
	3	7.13	1.09	0.00
	4	7.12	1.08	0.01
	5	7.12	1.08	0.01
	6	7.12	1.08	0.01
	10	7.11	1.07	0.02
	20	7.09	1.05	0.04
	60	7.05	1.01	0.07
	81	7.01	0.97	0.11
	120	6.95	0.91	0.17
	180	6.86	0.82	0.25
7/2/2020 9:00	1143	6.32	0.28	0.74
7/2/2020 11:58	1321	6.23	0.19	0.83
7/2/2020 13:25	1408	6.21	0.17	0.84
7/2/2020 15:30	1533	6.21	0.17	0.84
7/6/2020 11:37	7060	6.23	0.19	0.83
7/7/2020 11:44	8507	6.23	0.19	0.83



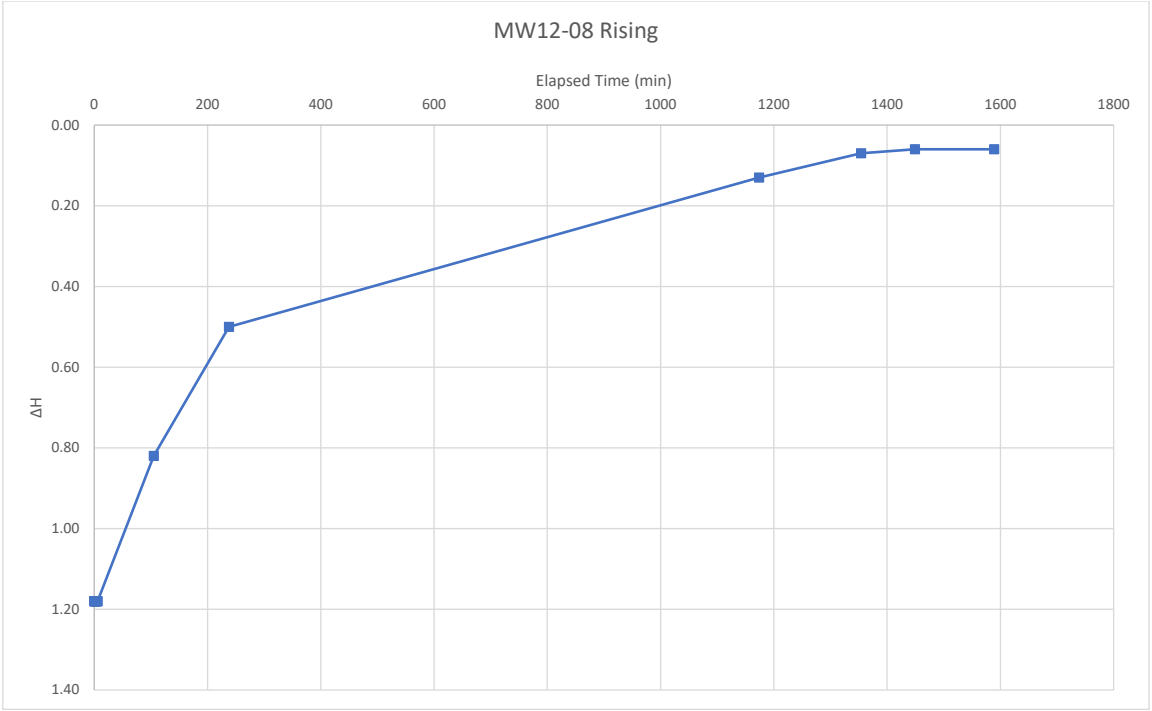
MW12-05 Rising	Static Initiation	16.12 7/2/20 1:54 PM		
Time	ET (min)	DTW	ΔH	%REC
	0	17.42	1.30	0.00
	0.25	17.42	1.30	0.00
	0.5	17.42	1.30	0.00
	0.75	17.42	1.30	0.00
	1	17.42	1.30	0.00
	1.5	17.42	1.30	0.00
	2	17.42	1.30	0.00
	3	17.42	1.30	0.00
	4	17.42	1.30	0.00
	5	17.42	1.30	0.00
	6	17.42	1.30	0.00
	10	17.42	1.30	0.00
	13	17.42	1.30	0.00
	16	17.42	1.30	0.00
	20	17.42	1.30	0.00
7/2/2020 16:00	126	17.41	1.29	0.01
7/6/2020 9:55	5521	17.33	1.21	0.07
7/7/2020 11:57	7083	17.31	1.19	0.08



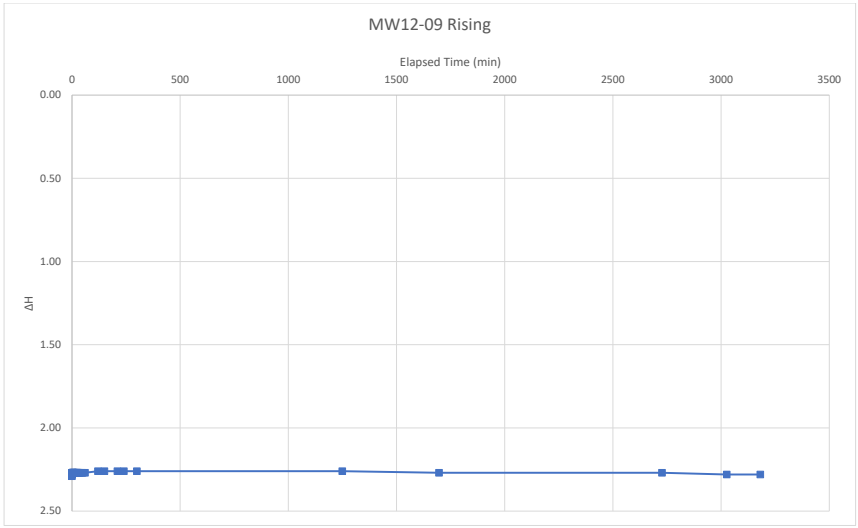
MW12-06 Rising	Static Initiation	8.68 6/30/2020 13:06		
Time	ET (min)	DTW	ΔH	%REC
	0	9.82	1.14	0.00
	1	9.82	1.14	0.00
	2	9.82	1.14	0.00
	3	9.82	1.14	0.00
	4	9.82	1.14	0.00
	5	9.82	1.14	0.00
	6	9.82	1.14	0.00
	7	9.82	1.14	0.00
	10	9.82	1.14	0.00
	12	9.82	1.14	0.00
	97	9.82	1.14	0.00
	218	9.82	1.14	0.00
7/1/2020 9:10	1204	9.82	1.14	0.00
7/1/2020 12:53	1427	9.81	1.13	0.01
7/1/2020 16:53	1667	9.81	1.13	0.01
7/2/2020 10:05	2699	9.81	1.13	0.01
7/2/2020 15:40	3034	9.80	1.12	0.02
7/6/2020 10:43	8497	9.80	1.12	0.02
7/7/2020 11:20	9974	9.80	1.12	0.02



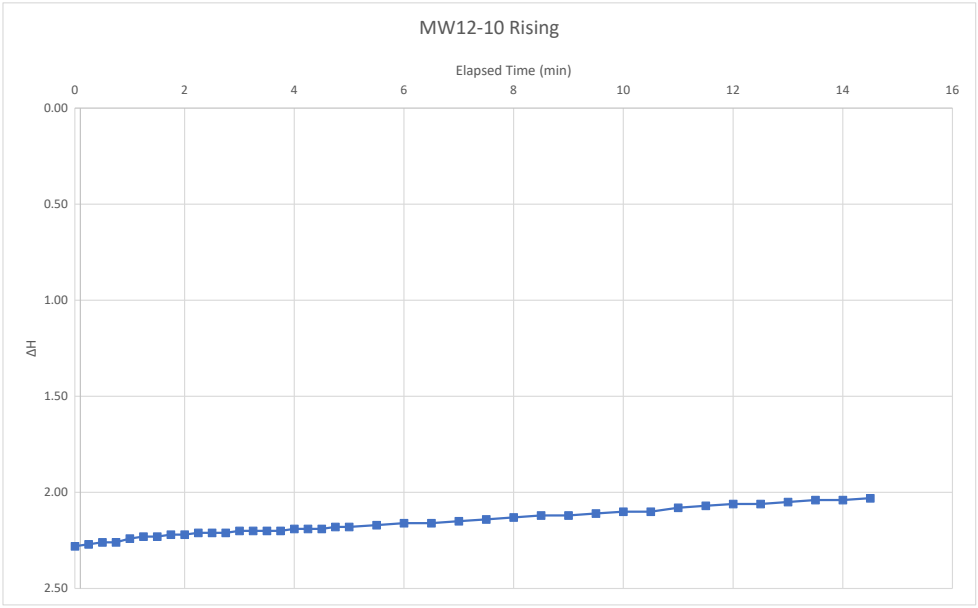
MW12-08 Rising	Static	5.15		
	Initiation	7/1/2020 13:16		
Time	ET (min)	DTW	ΔH	%REC
	0	6.33	1.18	0.00
	0.25	6.33	1.18	0.00
	0.5	6.33	1.18	0.00
	1	6.33	1.18	0.00
	2	6.33	1.18	0.00
	3	6.33	1.18	0.00
	4	6.33	1.18	0.00
	5	6.33	1.18	0.00
	6	6.33	1.18	0.00
	105	5.97	0.82	0.31
	238	5.65	0.50	0.58
7/2/2020 8:50	1174	5.28	0.13	0.89
7/2/2020 11:50	1354	5.22	0.07	0.94
7/2/2020 13:25	1449	5.21	0.06	0.95
7/2/2020 15:45	1589	5.21	0.06	0.95



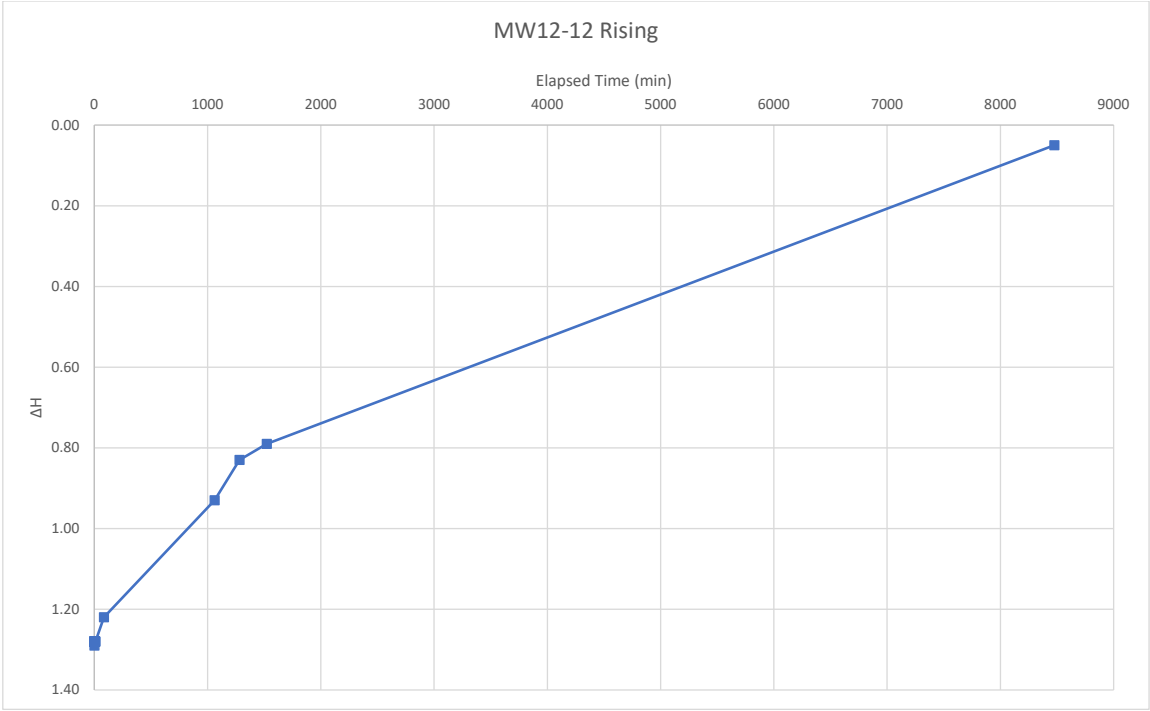
MW12-09 Rising	Static	10.53		
	Initiation	6/29/2020 12:04		
Time	ET (min)	DTW	ΔH	%REC
	0	12.82	2.29	0.00
	0.25	12.81	2.28	0.00
	0.5	12.81	2.28	0.00
	0.75	12.81	2.28	0.00
	1	12.80	2.27	0.01
	1.25	12.80	2.27	0.01
	1.5	12.80	2.27	0.01
	1.75	12.80	2.27	0.01
	2	12.80	2.27	0.01
	2.25	12.80	2.27	0.01
	2.5	12.80	2.27	0.01
	2.75	12.80	2.27	0.01
	3	12.80	2.27	0.01
	3.25	12.80	2.27	0.01
	3.5	12.80	2.27	0.01
	3.75	12.80	2.27	0.01
	4	12.80	2.27	0.01
	4.25	12.80	2.27	0.01
	4.5	12.80	2.27	0.01
	4.75	12.80	2.27	0.01
	5	12.80	2.27	0.01
	5.5	12.80	2.27	0.01
	6	12.80	2.27	0.01
	6.5	12.80	2.27	0.01
	7	12.80	2.27	0.01
	7.5	12.80	2.27	0.01
	8	12.80	2.27	0.01
	8.5	12.80	2.27	0.01
	9	12.80	2.27	0.01
	10	12.80	2.27	0.01
	11	12.80	2.27	0.01
	12	12.80	2.27	0.01
	13	12.80	2.27	0.01
	14	12.80	2.27	0.01
	15	12.80	2.27	0.01
	16	12.80	2.27	0.01
	21	12.80	2.27	0.01
	26	12.80	2.27	0.01
	30	12.80	2.27	0.01
	20	12.80	2.27	0.01
	21	12.80	2.27	0.01
	22	12.80	2.27	0.01
	23	12.80	2.27	0.01
	24	12.80	2.27	0.01
	25	12.80	2.27	0.01
	26	12.80	2.27	0.01
	27	12.80	2.27	0.01
	28	12.80	2.27	0.01
	29	12.80	2.27	0.01
	30	12.80	2.27	0.01
	35	12.80	2.27	0.01
	45	12.80	2.27	0.01
	50	12.80	2.27	0.01
	60	12.80	2.27	0.01
	120	12.79	2.26	0.01
	150	12.79	2.26	0.01
	210	12.79	2.26	0.01
	240	12.79	2.26	0.01
	300	12.79	2.26	0.01
6/30/2020 8:53	1249	12.79	2.26	0.01
6/30/2020 16:20	1696	12.80	2.27	0.01
7/1/2020 9:31	2727	12.80	2.27	0.01
7/1/2020 14:30	3026	12.81	2.28	0.00
7/1/2020 17:05	3181	12.81	2.28	0.00
7/2/2020 10:08	4204	12.80	2.27	0.01
7/2/2020 16:12	4568	12.79	2.26	0.01
7/6/2020 11:10	10026	12.80	2.27	0.01
7/7/2020 12:10	11526	12.80	2.27	0.01



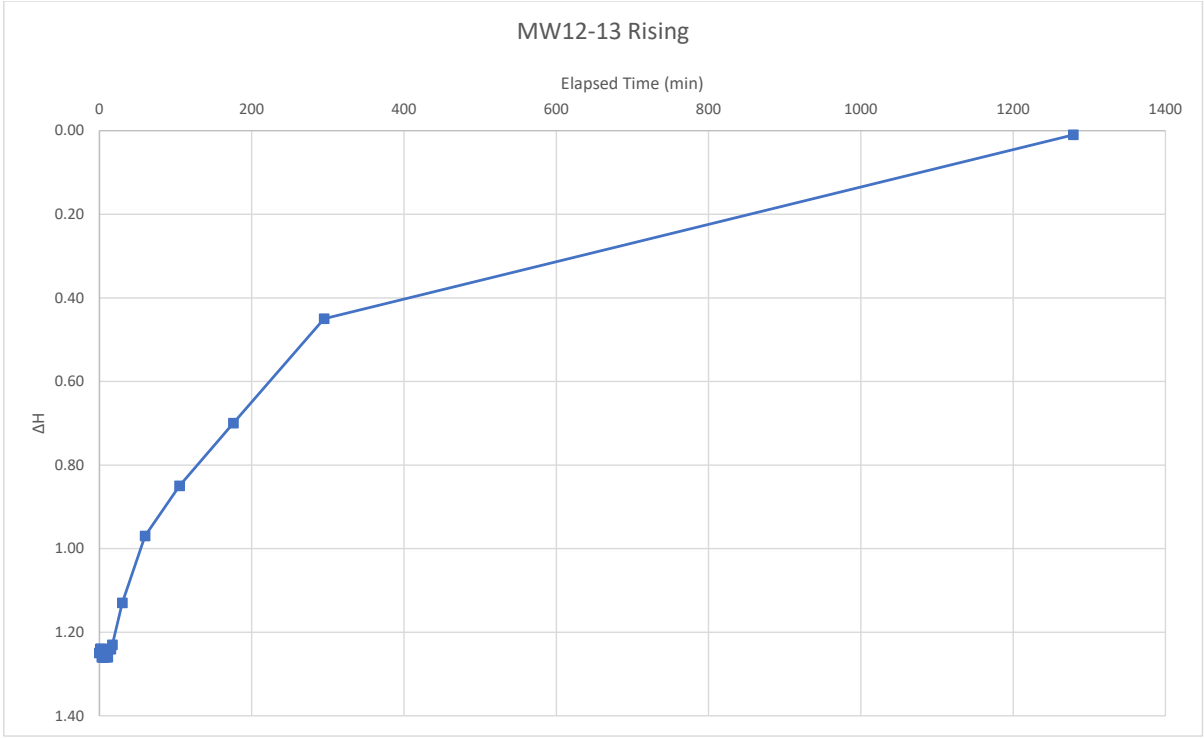
MW12-10 Rising	Static	12.82					
ET (min)	DTW	ΔH	%REC	ET (min)	DTW	ΔH	%REC
0	15.10	2.28	0.00	15	14.85	2.03	0.11
0.25	15.09	2.27	0.00	16	14.84	2.02	0.11
0.5	15.08	2.26	0.01	17	14.83	2.01	0.12
0.75	15.08	2.26	0.01	18	14.81	1.99	0.13
1	15.06	2.24	0.02	19	14.80	1.98	0.13
1.25	15.05	2.23	0.02	20	14.79	1.97	0.14
1.5	15.05	2.23	0.02	21	14.77	1.95	0.14
1.75	15.04	2.22	0.03	22	14.75	1.93	0.15
2	15.04	2.22	0.03	23	14.74	1.92	0.16
2.25	15.03	2.21	0.03	24	14.73	1.91	0.16
2.5	15.03	2.21	0.03	25	14.72	1.90	0.17
2.75	15.03	2.21	0.03	26	14.70	1.88	0.18
3	15.02	2.20	0.04	27	14.69	1.87	0.18
3.25	15.02	2.20	0.04	28	14.68	1.86	0.18
3.5	15.02	2.20	0.04	29	14.68	1.86	0.18
3.75	15.02	2.20	0.04	30	14.66	1.84	0.19
4	15.01	2.19	0.04	35	14.60	1.78	0.22
4.25	15.01	2.19	0.04	40	14.53	1.71	0.25
4.5	15.01	2.19	0.04	45	14.47	1.65	0.28
4.75	15.00	2.18	0.04	50	14.42	1.6	0.30
5	15.00	2.18	0.04	55	14.38	1.56	0.32
5.5	14.99	2.17	0.05	60	14.33	1.51	0.34
6	14.98	2.16	0.05	75	14.13	1.31	0.43
6.5	14.98	2.16	0.05	90	14.07	1.25	0.45
7	14.97	2.15	0.06	105	13.96	1.14	0.50
7.5	14.96	2.14	0.06	120	13.85	1.03	0.55
8	14.95	2.13	0.07	150	13.65	0.83	0.64
8.5	14.94	2.12	0.07	180	13.50	0.68	0.70
9	14.94	2.12	0.07	210	13.43	0.61	0.73
9.5	14.93	2.11	0.07	240	13.36	0.54	0.76
10	14.92	2.10	0.08	300	13.19	0.37	0.84
10.5	14.92	2.10	0.08	360	13.08	0.26	0.89
11	14.90	2.08	0.09	1016	12.68	-0.14	1.06
11.5	14.89	2.07	0.09				
12	14.88	2.06	0.10				
12.5	14.88	2.06	0.10				
13	14.87	2.05	0.10				
13.5	14.86	2.04	0.11				
14	14.86	2.04	0.11				
14.5	14.85	2.03	0.11				



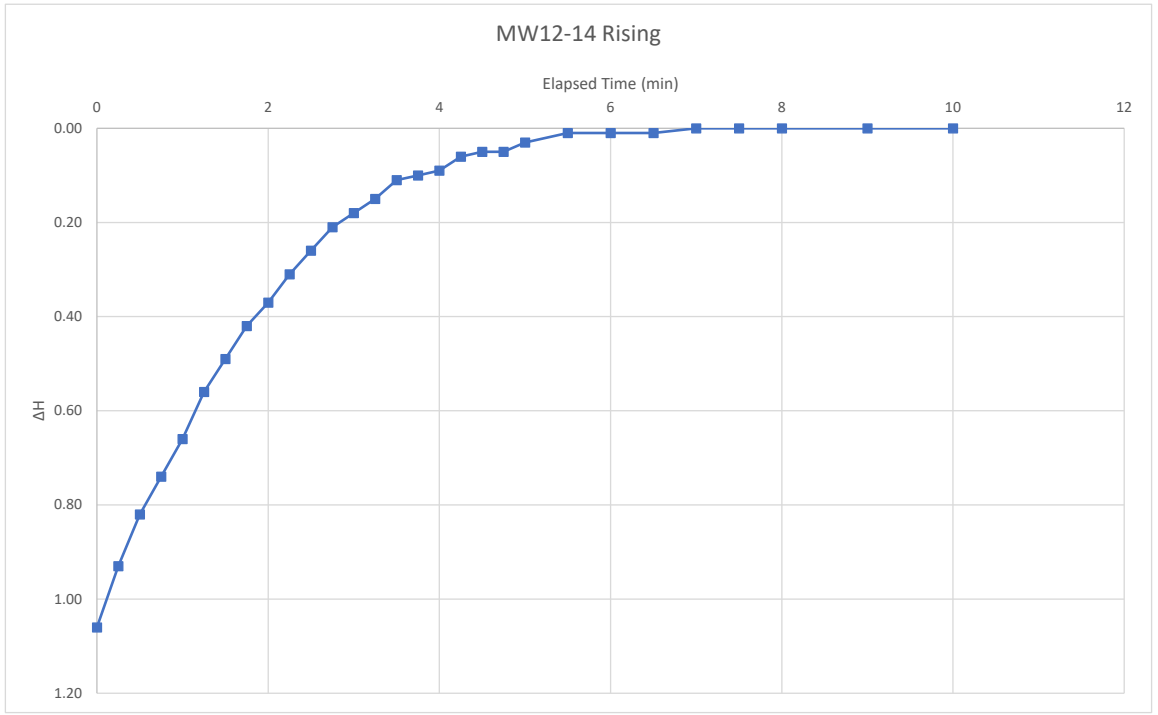
MW12-12 Rising	Static	12.60		
	Initiation	6/30/2020 15:38		
	ET (min)	DTW	ΔH	%REC
	0	13.89	1.29	0.00
	0.25	13.88	1.28	0.01
	0.5	13.88	1.28	0.01
	0.75	13.88	1.28	0.01
	1	13.88	1.28	0.01
	1.25	13.88	1.28	0.01
	1.5	13.88	1.28	0.01
	1.75	13.88	1.28	0.01
	2	13.88	1.28	0.01
	3	13.88	1.28	0.01
	4	13.88	1.28	0.01
	5	13.88	1.28	0.01
	6	13.88	1.28	0.01
	10	13.88	1.28	0.01
	84	13.82	1.22	0.05
7/1/2020 9:20	1062	13.53	0.93	0.28
7/1/2020 13:00	1282	13.43	0.83	0.36
7/1/2020 17:00	1522	13.39	0.79	0.39
7/6/2020 12:54	8476	12.65	0.05	0.96



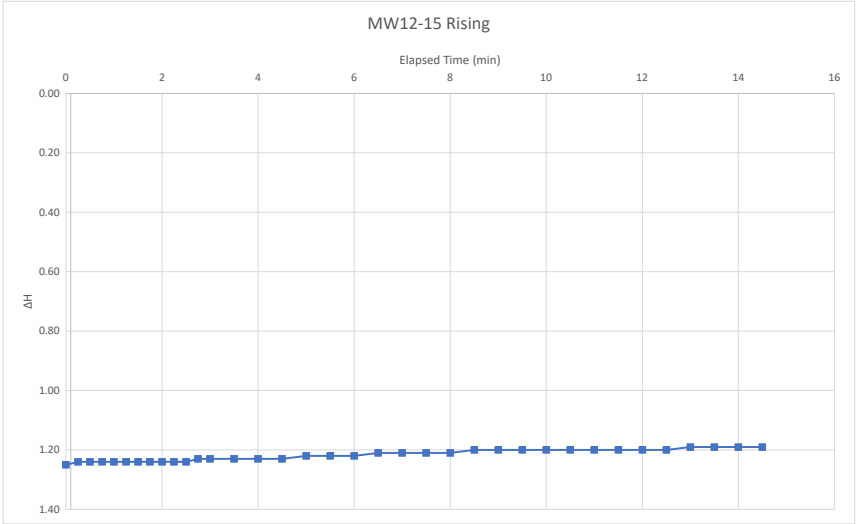
MW12-13 Rising	Static Initiation	6.55 6/30/2020 11:44	
ET (min)	DTW	ΔH	%REC
0	7.80	1.25	0.00
1	7.79	1.24	0.01
1.5	7.79	1.24	0.01
2	7.79	1.24	0.01
3	7.81	1.26	-0.01
4	7.81	1.26	-0.01
5	7.81	1.26	-0.01
6	7.81	1.26	-0.01
9	7.81	1.26	-0.01
11	7.81	1.26	-0.01
14	7.79	1.24	0.01
15	7.79	1.24	0.01
17	7.78	1.23	0.02
30	7.68	1.13	0.10
60	7.52	0.97	0.22
105	7.40	0.85	0.32
176	7.25	0.70	0.44
295	7.00	0.45	0.64
1279	6.56	0.01	0.99



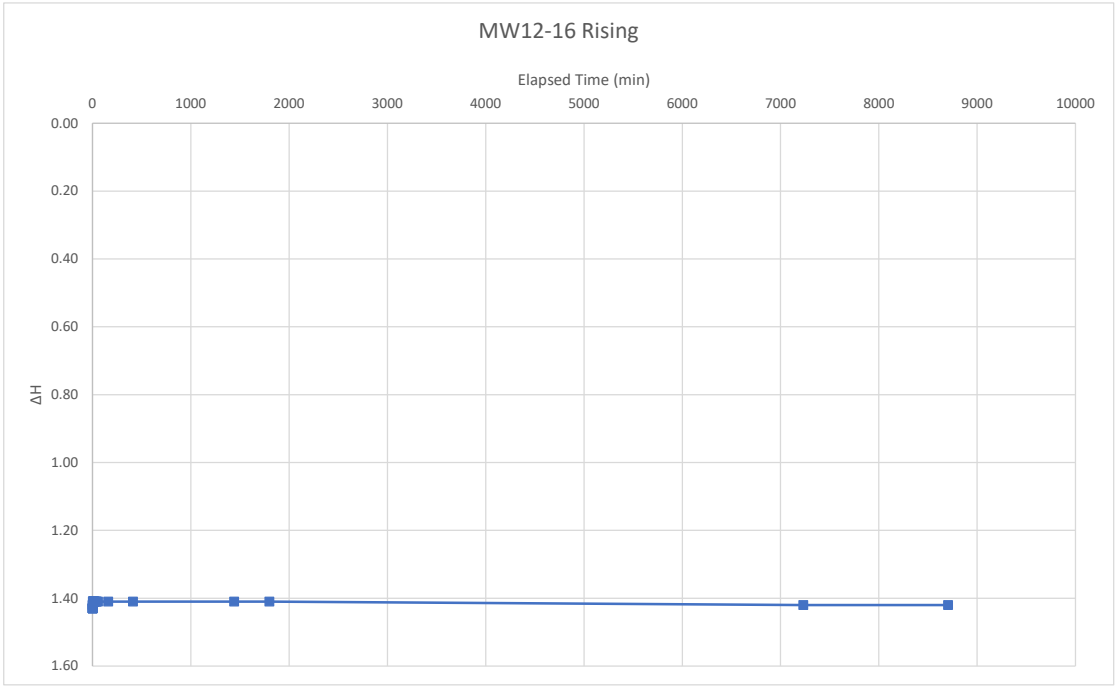
MW12-14 Rising	Static	26.01		
	Initiation	6/29/2020 13:37		
	ET (min)	DTW	ΔH	%REC
	0	27.05	1.06	0.00
	0.25	26.92	0.93	0.12
	0.5	26.81	0.82	0.23
	0.75	26.73	0.74	0.30
	1	26.65	0.66	0.38
	1.25	26.55	0.56	0.47
	1.5	26.48	0.49	0.54
	1.75	26.41	0.42	0.60
	2	26.36	0.37	0.65
	2.25	26.30	0.31	0.71
	2.5	26.25	0.26	0.75
	2.75	26.20	0.21	0.80
	3	26.17	0.18	0.83
	3.25	26.14	0.15	0.86
	3.5	26.10	0.11	0.90
	3.75	26.09	0.10	0.91
	4	26.08	0.09	0.92
	4.25	26.05	0.06	0.94
	4.5	26.04	0.05	0.95
	4.75	26.04	0.05	0.95
	5	26.02	0.03	0.97
	5.5	26.00	0.01	0.99
	6	26.00	0.01	0.99
	6.5	26.00	0.01	0.99
	7	25.99	0.00	1.00
	7.5	25.99	0.00	1.00
	8	25.99	0.00	1.00
	9	25.99	0.00	1.00
	10	25.99	0.00	1.00



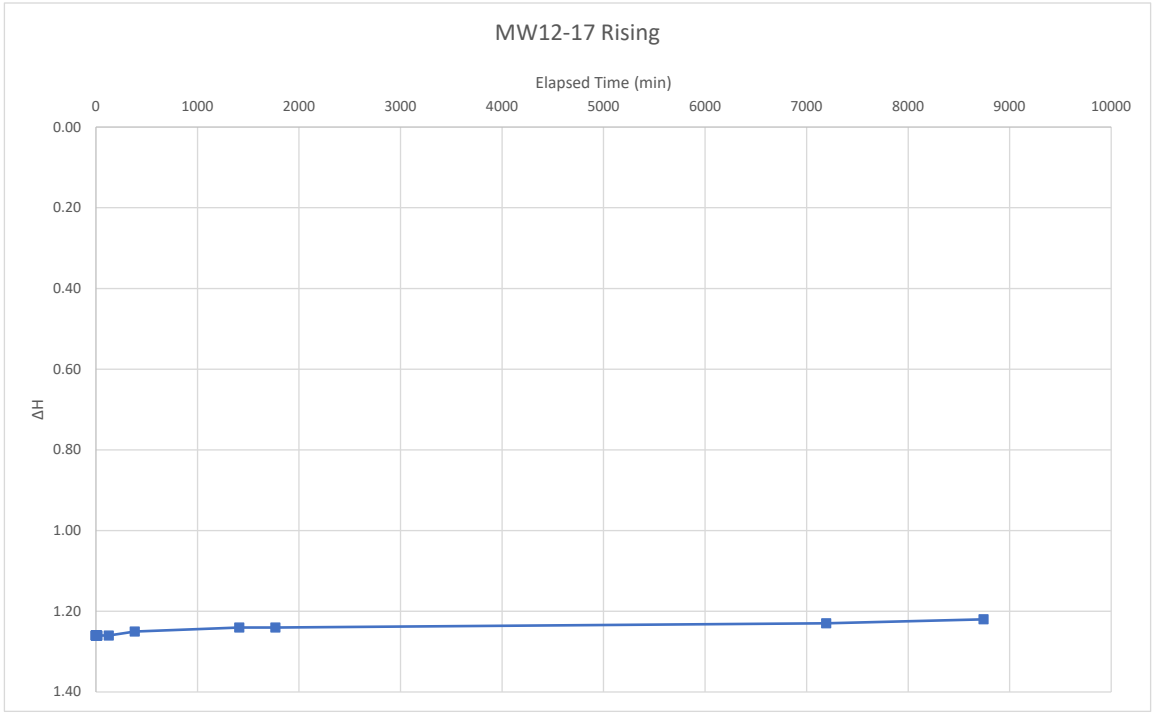
MW12-15 Rising	Static	4.92							
	Initiation	7/7/2020 9:18							
	ET (min)	DTW	ΔH	%REC		ET (min)	DTW	ΔH	%REC
	0	6.17	1.25	0.00		15	6.11	1.19	0.05
	0.25	6.16	1.24	0.01		16	6.11	1.19	0.05
	0.5	6.16	1.24	0.01		17	6.11	1.19	0.05
	0.75	6.16	1.24	0.01		18	6.11	1.19	0.05
	1	6.16	1.24	0.01		19	6.11	1.19	0.05
	1.25	6.16	1.24	0.01		20	6.11	1.19	0.05
	1.5	6.16	1.24	0.01		21	6.10	1.18	0.06
	1.75	6.16	1.24	0.01		22	6.10	1.18	0.06
	2	6.16	1.24	0.01		23	6.10	1.18	0.06
	2.25	6.16	1.24	0.01		24	6.10	1.18	0.06
	2.5	6.16	1.24	0.01		25	6.09	1.17	0.06
	2.75	6.15	1.23	0.02		26	6.09	1.17	0.06
	3	6.15	1.23	0.02		27	6.09	1.17	0.06
	3.5	6.15	1.23	0.02		28	6.09	1.17	0.06
	4	6.15	1.23	0.02		29	6.08	1.16	0.07
	4.5	6.15	1.23	0.02		30	6.08	1.16	0.07
	5	6.14	1.22	0.02		35	6.07	1.15	0.08
	5.5	6.14	1.22	0.02		40	6.06	1.14	0.09
	6	6.14	1.22	0.02		45	6.05	1.13	0.10
	6.5	6.13	1.21	0.03		50	6.04	1.12	0.10
	7	6.13	1.21	0.03		55	6.03	1.11	0.11
	7.5	6.13	1.21	0.03		60	6.02	1.10	0.12
	8	6.13	1.21	0.03		75	5.99	1.07	0.14
	8.5	6.12	1.20	0.04		90	5.98	1.06	0.15
	9	6.12	1.20	0.04		105	5.96	1.04	0.17
	9.5	6.12	1.20	0.04	7/7/2020 11:16	118	5.93	1.01	0.19
	10	6.12	1.20	0.04	7/7/2020 11:51	153	5.91	0.99	0.21
	10.5	6.12	1.20	0.04	7/7/2020 12:20	182	5.89	0.97	0.22
	11	6.12	1.20	0.04	7/7/2020 12:50	212	5.86	0.94	0.25
	11.5	6.12	1.20	0.04	7/7/2020 13:35	257	5.83	0.91	0.27
	12	6.12	1.20	0.04					
	12.5	6.12	1.20	0.04					
	13	6.11	1.19	0.05					
	13.5	6.11	1.19	0.05					
	14	6.11	1.19	0.05					
	14.5	6.11	1.19	0.05					



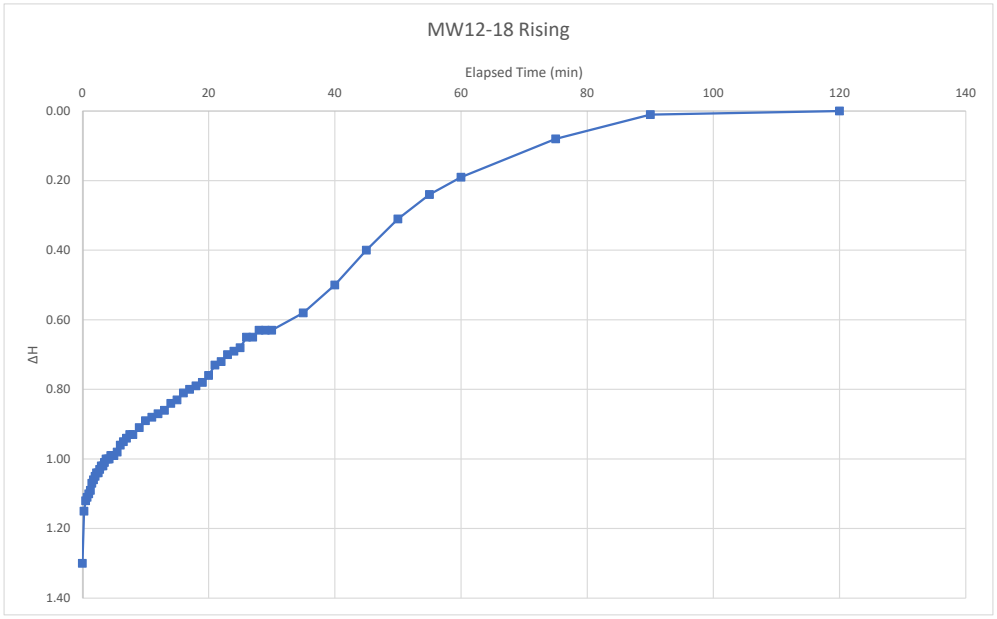
MW12-16 Rising	Static	1.86		
	Initiation	7/1/2020 10:24		
Time	ET (min)	DTW	ΔH	%REC
	0	3.28	1.43	0.00
	0.25	3.28	1.43	0.00
	0.5	3.28	1.43	0.00
	0.75	3.28	1.43	0.00
	1	3.28	1.43	0.00
	1.5	3.27	1.42	0.01
	2	3.27	1.42	0.01
	2.5	3.27	1.42	0.01
	3	3.26	1.41	0.01
	4	3.26	1.41	0.01
	5	3.26	1.41	0.01
	6	3.26	1.41	0.01
	7	3.26	1.41	0.01
	8	3.26	1.41	0.01
	9	3.26	1.41	0.01
	10	3.26	1.41	0.01
	11	3.26	1.41	0.01
	12	3.26	1.41	0.01
	13	3.26	1.41	0.01
	15	3.26	1.41	0.01
	16	3.26	1.41	0.01
	21	3.26	1.41	0.01
	35	3.26	1.41	0.01
	40	3.26	1.41	0.01
	55	3.26	1.41	0.01
7/1/2020 13:04	160	3.26	1.41	0.01
7/1/2020 17:15	411	3.26	1.41	0.01
7/2/2020 10:25	1441	3.26	1.41	0.01
7/2/2020 16:23	1799	3.26	1.41	0.01
7/6/2020 10:55	7231	3.27	1.42	0.01
7/7/2020 11:27	8703	3.27	1.42	0.01



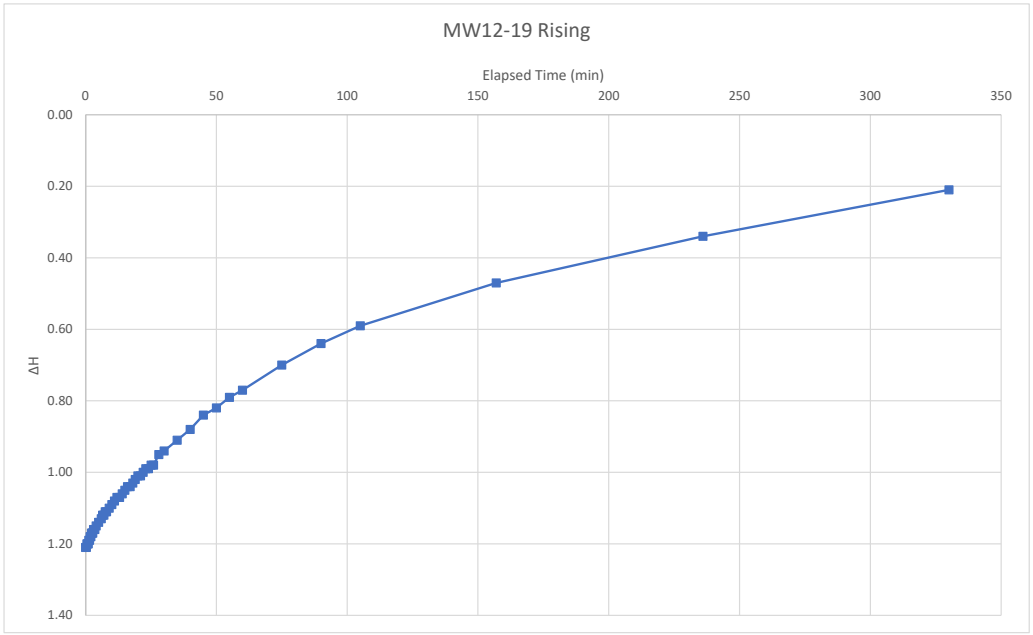
MW12-17 Rising	Static Initiation	9.49 7/1/2020 10:57		
Time	ET (min)	DTW	ΔH	%REC
	0	10.74	1.26	0.00
	0.25	10.74	1.26	0.00
	0.5	10.74	1.26	0.00
	0.75	10.74	1.26	0.00
	1	10.74	1.26	0.00
	1.5	10.74	1.26	0.00
	2	10.74	1.26	0.00
	3	10.74	1.26	0.00
	4	10.74	1.26	0.00
	5	10.74	1.26	0.00
	6	10.74	1.26	0.00
	8	10.74	1.26	0.00
	12	10.74	1.26	0.00
	15	10.74	1.26	0.00
7/1/2020 13:05	128	10.74	1.26	0.00
7/1/2020 17:19	382	10.73	1.25	0.01
7/2/2020 10:29	1412	10.72	1.24	0.02
7/2/2020 16:25	1768	10.72	1.24	0.02
7/6/2020 10:50	7193	10.71	1.23	0.02
7/7/2020 12:41	8744	10.70	1.22	0.03



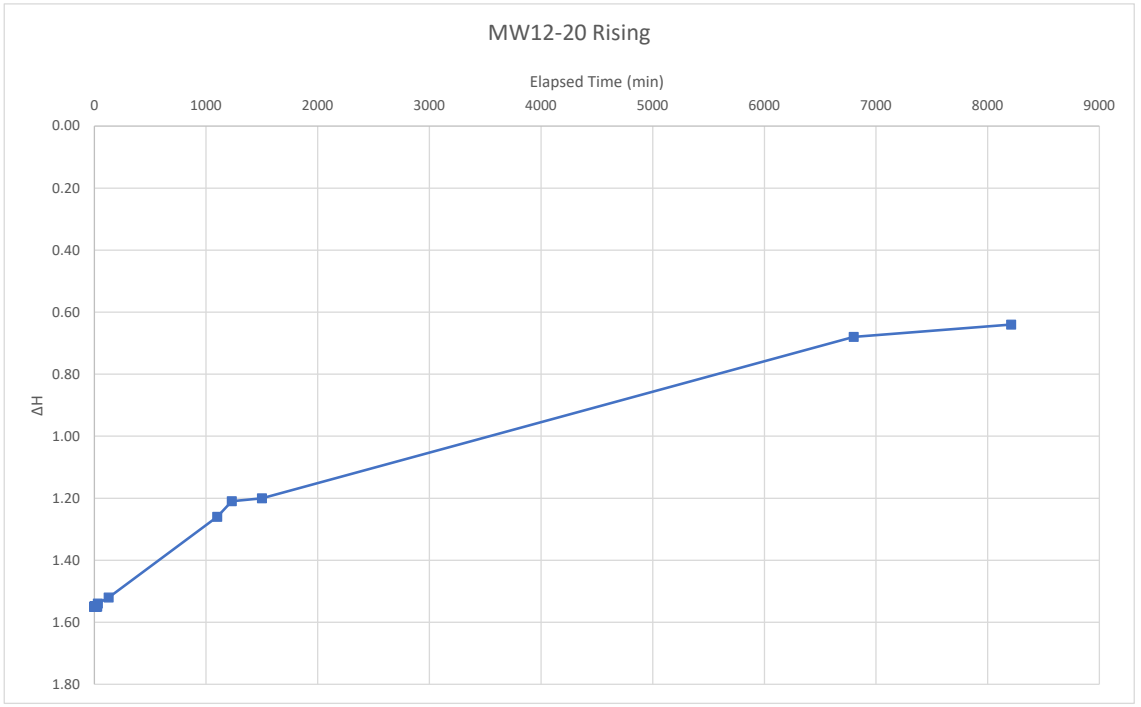
MW12-18 Rising	Static	8.61	
ET (min)	DTW	ΔH	%REC
0	9.90	1.30	0.00
0.25	9.75	1.15	0.12
0.5	9.72	1.12	0.14
0.75	9.71	1.11	0.15
1	9.70	1.10	0.15
1.25	9.69	1.09	0.16
1.5	9.67	1.07	0.18
1.75	9.66	1.06	0.18
2	9.65	1.05	0.19
2.25	9.64	1.04	0.20
2.5	9.64	1.04	0.20
2.75	9.63	1.03	0.21
3	9.62	1.02	0.22
3.25	9.62	1.02	0.22
3.5	9.61	1.01	0.22
3.75	9.60	1.00	0.23
4	9.60	1.00	0.23
4.25	9.60	1.00	0.23
4.5	9.59	0.99	0.24
4.75	9.59	0.99	0.24
5	9.59	0.99	0.24
5.5	9.58	0.98	0.25
6	9.56	0.96	0.26
6.5	9.55	0.95	0.27
7	9.54	0.94	0.28
7.5	9.53	0.93	0.28
8	9.53	0.93	0.28
9	9.51	0.91	0.30
10	9.49	0.89	0.32
11	9.48	0.88	0.32
12	9.47	0.87	0.33
13	9.46	0.86	0.34
14	9.44	0.84	0.35
15	9.43	0.83	0.36
16	9.41	0.81	0.38
17	9.40	0.80	0.38
18	9.39	0.79	0.39
19	9.38	0.78	0.40
20	9.36	0.76	0.42
21	9.33	0.73	0.44
22	9.32	0.72	0.45
23	9.30	0.70	0.46
24	9.29	0.69	0.47
25	9.28	0.68	0.48
26	9.25	0.65	0.50
27	9.25	0.65	0.50
28	9.23	0.63	0.52
29	9.23	0.63	0.52
30	9.23	0.63	0.52
35	9.18	0.58	0.55
40	9.10	0.50	0.62
45	9.00	0.40	0.69
50	8.91	0.31	0.76
55	8.84	0.24	0.82
60	8.79	0.19	0.85
75	8.68	0.08	0.94
90	8.61	0.01	0.99
120	8.60	0.00	1.00



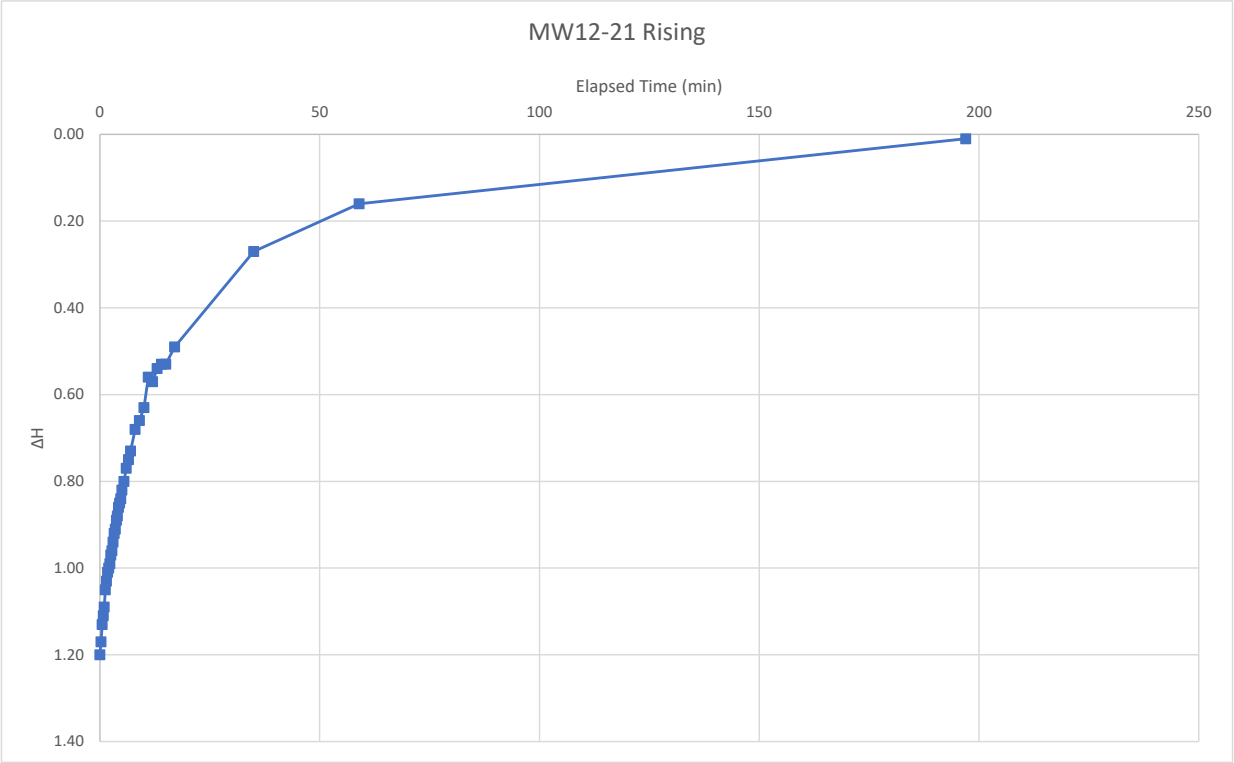
MW12-19 Rising	Static	3.75		
	Initiation	7/2/20 10:50 AM		
Time	ET (min)	DTW	ΔH	%REC
	0	4.96	1.21	0.00
	0.25	4.96	1.21	0.00
	0.5	4.95	1.20	0.01
	0.75	4.95	1.20	0.01
	1	4.95	1.20	0.01
	1.25	4.94	1.19	0.02
	1.5	4.94	1.19	0.02
	1.75	4.93	1.18	0.02
	2	4.93	1.18	0.02
	2.25	4.92	1.17	0.03
	2.5	4.92	1.17	0.03
	2.75	4.92	1.17	0.03
	3	4.91	1.16	0.04
	3.5	4.91	1.16	0.04
	4	4.90	1.15	0.05
	5.00	4.89	1.14	0.06
	6	4.88	1.13	0.07
	6.5	4.87	1.12	0.07
	7	4.87	1.12	0.07
	7.5	4.86	1.11	0.08
	8	4.86	1.11	0.08
	9	4.85	1.10	0.09
	10	4.84	1.09	0.10
	11	4.83	1.08	0.11
	12	4.82	1.07	0.12
	13	4.82	1.07	0.12
	14	4.81	1.06	0.12
	15	4.80	1.05	0.13
	16	4.79	1.04	0.14
	17	4.79	1.04	0.14
	18	4.78	1.03	0.15
	19	4.77	1.02	0.16
	20	4.76	1.01	0.17
	21	4.76	1.01	0.17
	22	4.75	1.00	0.17
	23	4.74	0.99	0.18
	24	4.74	0.99	0.18
	25	4.73	0.98	0.19
	26	4.73	0.98	0.19
	28	4.70	0.95	0.21
	30	4.69	0.94	0.22
	35	4.66	0.91	0.25
	40	4.63	0.88	0.27
	45	4.59	0.84	0.31
	50	4.57	0.82	0.32
	55	4.54	0.79	0.35
	60	4.52	0.77	0.36
	75	4.45	0.70	0.42
	90	4.39	0.64	0.47
	105	4.34	0.59	0.51
7/2/2020 13:27	157	4.22	0.47	0.61
7/2/2020 14:46	236	4.09	0.34	0.72
7/2/2020 16:20	330	3.96	0.21	0.83
7/6/2020 11:01	5771	3.90	0.15	0.88
7/7/20 12:31 PM	7301	3.89	0.14	0.88



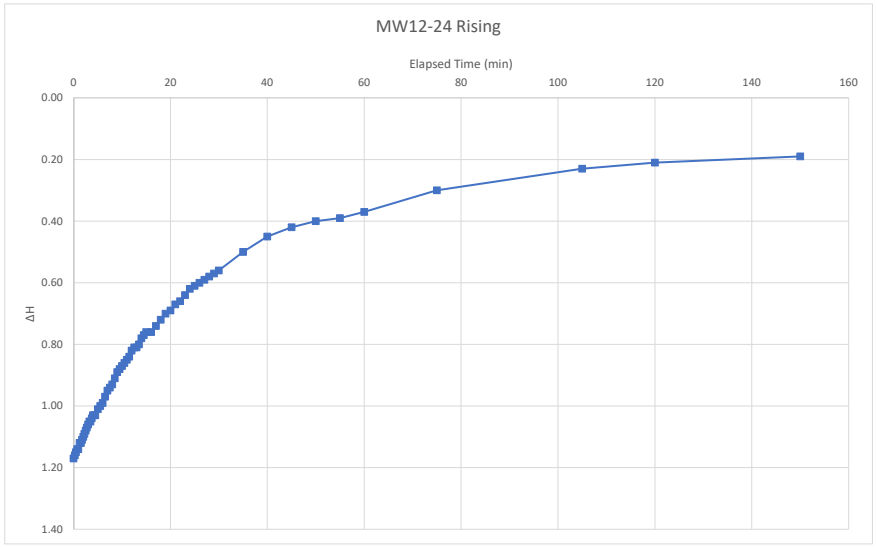
MW12-20 Rising	Static Initiation	6.35 7/1/20 3:45 PM		
Time	ET (min)	DTW	ΔH	%REC
	0	7.89	1.55	0.00
	0.25	7.89	1.55	0.00
	0.5	7.89	1.55	0.00
	0.75	7.89	1.55	0.00
	1	7.89	1.55	0.00
	1.5	7.89	1.55	0.00
	2	7.89	1.55	0.00
	3	7.89	1.55	0.00
	4	7.89	1.55	0.00
	5	7.89	1.55	0.00
	6	7.89	1.55	0.00
	8	7.89	1.55	0.00
	10	7.89	1.55	0.00
	15	7.89	1.55	0.00
	20	7.89	1.55	0.00
	25	7.89	1.55	0.00
	30	7.88	1.54	0.01
	128	7.86	1.52	0.02
7/2/2020 10:05	1100	7.60	1.26	0.19
7/2/2020 12:15	1230	7.55	1.21	0.22
7/2/2020 16:45	1500	7.54	1.20	0.23
7/6/2020 9:05	6800	7.02	0.68	0.56
7/7/2020 8:35	8210	6.98	0.64	0.59



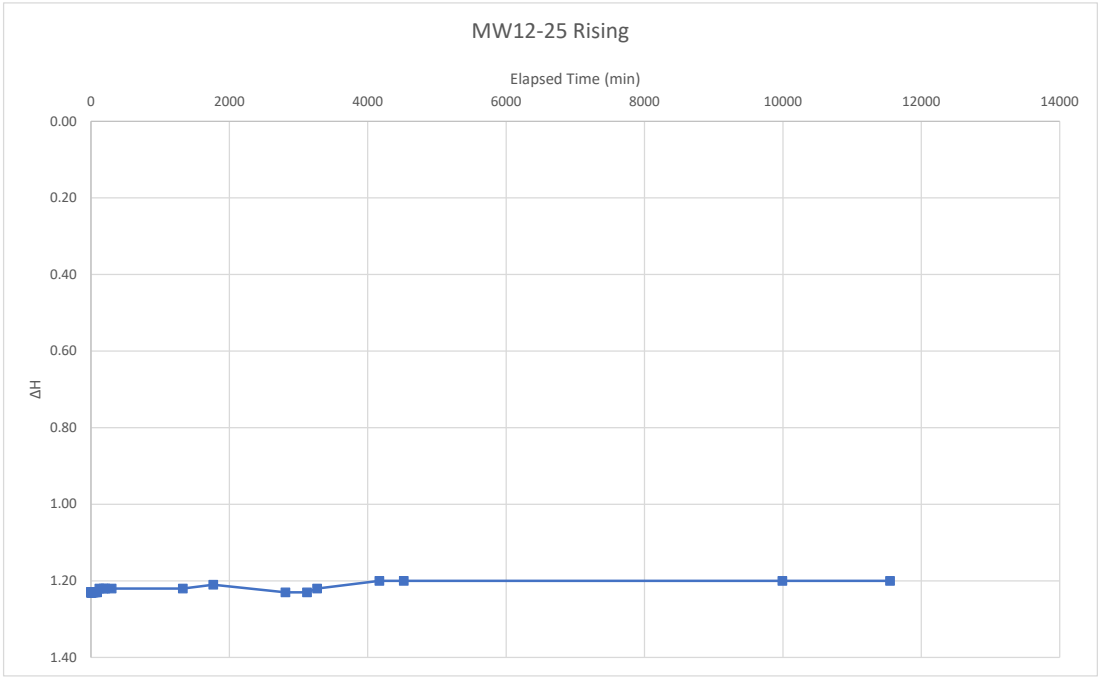
MW12-21 Rising	Static	29.87	
ET (min)	DTW	ΔH	%REC
0	31.07	1.20	0.00
0.25	31.04	1.17	0.03
0.5	31.00	1.13	0.06
0.75	30.98	1.11	0.08
1	30.96	1.09	0.09
1.25	30.92	1.05	0.12
1.5	30.90	1.03	0.14
1.75	30.88	1.01	0.16
2	30.87	1.00	0.17
2.25	30.86	0.99	0.18
2.5	30.84	0.97	0.19
2.75	30.83	0.96	0.20
3	30.81	0.94	0.22
3.25	30.79	0.92	0.23
3.5	30.78	0.91	0.24
3.75	30.76	0.89	0.26
4	30.75	0.88	0.27
4.25	30.73	0.86	0.28
4.5	30.72	0.85	0.29
4.75	30.71	0.84	0.30
5	30.69	0.82	0.32
5.5	30.67	0.80	0.33
6	30.64	0.77	0.36
6.5	30.62	0.75	0.38
7	30.60	0.73	0.39
8	30.55	0.68	0.43
9	30.53	0.66	0.45
10	30.50	0.63	0.48
11	30.43	0.56	0.53
12	30.44	0.57	0.52
13	30.41	0.54	0.55
14	30.40	0.53	0.56
15	30.40	0.53	0.56
17	30.36	0.49	0.59
35	30.14	0.27	0.78
59	30.03	0.16	0.87
197	29.88	0.01	0.99



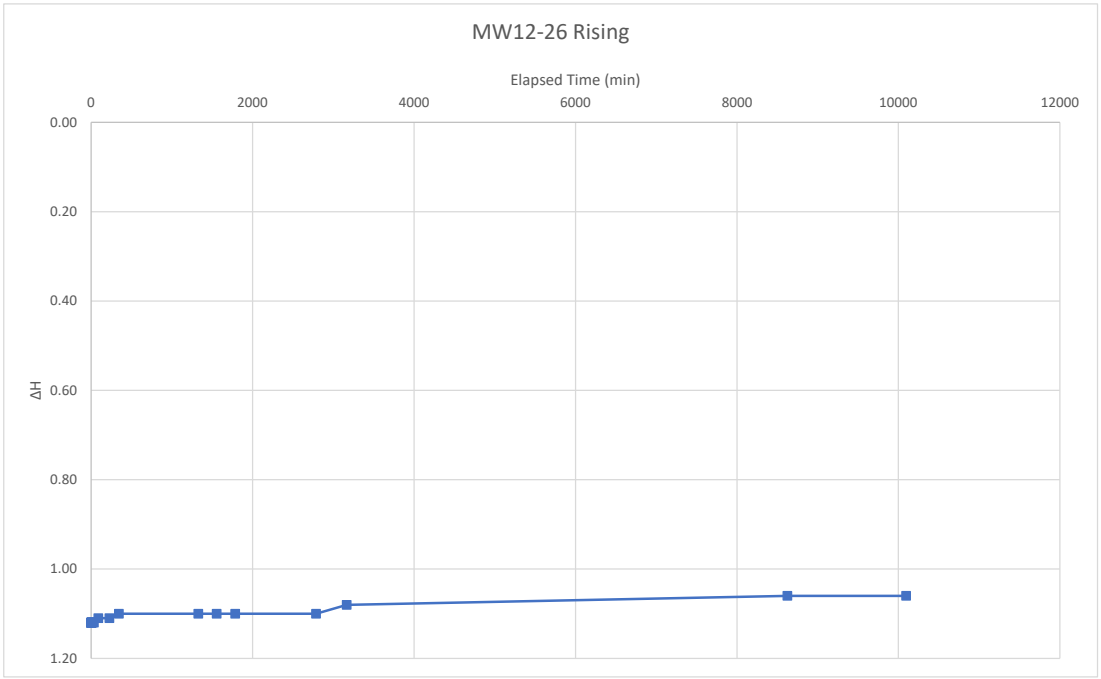
MW12-24 Rising	Static	40.22	
ET (min)	DTW	ΔH	%REC
0	41.39	1.17	0.00
0.25	41.38	1.16	0.01
0.5	41.37	1.15	0.02
0.75	41.36	1.14	0.03
1	41.36	1.14	0.03
1.25	41.34	1.12	0.04
1.5	41.34	1.12	0.04
1.75	41.33	1.11	0.05
2	41.32	1.10	0.06
2.25	41.31	1.09	0.07
2.5	41.30	1.08	0.08
2.75	41.29	1.07	0.09
3	41.28	1.06	0.09
3.25	41.27	1.05	0.10
3.5	41.27	1.05	0.10
3.75	41.26	1.04	0.11
4	41.25	1.03	0.12
4.25	41.25	1.03	0.12
4.5	41.25	1.03	0.12
5	41.23	1.01	0.14
5.5	41.22	1.00	0.15
6	41.21	0.99	0.15
6.5	41.19	0.97	0.17
7	41.17	0.95	0.19
7.5	41.16	0.94	0.20
8	41.15	0.93	0.21
8.5	41.13	0.91	0.22
9	41.11	0.89	0.24
9.5	41.10	0.88	0.25
10	41.09	0.87	0.26
10.5	41.08	0.86	0.26
11	41.07	0.85	0.27
11.5	41.06	0.84	0.28
12	41.04	0.82	0.30
12.5	41.03	0.81	0.31
13	41.03	0.81	0.31
13.5	41.02	0.80	0.32
14	41.00	0.78	0.33
14.5	40.99	0.77	0.34
15	40.98	0.76	0.35
16	40.98	0.76	0.35
17	40.96	0.74	0.37
18	40.94	0.72	0.38
19	40.92	0.70	0.40
20	40.91	0.69	0.41
21	40.89	0.67	0.43
22	40.88	0.66	0.44
23	40.86	0.64	0.45
24	40.84	0.62	0.47
25	40.83	0.61	0.48
26	40.82	0.60	0.49
27	40.81	0.59	0.50
28	40.80	0.58	0.50
29	40.79	0.57	0.51
30	40.78	0.56	0.52
35	40.72	0.50	0.57
40	40.67	0.45	0.62
45	40.64	0.42	0.64
50	40.62	0.40	0.66
55	40.61	0.39	0.67
60	40.59	0.37	0.68
75	40.52	0.30	0.74
105	40.45	0.23	0.80
120	40.43	0.21	0.82
150	40.41	0.19	0.84
1196	40.21	-0.01	1.01



MW12-25 Rising	Static	17.87		
	Initiation	6/29/20 12:44 PM		
Time	ET (min)	DTW	ΔH	%REC
	0	19.10	1.23	0.00
	0.25	19.10	1.23	0.00
	0.5	19.10	1.23	0.00
	1	19.10	1.23	0.00
	2	19.10	1.23	0.00
	3	19.10	1.23	0.00
	4	19.10	1.23	0.00
	5	19.10	1.23	0.00
	6	19.10	1.23	0.00
	10	19.10	1.23	0.00
	13	19.10	1.23	0.00
	21	19.10	1.23	0.00
	30	19.10	1.23	0.00
	40	19.10	1.23	0.00
	60	19.10	1.23	0.00
	90	19.10	1.23	0.00
	120	19.09	1.22	0.01
	180	19.09	1.22	0.01
	210	19.09	1.22	0.01
	300	19.09	1.22	0.01
	1326	19.09	1.22	0.01
	1766	19.08	1.21	0.02
	2811	19.10	1.23	0.00
	3121	19.10	1.23	0.00
	3267	19.09	1.22	0.01
7/2/2020 10:13	4169	19.07	1.20	0.02
7/2/2020 16:06	4522	19.07	1.20	0.02
7/6/2020 11:16	9992	19.07	1.20	0.02
7/7/2020 13:12	11548	19.07	1.20	0.02



MW12-26 Rising	Static	38.13		
	Initiation	6/30/20 10:51 AM		
Time	ET (min)	DTW	ΔH	%REC
	0	39.25	1.12	0.00
	0.5	39.25	1.12	0.00
	1	39.25	1.12	0.00
	2	39.25	1.12	0.00
	3	39.25	1.12	0.00
	4	39.25	1.12	0.00
	5	39.25	1.12	0.00
	6	39.25	1.12	0.00
	7	39.25	1.12	0.00
	9	39.25	1.12	0.00
	35	39.25	1.12	0.00
	90	39.24	1.11	0.01
	228	39.24	1.11	0.01
	345	39.23	1.10	0.02
	1329	39.23	1.10	0.02
	1556	39.23	1.10	0.02
	1785	39.23	1.10	0.02
7/2/2020 9:17	2786	39.23	1.10	0.02
7/2/2020 15:37	3166	39.21	1.08	0.04
7/6/2020 10:37	8626	39.19	1.06	0.05
7/7/2020 11:08	10097	39.19	1.06	0.05



Report Date:	7/6/2020 18:00
Report User Name:	REUSSELJ
Report Computer Name:	US-PF1K89NW
Application:	WinSitu.exe
Application Version:	5.6.32.1

Log File Properties

File Name	MW12-27_FH_Test1_070220_Append_2020-07-06_09-14-54-984.wsl
Create Date	7/6/2020 9:14

Device Properties

Device	Level TROLL 700		
Site	BOMAX 2020		
Device Name	SN 349902		
Serial Number	349902		
Firmware Version	2.13		
Hardware Version	3		
Device Address	1		
Device Comm Cfg	19200	8 Even	1 (Modbus-RTU)
Used Memory	31		
Used Battery	40		

Log Configuration

	Log Name	MW12-27_FH_Test1_070220
	Created By	REUSSELJ
	Computer Name	US-PF1K89NW
	Application	WinSitu.exe
	Application Version	5.6.32.1
	Create Date	7/2/2020 9:19:50 AM Eastern Daylight Time
	Log Setup Time Zone	Eastern Daylight Time
	Notes Size(bytes)	4096
	Overwrite when full	Disabled
	Scheduled Start Time	Manual Start
	Scheduled Stop Time	No Stop Time
	Type	Step Test
Steps	3 (Linear)	
	Step	1
	Duration	Days: 0 hrs: 00 mins: 05 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 01
	Step	2
	Duration	Days: 0 hrs: 01 mins: 00 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 30
	Step	3
	Duration	Days: 1 hrs: 00 mins: 00 secs: 00
	Interval	Days: 0 hrs: 00 mins: 00 secs: 01

Level Reference Settings At Log Creation

Level Measurement	Level Depth To Water
Specific Gravity	0.999
Level Reference Mc	Set new reference
Level Reference Val	7.42 (ft)
Level Reference Head Pr	1.63488 (PSI)

Other Log Settings

Depth of Probe:	3.76976 (ft)
Head Pressure:	1.63266 (PSI)
Temperature:	11.8158 (C)

Log Notes:

Date and Time	Note
7/2/2020 9:19	Used Battery: 40% Used Memory: 32% User Name: REUSSELJ
7/2/2020 9:21	Manual Start Command
7/2/2020 9:21	Log Download - Used Battery: 40% Used Memory: 32% User Name: REUSSELJ
7/2/2020 9:22	Log Download - Used Battery: 40% Used Memory: 32% User Name: REUSSELJ
7/2/2020 9:25	Log Download - Used Battery: 40% Used Memory: 32% User Name: REUSSELJ
7/2/2020 10:11	Log Download - Used Battery: 40% Used Memory: 32% User Name: REUSSELJ
7/2/2020 10:13	Log Download - Used Battery: 40% Used Memory: 32% User Name: REUSSELJ

Confidential

7/2/2020 12:19 Log Download - Used Battery: 40% Used Memory: 32% User Name: REUSSELJ Interval - Start Time: 7/2/2020 10:13:01 AM
7/2/2020 16:45 Log Download - Used Battery: 40% Used Memory: 32% User Name: REUSSELJ

Log Data:

Record Count	1861	
Sensors	1	
	1	349902 Pressure/Temp 30 PSIG (21m/69ft)

Time Zone: Eastern Daylight Time

Date and Time	Elapsed Time Seconds	Sensor: Pre SN#: 3499C Temperatu	Sensor: Pre SN#: 3499C Level Deptl	Sensor: Pres(G) 69ft SN#: 349902 Pressure (PSI)
7/2/2020 9:21	0	11.553	7.419	1.635
7/2/2020 9:21	1.001	11.559	7.425	1.633
7/2/2020 9:21	2.001	11.562	7.422	1.634
7/2/2020 9:21	3.001	11.557	7.42	1.635
7/2/2020 9:21	4.088	11.553	7.413	1.638
7/2/2020 9:21	5.056	11.557	7.419	1.635
7/2/2020 9:21	6.001	11.554	7.423	1.633
7/2/2020 9:21	7.001	11.55	7.426	1.632
7/2/2020 9:21	8.001	11.55	7.425	1.633
7/2/2020 9:21	9.001	11.546	7.424	1.633
7/2/2020 9:21	10.001	11.546	7.425	1.633
7/2/2020 9:21	11.001	11.541	7.429	1.631
7/2/2020 9:21	12.001	11.542	7.423	1.634
7/2/2020 9:21	13.001	11.537	7.424	1.633
7/2/2020 9:21	14.001	11.538	7.428	1.631
7/2/2020 9:21	15.001	11.536	7.425	1.633
7/2/2020 9:21	16.001	11.535	7.422	1.634
7/2/2020 9:21	17.001	11.529	7.428	1.631
7/2/2020 9:21	18.001	11.529	7.426	1.632
7/2/2020 9:21	19.001	11.526	7.429	1.631
7/2/2020 9:21	20.001	11.524	7.427	1.632
7/2/2020 9:21	21.001	11.523	7.425	1.633
7/2/2020 9:21	22.001	11.522	7.429	1.631
7/2/2020 9:21	23.001	11.522	7.43	1.63
7/2/2020 9:21	24.001	11.52	7.434	1.629
7/2/2020 9:21	25.001	11.514	7.423	1.634
7/2/2020 9:21	26.001	11.523	7.425	1.633
7/2/2020 9:21	27.001	11.513	7.426	1.632
7/2/2020 9:21	28.001	11.512	7.428	1.632
7/2/2020 9:21	29.001	11.506	7.428	1.631
7/2/2020 9:21	30.001	11.506	7.426	1.632
7/2/2020 9:21	31.001	11.505	7.423	1.634
7/2/2020 9:21	32.001	11.501	7.428	1.631
7/2/2020 9:21	33.001	11.499	7.42	1.635
7/2/2020 9:21	34.001	11.543	7.409	1.639
7/2/2020 9:21	35.004	11.511	7.419	1.635
7/2/2020 9:21	36.001	11.499	7.427	1.632
7/2/2020 9:21	37.001	11.495	7.426	1.632
7/2/2020 9:21	38.001	11.486	7.42	1.635
7/2/2020 9:21	39.001	11.489	7.429	1.631
7/2/2020 9:21	40.001	11.488	7.426	1.632
7/2/2020 9:21	41.001	11.485	7.428	1.631
7/2/2020 9:21	42.001	11.483	7.425	1.633
7/2/2020 9:21	43.001	11.482	7.427	1.632
7/2/2020 9:21	44.001	11.48	7.424	1.633
7/2/2020 9:21	45.001	11.479	7.427	1.632
7/2/2020 9:21	46.001	11.474	7.425	1.633
7/2/2020 9:21	47.001	11.473	7.425	1.633
7/2/2020 9:21	48.001	11.473	7.429	1.631
7/2/2020 9:21	49.001	11.469	7.426	1.632
7/2/2020 9:21	50.001	11.471	7.425	1.633
7/2/2020 9:21	51.001	11.464	7.426	1.632
7/2/2020 9:21	52.001	11.464	7.426	1.632
7/2/2020 9:21	53.001	11.461	7.427	1.632
7/2/2020 9:21	54.001	11.461	7.425	1.633
7/2/2020 9:21	55.001	11.46	7.422	1.634
7/2/2020 9:21	56.063	11.451	7.419	1.635

7/2/2020 9:21	57.22	11.452	7.419	1.635
7/2/2020 9:21	58.001	11.458	7.388	1.649
7/2/2020 9:22	59.001	11.48	7.429	1.631
7/2/2020 9:22	60.001	11.462	7.423	1.634
7/2/2020 9:22	61.001	11.454	7.428	1.632
7/2/2020 9:22	62.001	11.453	7.428	1.631
7/2/2020 9:22	63.001	11.446	7.427	1.632
7/2/2020 9:22	64.001	11.445	7.427	1.632
7/2/2020 9:22	65.001	11.442	7.427	1.632
7/2/2020 9:22	66.001	11.442	7.427	1.632
7/2/2020 9:22	67.001	11.44	7.426	1.632
7/2/2020 9:22	68.001	11.44	7.425	1.633
7/2/2020 9:22	69.001	11.435	7.43	1.63
7/2/2020 9:22	70.001	11.437	7.429	1.631
7/2/2020 9:22	71.001	11.434	7.426	1.632
7/2/2020 9:22	72.001	11.43	7.426	1.632
7/2/2020 9:22	73.001	11.428	7.428	1.632
7/2/2020 9:22	74.001	11.426	7.427	1.632
7/2/2020 9:22	75.001	11.427	7.427	1.632
7/2/2020 9:22	76.001	11.424	7.425	1.633
7/2/2020 9:22	77.001	11.424	7.429	1.631
7/2/2020 9:22	78.001	11.421	7.43	1.631
7/2/2020 9:22	79.001	11.42	7.433	1.629
7/2/2020 9:22	80.001	11.419	7.432	1.63
7/2/2020 9:22	81.001	11.417	7.424	1.633
7/2/2020 9:22	82.001	11.413	7.425	1.633
7/2/2020 9:22	83.001	11.411	7.426	1.632
7/2/2020 9:22	84.001	11.412	7.429	1.631
7/2/2020 9:22	85.001	11.411	7.421	1.634
7/2/2020 9:22	86.001	11.405	7.429	1.631
7/2/2020 9:22	87.001	11.406	7.424	1.633
7/2/2020 9:22	88.001	11.406	7.424	1.633
7/2/2020 9:22	89.001	11.403	7.399	1.644
7/2/2020 9:22	90.001	11.399	7.014	1.811
7/2/2020 9:22	91.001	11.401	6.963	1.833
7/2/2020 9:22	92.001	11.398	6.284	2.127
7/2/2020 9:22	93.001	11.397	6.405	2.074
7/2/2020 9:22	94.001	11.394	6.571	2.002
7/2/2020 9:22	95.001	11.394	6.392	2.08
7/2/2020 9:22	96.001	11.394	6.401	2.076
7/2/2020 9:22	97.001	11.388	6.395	2.079
7/2/2020 9:22	98.001	11.388	6.396	2.078
7/2/2020 9:22	99.001	11.384	6.396	2.078
7/2/2020 9:22	100.001	11.387	6.398	2.078
7/2/2020 9:22	101.001	11.384	6.399	2.077
7/2/2020 9:22	102.001	11.38	6.395	2.079
7/2/2020 9:22	103.001	11.38	6.398	2.078
7/2/2020 9:22	104.001	11.376	6.397	2.078
7/2/2020 9:22	105.001	11.377	6.396	2.078
7/2/2020 9:22	106.001	11.374	6.398	2.077
7/2/2020 9:22	107.001	11.376	6.398	2.077
7/2/2020 9:22	108.001	11.371	6.399	2.077
7/2/2020 9:22	109.001	11.368	6.398	2.078
7/2/2020 9:22	110.001	11.371	6.396	2.079
7/2/2020 9:22	111.001	11.366	6.402	2.076
7/2/2020 9:22	112.002	11.367	6.395	2.079
7/2/2020 9:22	113.003	11.364	6.39	2.081
7/2/2020 9:22	114.001	11.362	6.393	2.08
7/2/2020 9:22	115.001	11.358	6.393	2.08
7/2/2020 9:22	116.001	11.397	6.382	2.085
7/2/2020 9:22	117.001	11.368	6.394	2.079
7/2/2020 9:22	118.001	11.359	6.396	2.078
7/2/2020 9:23	119.001	11.357	6.396	2.078
7/2/2020 9:23	120.001	11.353	6.399	2.077
7/2/2020 9:23	121.001	11.355	6.4	2.077
7/2/2020 9:23	122.001	11.352	6.398	2.078
7/2/2020 9:23	123.001	11.349	6.397	2.078
7/2/2020 9:23	124.001	11.348	6.401	2.076
7/2/2020 9:23	125.001	11.345	6.399	2.077
7/2/2020 9:23	126.001	11.343	6.404	2.075
7/2/2020 9:23	127.001	11.342	6.397	2.078
7/2/2020 9:23	128.001	11.342	6.397	2.078
7/2/2020 9:23	129.001	11.344	6.396	2.078

7/2/2020 9:23	130.001	11.341	6.397	2.078
7/2/2020 9:23	131.001	11.342	6.399	2.077
7/2/2020 9:23	132.001	11.341	6.4	2.077
7/2/2020 9:23	133.001	11.335	6.399	2.077
7/2/2020 9:23	134.001	11.335	6.399	2.077
7/2/2020 9:23	135.001	11.333	6.397	2.078
7/2/2020 9:23	136.001	11.331	6.4	2.077
7/2/2020 9:23	137.001	11.33	6.399	2.077
7/2/2020 9:23	138.001	11.329	6.401	2.076
7/2/2020 9:23	139.001	11.331	6.401	2.076
7/2/2020 9:23	140.001	11.327	6.398	2.078
7/2/2020 9:23	141.001	11.329	6.398	2.078
7/2/2020 9:23	142.001	11.323	6.401	2.076
7/2/2020 9:23	143.001	11.323	6.398	2.077
7/2/2020 9:23	144.001	11.322	6.397	2.078
7/2/2020 9:23	145.001	11.321	6.4	2.077
7/2/2020 9:23	146.001	11.321	6.398	2.077
7/2/2020 9:23	147.001	11.32	6.403	2.076
7/2/2020 9:23	148.001	11.317	6.4	2.077
7/2/2020 9:23	149.001	11.316	6.401	2.076
7/2/2020 9:23	150.001	11.312	6.402	2.076
7/2/2020 9:23	151.001	11.315	6.401	2.076
7/2/2020 9:23	152.001	11.313	6.4	2.077
7/2/2020 9:23	153.001	11.311	6.399	2.077
7/2/2020 9:23	154.001	11.309	6.401	2.076
7/2/2020 9:23	155.001	11.311	6.397	2.078
7/2/2020 9:23	156.001	11.306	6.399	2.077
7/2/2020 9:23	157.001	11.306	6.401	2.076
7/2/2020 9:23	158.001	11.306	6.404	2.075
7/2/2020 9:23	159.001	11.304	6.4	2.076
7/2/2020 9:23	160.001	11.303	6.399	2.077
7/2/2020 9:23	161.001	11.302	6.4	2.077
7/2/2020 9:23	162.001	11.3	6.4	2.077
7/2/2020 9:23	163.001	11.3	6.4	2.077
7/2/2020 9:23	164.001	11.298	6.402	2.076
7/2/2020 9:23	165.001	11.298	6.4	2.077
7/2/2020 9:23	166.001	11.294	6.404	2.075
7/2/2020 9:23	167.001	11.293	6.4	2.077
7/2/2020 9:23	168.001	11.295	6.402	2.076
7/2/2020 9:23	169.001	11.291	6.398	2.077
7/2/2020 9:23	170.006	11.292	6.401	2.076
7/2/2020 9:23	171.001	11.29	6.4	2.076
7/2/2020 9:23	172.001	11.289	6.399	2.077
7/2/2020 9:23	173.001	11.289	6.398	2.078
7/2/2020 9:23	174.001	11.288	6.399	2.077
7/2/2020 9:23	175.001	11.285	6.4	2.076
7/2/2020 9:23	176.001	11.284	6.4	2.077
7/2/2020 9:23	177.001	11.28	6.401	2.076
7/2/2020 9:23	178.001	11.281	6.401	2.076
7/2/2020 9:24	179.001	11.278	6.398	2.077
7/2/2020 9:24	180.001	11.278	6.402	2.076
7/2/2020 9:24	181.001	11.278	6.402	2.076
7/2/2020 9:24	182.001	11.276	6.401	2.076
7/2/2020 9:24	183.001	11.278	6.398	2.078
7/2/2020 9:24	184.001	11.274	6.401	2.076
7/2/2020 9:24	185.001	11.276	6.399	2.077
7/2/2020 9:24	186.001	11.272	6.402	2.076
7/2/2020 9:24	187.001	11.272	6.4	2.077
7/2/2020 9:24	188.001	11.27	6.399	2.077
7/2/2020 9:24	189.001	11.269	6.401	2.076
7/2/2020 9:24	190.001	11.267	6.402	2.076
7/2/2020 9:24	191.001	11.269	6.401	2.076
7/2/2020 9:24	192.001	11.268	6.402	2.076
7/2/2020 9:24	193.001	11.266	6.398	2.077
7/2/2020 9:24	194.001	11.265	6.401	2.076
7/2/2020 9:24	195.001	11.262	6.4	2.077
7/2/2020 9:24	196.001	11.261	6.4	2.077
7/2/2020 9:24	197.001	11.26	6.4	2.077
7/2/2020 9:24	198.001	11.262	6.4	2.077
7/2/2020 9:24	199.001	11.256	6.4	2.077
7/2/2020 9:24	200.001	11.257	6.4	2.077
7/2/2020 9:24	201.001	11.259	6.4	2.077
7/2/2020 9:24	202.001	11.253	6.403	2.075

7/2/2020 9:24	203.001	11.254	6.399	2.077
7/2/2020 9:24	204.001	11.254	6.402	2.076
7/2/2020 9:24	205.001	11.254	6.401	2.076
7/2/2020 9:24	206.001	11.254	6.403	2.075
7/2/2020 9:24	207.001	11.253	6.403	2.075
7/2/2020 9:24	208.001	11.25	6.399	2.077
7/2/2020 9:24	209.001	11.25	6.399	2.077
7/2/2020 9:24	210.001	11.247	6.401	2.076
7/2/2020 9:24	211.001	11.243	6.4	2.076
7/2/2020 9:24	212.001	11.245	6.402	2.076
7/2/2020 9:24	213.001	11.245	6.401	2.076
7/2/2020 9:24	214.001	11.243	6.399	2.077
7/2/2020 9:24	215.001	11.243	6.398	2.077
7/2/2020 9:24	216.001	11.241	6.404	2.075
7/2/2020 9:24	217.001	11.242	6.404	2.075
7/2/2020 9:24	218.001	11.24	6.397	2.078
7/2/2020 9:24	219.001	11.241	6.402	2.076
7/2/2020 9:24	220.001	11.237	6.4	2.076
7/2/2020 9:24	221.001	11.236	6.399	2.077
7/2/2020 9:24	222.001	11.235	6.403	2.075
7/2/2020 9:24	223.001	11.237	6.405	2.074
7/2/2020 9:24	224.001	11.234	6.399	2.077
7/2/2020 9:24	225.001	11.233	6.403	2.075
7/2/2020 9:24	226.001	11.234	6.399	2.077
7/2/2020 9:24	227.001	11.235	6.397	2.078
7/2/2020 9:24	228.001	11.231	6.401	2.076
7/2/2020 9:24	229.001	11.23	6.403	2.076
7/2/2020 9:24	230.001	11.232	6.395	2.079
7/2/2020 9:24	231.001	11.228	6.402	2.076
7/2/2020 9:24	232.001	11.227	6.4	2.076
7/2/2020 9:24	233.001	11.229	6.402	2.076
7/2/2020 9:24	234.001	11.226	6.4	2.077
7/2/2020 9:24	235.001	11.225	6.4	2.076
7/2/2020 9:24	236.001	11.224	6.4	2.077
7/2/2020 9:24	237.001	11.222	6.4	2.077
7/2/2020 9:24	238.001	11.223	6.397	2.078
7/2/2020 9:25	239.001	11.22	6.397	2.078
7/2/2020 9:25	240.001	11.218	6.397	2.078
7/2/2020 9:25	241.001	11.22	6.398	2.077
7/2/2020 9:25	242.035	11.219	6.391	2.08
7/2/2020 9:25	243.004	11.221	6.392	2.08
7/2/2020 9:25	244.001	11.217	6.402	2.076
7/2/2020 9:25	245.001	11.216	6.402	2.076
7/2/2020 9:25	246.001	11.215	6.402	2.076
7/2/2020 9:25	247.001	11.215	6.401	2.076
7/2/2020 9:25	248.001	11.215	6.401	2.076
7/2/2020 9:25	249.001	11.213	6.399	2.077
7/2/2020 9:25	250.001	11.21	6.404	2.075
7/2/2020 9:25	251.001	11.212	6.401	2.076
7/2/2020 9:25	252.121	11.207	6.393	2.08
7/2/2020 9:25	253.001	11.207	6.396	2.079
7/2/2020 9:25	254.001	11.21	6.398	2.078
7/2/2020 9:25	255.001	11.209	6.398	2.077
7/2/2020 9:25	256.001	11.208	6.395	2.079
7/2/2020 9:25	257.024	11.204	6.391	2.081
7/2/2020 9:25	258.001	11.21	6.397	2.078
7/2/2020 9:25	259.001	11.205	6.395	2.079
7/2/2020 9:25	260.001	11.255	6.388	2.082
7/2/2020 9:25	261.001	11.217	6.395	2.079
7/2/2020 9:25	262.001	11.208	6.402	2.076
7/2/2020 9:25	263.001	11.206	6.404	2.075
7/2/2020 9:25	264.001	11.205	6.401	2.076
7/2/2020 9:25	265.001	11.203	6.398	2.078
7/2/2020 9:25	266.001	11.201	6.4	2.077
7/2/2020 9:25	267.001	11.199	6.397	2.078
7/2/2020 9:25	268.001	11.198	6.403	2.075
7/2/2020 9:25	269.001	11.202	6.399	2.077
7/2/2020 9:25	270.001	11.197	6.4	2.077
7/2/2020 9:25	271.001	11.196	6.399	2.077
7/2/2020 9:25	272.001	11.201	6.4	2.077
7/2/2020 9:25	273.001	11.197	6.4	2.076
7/2/2020 9:25	274.001	11.194	6.4	2.076
7/2/2020 9:25	275.001	11.194	6.401	2.076

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7/2/2020 9:25	276.001	11.193	6.402	2.076
7/2/2020 9:25	277.001	11.194	6.4	2.077
7/2/2020 9:25	278.001	11.193	6.401	2.076
7/2/2020 9:25	279.001	11.192	6.399	2.077
7/2/2020 9:25	280.001	11.19	6.401	2.076
7/2/2020 9:25	281.001	11.191	6.401	2.076
7/2/2020 9:25	282.001	11.191	6.4	2.077
7/2/2020 9:25	283.001	11.191	6.406	2.074
7/2/2020 9:25	284.001	11.19	6.402	2.076
7/2/2020 9:25	285.001	11.188	6.403	2.075
7/2/2020 9:25	286.001	11.188	6.407	2.074
7/2/2020 9:25	287.001	11.185	6.399	2.077
7/2/2020 9:25	288.001	11.19	6.404	2.075
7/2/2020 9:25	289.001	11.185	6.401	2.076
7/2/2020 9:25	290.001	11.186	6.405	2.075
7/2/2020 9:25	291.001	11.185	6.398	2.077
7/2/2020 9:25	292.001	11.18	6.398	2.078
7/2/2020 9:25	293.001	11.182	6.4	2.077
7/2/2020 9:25	294.001	11.182	6.402	2.076
7/2/2020 9:25	295.001	11.18	6.403	2.075
7/2/2020 9:25	296.001	11.183	6.405	2.075
7/2/2020 9:25	297.001	11.178	6.401	2.076
7/2/2020 9:25	298.001	11.179	6.402	2.076
7/2/2020 9:26	299.001	11.178	6.401	2.076
7/2/2020 9:26	300.001	11.178	6.403	2.075
7/2/2020 9:26	330.002	11.128	6.401	2.076
7/2/2020 9:27	360.002	11.101	6.4	2.077
7/2/2020 9:27	390.002	11.075	6.4	2.076
7/2/2020 9:28	420.002	11.054	6.401	2.076
7/2/2020 9:28	450.002	11.039	6.404	2.075
7/2/2020 9:29	480.002	11.025	6.401	2.076
7/2/2020 9:29	510.002	11.012	6.403	2.076
7/2/2020 9:30	540.002	11.006	6.402	2.076
7/2/2020 9:30	570.002	10.995	6.407	2.074
7/2/2020 9:31	600.002	10.987	6.403	2.075
7/2/2020 9:31	630.002	10.981	6.406	2.074
7/2/2020 9:32	660.002	10.971	6.406	2.074
7/2/2020 9:32	690.002	10.968	6.407	2.074
7/2/2020 9:33	720.002	10.965	6.407	2.073
7/2/2020 9:33	750.002	10.961	6.411	2.072
7/2/2020 9:34	780.002	10.955	6.409	2.073
7/2/2020 9:34	810.002	10.954	6.409	2.073
7/2/2020 9:35	840.002	10.947	6.407	2.074
7/2/2020 9:35	870.002	10.946	6.411	2.072
7/2/2020 9:36	900.002	10.941	6.413	2.071
7/2/2020 9:36	930.002	10.94	6.411	2.072
7/2/2020 9:37	960.002	10.934	6.409	2.073
7/2/2020 9:37	990.002	10.936	6.41	2.072
7/2/2020 9:38	1020.002	10.933	6.412	2.072
7/2/2020 9:38	1050.002	10.931	6.414	2.071
7/2/2020 9:39	1080.002	10.93	6.413	2.071
7/2/2020 9:39	1110.002	10.928	6.415	2.07
7/2/2020 9:40	1140.002	10.925	6.409	2.073
7/2/2020 9:40	1170.002	10.926	6.412	2.071
7/2/2020 9:41	1200.002	10.924	6.409	2.073
7/2/2020 9:41	1230.002	10.925	6.414	2.07
7/2/2020 9:42	1260.002	10.923	6.413	2.071
7/2/2020 9:42	1290.002	10.921	6.414	2.071
7/2/2020 9:43	1320.002	10.919	6.413	2.071
7/2/2020 9:43	1350.002	10.917	6.414	2.071
7/2/2020 9:44	1380.002	10.915	6.415	2.07
7/2/2020 9:44	1410.002	10.917	6.416	2.07
7/2/2020 9:45	1440.002	10.917	6.416	2.07
7/2/2020 9:45	1470.002	10.914	6.415	2.07
7/2/2020 9:46	1500.002	10.911	6.416	2.07
7/2/2020 9:46	1530.002	10.915	6.418	2.069
7/2/2020 9:47	1560.002	10.915	6.422	2.067
7/2/2020 9:47	1590.002	10.912	6.418	2.069
7/2/2020 9:48	1620.002	10.911	6.418	2.069
7/2/2020 9:48	1650.002	10.914	6.42	2.068
7/2/2020 9:49	1680.002	10.91	6.417	2.069
7/2/2020 9:49	1710.002	10.912	6.418	2.069
7/2/2020 9:50	1740.002	10.91	6.416	2.07

7/2/2020 9:50	1770.002	10.909	6.418	2.069
7/2/2020 9:51	1800.002	10.908	6.42	2.068
7/2/2020 9:51	1830.002	10.908	6.421	2.067
7/2/2020 9:52	1860.002	10.908	6.421	2.067
7/2/2020 9:52	1890.002	10.907	6.423	2.067
7/2/2020 9:53	1920.002	10.908	6.421	2.068
7/2/2020 9:53	1950.002	10.906	6.421	2.067
7/2/2020 9:54	1980.002	10.908	6.423	2.067
7/2/2020 9:54	2010.002	10.904	6.421	2.068
7/2/2020 9:55	2040.002	10.903	6.425	2.066
7/2/2020 9:55	2070.002	10.904	6.421	2.067
7/2/2020 9:56	2100.002	10.904	6.425	2.066
7/2/2020 9:56	2130.002	10.905	6.425	2.066
7/2/2020 9:57	2160.002	10.901	6.427	2.065
7/2/2020 9:57	2190.002	10.902	6.425	2.066
7/2/2020 9:58	2220.002	10.902	6.424	2.066
7/2/2020 9:58	2250.002	10.903	6.425	2.066
7/2/2020 9:59	2280.002	10.899	6.427	2.065
7/2/2020 9:59	2310.002	10.902	6.426	2.065
7/2/2020 10:00	2340.002	10.902	6.425	2.066
7/2/2020 10:00	2370.002	10.901	6.43	2.064
7/2/2020 10:01	2400.002	10.899	6.426	2.065
7/2/2020 10:01	2430.002	10.897	6.427	2.065
7/2/2020 10:02	2460.002	10.901	6.428	2.064
7/2/2020 10:02	2490.002	10.898	6.431	2.063
7/2/2020 10:03	2520.002	10.898	6.434	2.062
7/2/2020 10:03	2550.002	10.898	6.429	2.064
7/2/2020 10:04	2580.002	10.896	6.431	2.063
7/2/2020 10:04	2610.002	10.897	6.432	2.063
7/2/2020 10:05	2640.002	10.895	6.431	2.063
7/2/2020 10:05	2670.002	10.896	6.433	2.062
7/2/2020 10:06	2700.002	10.898	6.434	2.062
7/2/2020 10:06	2730.002	10.896	6.429	2.064
7/2/2020 10:07	2760.002	10.894	6.432	2.063
7/2/2020 10:07	2790.002	10.896	6.433	2.063
7/2/2020 10:08	2820.002	10.896	6.434	2.062
7/2/2020 10:08	2850.002	10.894	6.432	2.063
7/2/2020 10:09	2880.002	10.895	6.433	2.062
7/2/2020 10:09	2910.002	10.893	6.434	2.062
7/2/2020 10:10	2940.002	10.892	6.441	2.059
7/2/2020 10:10	2970.002	10.893	6.437	2.061
7/2/2020 10:11	3000.002	10.896	6.433	2.063
7/2/2020 10:11	3030.002	10.898	6.435	2.062
7/2/2020 10:12	3060.002	10.901	6.435	2.061
7/2/2020 10:12	3090.002	10.9	6.438	2.06
7/2/2020 10:13	3120.002	10.9	6.439	2.06
7/2/2020 10:13	3150.002	10.899	6.435	2.062
7/2/2020 10:14	3180.002	10.904	6.44	2.059
7/2/2020 10:14	3210.002	10.899	6.439	2.06
7/2/2020 10:15	3240.002	10.896	6.438	2.06
7/2/2020 10:15	3270.002	10.896	6.438	2.06
7/2/2020 10:16	3300.002	10.894	6.438	2.06
7/2/2020 10:16	3330.002	10.893	6.437	2.061
7/2/2020 10:17	3360.002	10.891	6.436	2.061
7/2/2020 10:17	3390.002	10.89	6.437	2.06
7/2/2020 10:18	3420.002	10.89	6.442	2.059
7/2/2020 10:18	3450.002	10.89	6.441	2.059
7/2/2020 10:19	3480.002	10.886	6.442	2.058
7/2/2020 10:19	3510.002	10.887	6.439	2.06
7/2/2020 10:20	3540.002	10.887	6.445	2.057
7/2/2020 10:20	3570.002	10.889	6.441	2.059
7/2/2020 10:21	3600.002	10.887	6.445	2.057
7/2/2020 10:21	3630.002	10.888	6.44	2.059
7/2/2020 10:22	3660.002	10.886	6.444	2.058
7/2/2020 10:22	3690.002	10.886	6.443	2.058
7/2/2020 10:23	3720.002	10.887	6.442	2.058
7/2/2020 10:23	3750.002	10.887	6.444	2.057
7/2/2020 10:24	3780.002	10.887	6.446	2.057
7/2/2020 10:24	3810.002	10.882	6.447	2.056
7/2/2020 10:25	3840.002	10.884	6.443	2.058
7/2/2020 10:25	3870.002	10.883	6.442	2.058
7/2/2020 10:26	3900.001	10.884	6.444	2.057
7/2/2020 10:27	3960.002	10.882	6.446	2.057

7/2/2020 10:28	4020.002	10.883	6.447	2.056
7/2/2020 10:29	4080.002	10.882	6.45	2.055
7/2/2020 10:30	4140.002	10.879	6.451	2.054
7/2/2020 10:31	4200.002	10.879	6.455	2.053
7/2/2020 10:32	4260.002	10.879	6.452	2.054
7/2/2020 10:33	4320.002	10.878	6.449	2.055
7/2/2020 10:34	4380.002	10.878	6.452	2.054
7/2/2020 10:35	4440.002	10.879	6.453	2.054
7/2/2020 10:36	4500.002	10.879	6.458	2.052
7/2/2020 10:37	4560.002	10.878	6.453	2.054
7/2/2020 10:38	4620.002	10.874	6.454	2.053
7/2/2020 10:39	4680.002	10.876	6.458	2.052
7/2/2020 10:40	4740.002	10.876	6.457	2.052
7/2/2020 10:41	4800.002	10.874	6.459	2.051
7/2/2020 10:42	4860.002	10.875	6.456	2.053
7/2/2020 10:43	4920.002	10.872	6.459	2.051
7/2/2020 10:44	4980.002	10.872	6.459	2.051
7/2/2020 10:45	5040.002	10.875	6.46	2.051
7/2/2020 10:46	5100.002	10.872	6.459	2.051
7/2/2020 10:47	5160.002	10.871	6.466	2.048
7/2/2020 10:48	5220.002	10.872	6.461	2.05
7/2/2020 10:49	5280.002	10.874	6.461	2.05
7/2/2020 10:50	5340.002	10.871	6.463	2.049
7/2/2020 10:51	5400.002	10.871	6.463	2.049
7/2/2020 10:52	5460.002	10.874	6.467	2.048
7/2/2020 10:53	5520.002	10.869	6.461	2.05
7/2/2020 10:54	5580.002	10.869	6.465	2.048
7/2/2020 10:55	5640.002	10.868	6.465	2.049
7/2/2020 10:56	5700.002	10.869	6.469	2.047
7/2/2020 10:57	5760.002	10.869	6.467	2.048
7/2/2020 10:58	5820.002	10.87	6.47	2.046
7/2/2020 10:59	5880.002	10.869	6.472	2.045
7/2/2020 11:00	5940.002	10.869	6.469	2.047
7/2/2020 11:01	6000.002	10.865	6.472	2.045
7/2/2020 11:02	6060.002	10.867	6.472	2.045
7/2/2020 11:03	6120.002	10.869	6.474	2.045
7/2/2020 11:04	6180.002	10.866	6.474	2.045
7/2/2020 11:05	6240.002	10.865	6.473	2.045
7/2/2020 11:06	6300.002	10.867	6.475	2.044
7/2/2020 11:07	6360.002	10.867	6.477	2.043
7/2/2020 11:08	6420.002	10.866	6.474	2.045
7/2/2020 11:09	6480.002	10.868	6.476	2.044
7/2/2020 11:10	6540.002	10.866	6.477	2.043
7/2/2020 11:11	6600.002	10.867	6.478	2.043
7/2/2020 11:12	6660.002	10.862	6.479	2.042
7/2/2020 11:13	6720.002	10.862	6.477	2.043
7/2/2020 11:14	6780.002	10.864	6.479	2.043
7/2/2020 11:15	6840.002	10.864	6.48	2.042
7/2/2020 11:16	6900.002	10.864	6.48	2.042
7/2/2020 11:17	6960.002	10.862	6.483	2.041
7/2/2020 11:18	7020.002	10.862	6.48	2.042
7/2/2020 11:19	7080.002	10.863	6.483	2.041
7/2/2020 11:20	7140.002	10.862	6.483	2.041
7/2/2020 11:21	7200.002	10.862	6.487	2.039
7/2/2020 11:22	7260.002	10.861	6.484	2.04
7/2/2020 11:23	7320.002	10.862	6.483	2.041
7/2/2020 11:24	7380.002	10.859	6.49	2.037
7/2/2020 11:25	7440.002	10.86	6.485	2.04
7/2/2020 11:26	7500.002	10.859	6.482	2.041
7/2/2020 11:27	7560.002	10.86	6.492	2.037
7/2/2020 11:28	7620.002	10.859	6.491	2.037
7/2/2020 11:29	7680.002	10.859	6.489	2.038
7/2/2020 11:30	7740.002	10.857	6.488	2.038
7/2/2020 11:31	7800.002	10.855	6.491	2.037
7/2/2020 11:32	7860.002	10.855	6.49	2.038
7/2/2020 11:33	7920.002	10.855	6.493	2.036
7/2/2020 11:34	7980.002	10.855	6.492	2.037
7/2/2020 11:35	8040.002	10.857	6.497	2.035
7/2/2020 11:36	8100.002	10.855	6.491	2.037
7/2/2020 11:37	8160.002	10.854	6.493	2.036
7/2/2020 11:38	8220.002	10.856	6.5	2.033
7/2/2020 11:39	8280.002	10.854	6.493	2.036
7/2/2020 11:40	8340.002	10.853	6.495	2.036

7/2/2020 11:41	8400.002	10.854	6.497	2.034
7/2/2020 11:42	8460.002	10.857	6.501	2.033
7/2/2020 11:43	8520.002	10.854	6.499	2.034
7/2/2020 11:44	8580.002	10.852	6.504	2.032
7/2/2020 11:45	8640.002	10.851	6.503	2.032
7/2/2020 11:46	8700.002	10.853	6.507	2.03
7/2/2020 11:47	8760.002	10.852	6.501	2.033
7/2/2020 11:48	8820.002	10.851	6.506	2.031
7/2/2020 11:49	8880.002	10.852	6.509	2.03
7/2/2020 11:50	8940.002	10.851	6.505	2.031
7/2/2020 11:51	9000.002	10.853	6.506	2.031
7/2/2020 11:52	9060.002	10.847	6.507	2.03
7/2/2020 11:53	9120.002	10.85	6.504	2.031
7/2/2020 11:54	9180.002	10.848	6.506	2.031
7/2/2020 11:55	9240.002	10.85	6.506	2.031
7/2/2020 11:56	9300.002	10.852	6.505	2.031
7/2/2020 11:57	9360.002	10.851	6.512	2.028
7/2/2020 11:58	9420.002	10.85	6.506	2.031
7/2/2020 11:59	9480.002	10.848	6.513	2.028
7/2/2020 12:00	9540.002	10.848	6.505	2.031
7/2/2020 12:01	9600.002	10.848	6.512	2.028
7/2/2020 12:02	9660.002	10.845	6.511	2.028
7/2/2020 12:03	9720.002	10.847	6.515	2.027
7/2/2020 12:04	9780.002	10.849	6.519	2.025
7/2/2020 12:05	9840.002	10.848	6.516	2.026
7/2/2020 12:06	9900.002	10.848	6.52	2.025
7/2/2020 12:07	9960.002	10.847	6.519	2.025
7/2/2020 12:08	10020.002	10.845	6.517	2.026
7/2/2020 12:09	10080.002	10.846	6.519	2.025
7/2/2020 12:10	10140.002	10.845	6.523	2.024
7/2/2020 12:11	10200.002	10.847	6.523	2.023
7/2/2020 12:12	10260.002	10.847	6.518	2.026
7/2/2020 12:13	10320.002	10.848	6.526	2.022
7/2/2020 12:14	10380.002	10.847	6.523	2.024
7/2/2020 12:15	10440.002	10.845	6.523	2.023
7/2/2020 12:16	10500.002	10.845	6.521	2.024
7/2/2020 12:17	10560.002	10.847	6.528	2.021
7/2/2020 12:18	10620.002	10.843	6.526	2.022
7/2/2020 12:19	10680.002	10.845	6.527	2.022
7/2/2020 12:20	10740.002	10.853	6.528	2.021
7/2/2020 12:21	10800.002	10.853	6.526	2.022
7/2/2020 12:22	10860.002	10.851	6.531	2.02
7/2/2020 12:23	10920.002	10.849	6.531	2.02
7/2/2020 12:24	10980.002	10.848	6.531	2.02
7/2/2020 12:25	11040.002	10.847	6.528	2.021
7/2/2020 12:26	11100.002	10.847	6.532	2.02
7/2/2020 12:27	11160.002	10.846	6.53	2.021
7/2/2020 12:28	11220.002	10.846	6.532	2.019
7/2/2020 12:29	11280.002	10.843	6.53	2.02
7/2/2020 12:30	11340.002	10.845	6.531	2.02
7/2/2020 12:31	11400.002	10.845	6.534	2.019
7/2/2020 12:32	11460.002	10.845	6.531	2.02
7/2/2020 12:33	11520.002	10.842	6.528	2.021
7/2/2020 12:34	11580.002	10.842	6.535	2.018
7/2/2020 12:35	11640.002	10.844	6.536	2.018
7/2/2020 12:36	11700.002	10.842	6.536	2.018
7/2/2020 12:37	11760.002	10.843	6.537	2.017
7/2/2020 12:38	11820.002	10.841	6.535	2.018
7/2/2020 12:39	11880.002	10.839	6.537	2.017
7/2/2020 12:40	11940.002	10.843	6.535	2.018
7/2/2020 12:41	12000.002	10.844	6.536	2.018
7/2/2020 12:42	12060.002	10.841	6.538	2.017
7/2/2020 12:43	12120.002	10.842	6.544	2.014
7/2/2020 12:44	12180.002	10.841	6.538	2.017
7/2/2020 12:45	12240.002	10.841	6.541	2.016
7/2/2020 12:46	12300.002	10.841	6.542	2.015
7/2/2020 12:47	12360.002	10.842	6.543	2.015
7/2/2020 12:48	12420.002	10.839	6.543	2.015
7/2/2020 12:49	12480.002	10.838	6.544	2.014
7/2/2020 12:50	12540.002	10.844	6.549	2.012
7/2/2020 12:51	12600.002	10.841	6.546	2.013
7/2/2020 12:52	12660.002	10.841	6.55	2.011
7/2/2020 12:53	12720.002	10.842	6.546	2.014

7/2/2020 12:54	12780.002	10.838	6.545	2.014
7/2/2020 12:55	12840.002	10.838	6.548	2.013
7/2/2020 12:56	12900.002	10.837	6.543	2.015
7/2/2020 12:57	12960.002	10.841	6.546	2.013
7/2/2020 12:58	13020.002	10.838	6.55	2.012
7/2/2020 12:59	13080.002	10.839	6.551	2.011
7/2/2020 13:00	13140.002	10.842	6.547	2.013
7/2/2020 13:01	13200.002	10.837	6.549	2.012
7/2/2020 13:02	13260.002	10.838	6.551	2.011
7/2/2020 13:03	13320.002	10.837	6.558	2.008
7/2/2020 13:04	13380.002	10.838	6.556	2.009
7/2/2020 13:05	13440.002	10.839	6.552	2.011
7/2/2020 13:06	13500.002	10.837	6.555	2.01
7/2/2020 13:07	13560.002	10.84	6.558	2.008
7/2/2020 13:08	13620.002	10.839	6.558	2.008
7/2/2020 13:09	13680.002	10.837	6.557	2.009
7/2/2020 13:10	13740.002	10.84	6.561	2.007
7/2/2020 13:11	13800.002	10.839	6.562	2.007
7/2/2020 13:12	13860.002	10.839	6.559	2.008
7/2/2020 13:13	13920.002	10.837	6.562	2.007
7/2/2020 13:14	13980.002	10.837	6.562	2.006
7/2/2020 13:15	14040.002	10.838	6.562	2.007
7/2/2020 13:16	14100.002	10.835	6.565	2.005
7/2/2020 13:17	14160.002	10.836	6.56	2.007
7/2/2020 13:18	14220.002	10.84	6.562	2.007
7/2/2020 13:19	14280.002	10.836	6.566	2.005
7/2/2020 13:20	14340.002	10.838	6.563	2.006
7/2/2020 13:21	14400.002	10.838	6.57	2.003
7/2/2020 13:22	14460.002	10.836	6.57	2.003
7/2/2020 13:23	14520.002	10.838	6.564	2.006
7/2/2020 13:24	14580.002	10.837	6.566	2.005
7/2/2020 13:25	14640.002	10.84	6.569	2.004
7/2/2020 13:26	14700.002	10.839	6.563	2.006
7/2/2020 13:27	14760.002	10.837	6.57	2.003
7/2/2020 13:28	14820.002	10.837	6.566	2.005
7/2/2020 13:29	14880.002	10.84	6.565	2.005
7/2/2020 13:30	14940.002	10.836	6.569	2.003
7/2/2020 13:31	15000.002	10.838	6.572	2.002
7/2/2020 13:32	15060.002	10.836	6.568	2.004
7/2/2020 13:33	15120.002	10.837	6.569	2.003
7/2/2020 13:34	15180.002	10.838	6.569	2.003
7/2/2020 13:35	15240.002	10.836	6.574	2.001
7/2/2020 13:36	15300.002	10.837	6.569	2.003
7/2/2020 13:37	15360.002	10.838	6.576	2
7/2/2020 13:38	15420.002	10.839	6.576	2
7/2/2020 13:39	15480.002	10.837	6.579	1.999
7/2/2020 13:40	15540.002	10.837	6.576	2
7/2/2020 13:41	15600.002	10.834	6.573	2.002
7/2/2020 13:42	15660.002	10.837	6.579	1.999
7/2/2020 13:43	15720.002	10.834	6.576	2
7/2/2020 13:44	15780.002	10.835	6.58	1.999
7/2/2020 13:45	15840.002	10.836	6.582	1.998
7/2/2020 13:46	15900.002	10.837	6.584	1.997
7/2/2020 13:47	15960.002	10.834	6.578	2
7/2/2020 13:48	16020.002	10.839	6.581	1.998
7/2/2020 13:49	16080.002	10.837	6.582	1.998
7/2/2020 13:50	16140.002	10.833	6.583	1.997
7/2/2020 13:51	16200.002	10.836	6.576	2
7/2/2020 13:52	16260.002	10.837	6.583	1.997
7/2/2020 13:53	16320.002	10.836	6.588	1.995
7/2/2020 13:54	16380.002	10.837	6.581	1.998
7/2/2020 13:55	16440.002	10.839	6.582	1.998
7/2/2020 13:56	16500.002	10.835	6.582	1.998
7/2/2020 13:57	16560.002	10.836	6.584	1.997
7/2/2020 13:58	16620.002	10.836	6.579	1.999
7/2/2020 13:59	16680.002	10.835	6.585	1.996
7/2/2020 14:00	16740.002	10.836	6.589	1.995
7/2/2020 14:01	16800.002	10.836	6.582	1.998
7/2/2020 14:02	16860.002	10.834	6.589	1.995
7/2/2020 14:03	16920.002	10.834	6.59	1.994
7/2/2020 14:04	16980.002	10.834	6.594	1.993
7/2/2020 14:05	17040.002	10.833	6.589	1.995
7/2/2020 14:06	17100.002	10.836	6.586	1.996

7/2/2020 14:07	17160.002	10.835	6.592	1.993
7/2/2020 14:08	17220.002	10.834	6.595	1.992
7/2/2020 14:09	17280.002	10.836	6.589	1.995
7/2/2020 14:10	17340.002	10.834	6.594	1.993
7/2/2020 14:11	17400.002	10.837	6.594	1.993
7/2/2020 14:12	17460.002	10.834	6.595	1.992
7/2/2020 14:13	17520.002	10.837	6.594	1.993
7/2/2020 14:14	17580.002	10.837	6.595	1.992
7/2/2020 14:15	17640.002	10.837	6.601	1.989
7/2/2020 14:16	17700.002	10.834	6.601	1.989
7/2/2020 14:17	17760.002	10.835	6.601	1.99
7/2/2020 14:18	17820.002	10.836	6.6	1.99
7/2/2020 14:19	17880.002	10.833	6.605	1.988
7/2/2020 14:20	17940.002	10.834	6.608	1.987
7/2/2020 14:21	18000.002	10.834	6.604	1.989
7/2/2020 14:22	18060.002	10.835	6.594	1.992
7/2/2020 14:23	18120.002	10.835	6.6	1.99
7/2/2020 14:24	18180.002	10.833	6.599	1.99
7/2/2020 14:25	18240.002	10.834	6.603	1.989
7/2/2020 14:26	18300.002	10.837	6.603	1.989
7/2/2020 14:27	18360.002	10.833	6.602	1.989
7/2/2020 14:28	18420.002	10.833	6.601	1.99
7/2/2020 14:29	18480.002	10.834	6.604	1.988
7/2/2020 14:30	18540.002	10.836	6.612	1.985
7/2/2020 14:31	18600.002	10.835	6.608	1.987
7/2/2020 14:32	18660.002	10.836	6.607	1.987
7/2/2020 14:33	18720.002	10.833	6.607	1.987
7/2/2020 14:34	18780.002	10.833	6.608	1.986
7/2/2020 14:35	18840.002	10.834	6.613	1.985
7/2/2020 14:36	18900.002	10.837	6.608	1.987
7/2/2020 14:37	18960.002	10.836	6.609	1.986
7/2/2020 14:38	19020.002	10.837	6.612	1.985
7/2/2020 14:39	19080.002	10.832	6.607	1.987
7/2/2020 14:40	19140.002	10.833	6.607	1.987
7/2/2020 14:41	19200.002	10.836	6.609	1.986
7/2/2020 14:42	19260.002	10.837	6.613	1.984
7/2/2020 14:43	19320.002	10.836	6.617	1.983
7/2/2020 14:44	19380.002	10.837	6.614	1.984
7/2/2020 14:45	19440.002	10.836	6.616	1.983
7/2/2020 14:46	19500.002	10.836	6.614	1.984
7/2/2020 14:47	19560.002	10.833	6.616	1.983
7/2/2020 14:48	19620.002	10.834	6.62	1.981
7/2/2020 14:49	19680.002	10.836	6.62	1.981
7/2/2020 14:50	19740.002	10.834	6.615	1.983
7/2/2020 14:51	19800.002	10.833	6.614	1.984
7/2/2020 14:52	19860.002	10.834	6.617	1.983
7/2/2020 14:53	19920.002	10.837	6.616	1.983
7/2/2020 14:54	19980.002	10.832	6.622	1.98
7/2/2020 14:55	20040.002	10.834	6.618	1.982
7/2/2020 14:56	20100.002	10.836	6.619	1.982
7/2/2020 14:57	20160.002	10.835	6.621	1.981
7/2/2020 14:58	20220.002	10.834	6.625	1.979
7/2/2020 14:59	20280.002	10.835	6.622	1.98
7/2/2020 15:00	20340.002	10.836	6.617	1.983
7/2/2020 15:01	20400.002	10.836	6.621	1.981
7/2/2020 15:02	20460.002	10.835	6.619	1.982
7/2/2020 15:03	20520.002	10.834	6.626	1.979
7/2/2020 15:04	20580.002	10.835	6.623	1.98
7/2/2020 15:05	20640.002	10.835	6.627	1.979
7/2/2020 15:06	20700.002	10.834	6.629	1.978
7/2/2020 15:07	20760.002	10.835	6.625	1.979
7/2/2020 15:08	20820.002	10.833	6.628	1.978
7/2/2020 15:09	20880.002	10.837	6.628	1.978
7/2/2020 15:10	20940.002	10.834	6.631	1.977
7/2/2020 15:11	21000.002	10.836	6.629	1.977
7/2/2020 15:12	21060.002	10.836	6.629	1.977
7/2/2020 15:13	21120.002	10.834	6.631	1.977
7/2/2020 15:14	21180.002	10.836	6.634	1.975
7/2/2020 15:15	21240.002	10.833	6.631	1.977
7/2/2020 15:16	21300.002	10.837	6.633	1.976
7/2/2020 15:17	21360.002	10.835	6.638	1.974
7/2/2020 15:18	21420.002	10.835	6.629	1.977
7/2/2020 15:19	21480.002	10.835	6.636	1.974

7/2/2020 15:20	21540.002	10.835	6.631	1.977
7/2/2020 15:21	21600.002	10.833	6.636	1.974
7/2/2020 15:22	21660.002	10.838	6.64	1.973
7/2/2020 15:23	21720.002	10.837	6.637	1.974
7/2/2020 15:24	21780.002	10.833	6.636	1.974
7/2/2020 15:25	21840.002	10.834	6.641	1.972
7/2/2020 15:26	21900.002	10.836	6.637	1.974
7/2/2020 15:27	21960.002	10.833	6.637	1.974
7/2/2020 15:28	22020.002	10.835	6.637	1.974
7/2/2020 15:29	22080.002	10.836	6.643	1.972
7/2/2020 15:30	22140.002	10.836	6.639	1.973
7/2/2020 15:31	22200.002	10.834	6.638	1.974
7/2/2020 15:32	22260.002	10.837	6.646	1.97
7/2/2020 15:33	22320.002	10.836	6.645	1.971
7/2/2020 15:34	22380.002	10.836	6.642	1.972
7/2/2020 15:35	22440.002	10.836	6.644	1.971
7/2/2020 15:36	22500.002	10.833	6.646	1.97
7/2/2020 15:37	22560.002	10.836	6.643	1.971
7/2/2020 15:38	22620.002	10.835	6.644	1.971
7/2/2020 15:39	22680.002	10.833	6.645	1.971
7/2/2020 15:40	22740.002	10.837	6.648	1.969
7/2/2020 15:41	22800.002	10.834	6.645	1.971
7/2/2020 15:42	22860.002	10.838	6.649	1.969
7/2/2020 15:43	22920.002	10.837	6.649	1.969
7/2/2020 15:44	22980.002	10.835	6.647	1.97
7/2/2020 15:45	23040.002	10.839	6.652	1.968
7/2/2020 15:46	23100.002	10.837	6.646	1.97
7/2/2020 15:47	23160.002	10.835	6.647	1.97
7/2/2020 15:48	23220.002	10.834	6.65	1.968
7/2/2020 15:49	23280.002	10.836	6.651	1.968
7/2/2020 15:50	23340.002	10.837	6.649	1.969
7/2/2020 15:51	23400.002	10.836	6.652	1.968
7/2/2020 15:52	23460.002	10.837	6.649	1.969
7/2/2020 15:53	23520.002	10.834	6.658	1.965
7/2/2020 15:54	23580.002	10.837	6.651	1.968
7/2/2020 15:55	23640.002	10.836	6.655	1.966
7/2/2020 15:56	23700.002	10.833	6.652	1.968
7/2/2020 15:57	23760.002	10.836	6.658	1.965
7/2/2020 15:58	23820.002	10.834	6.655	1.966
7/2/2020 15:59	23880.002	10.834	6.657	1.965
7/2/2020 16:00	23940.002	10.836	6.656	1.966
7/2/2020 16:01	24000.002	10.836	6.657	1.965
7/2/2020 16:02	24060.002	10.834	6.658	1.965
7/2/2020 16:03	24120.002	10.837	6.66	1.964
7/2/2020 16:04	24180.002	10.837	6.658	1.965
7/2/2020 16:05	24240.002	10.835	6.656	1.966
7/2/2020 16:06	24300.002	10.836	6.666	1.962
7/2/2020 16:07	24360.002	10.835	6.664	1.962
7/2/2020 16:08	24420.002	10.835	6.657	1.965
7/2/2020 16:09	24480.002	10.838	6.663	1.963
7/2/2020 16:10	24540.002	10.837	6.661	1.964
7/2/2020 16:11	24600.002	10.834	6.662	1.963
7/2/2020 16:12	24660.002	10.837	6.666	1.961
7/2/2020 16:13	24720.002	10.836	6.661	1.964
7/2/2020 16:14	24780.002	10.835	6.662	1.963
7/2/2020 16:15	24840.002	10.837	6.664	1.962
7/2/2020 16:16	24900.002	10.836	6.663	1.963
7/2/2020 16:17	24960.002	10.834	6.668	1.961
7/2/2020 16:18	25020.002	10.836	6.666	1.961
7/2/2020 16:19	25080.002	10.839	6.665	1.962
7/2/2020 16:20	25140.002	10.836	6.666	1.962
7/2/2020 16:21	25200.002	10.835	6.667	1.961
7/2/2020 16:22	25260.002	10.835	6.669	1.96
7/2/2020 16:23	25320.002	10.833	6.676	1.957
7/2/2020 16:24	25380.002	10.836	6.667	1.961
7/2/2020 16:25	25440.002	10.835	6.674	1.958
7/2/2020 16:26	25500.002	10.832	6.672	1.959
7/2/2020 16:27	25560.002	10.835	6.67	1.96
7/2/2020 16:28	25620.002	10.836	6.671	1.959
7/2/2020 16:29	25680.002	10.836	6.67	1.96
7/2/2020 16:30	25740.002	10.838	6.671	1.959
7/2/2020 16:31	25800.002	10.837	6.675	1.958
7/2/2020 16:32	25860.002	10.837	6.678	1.956

7/2/2020 16:33	25920.002	10.836	6.676	1.957
7/2/2020 16:34	25980.002	10.833	6.675	1.957
7/2/2020 16:35	26040.002	10.837	6.674	1.958
7/2/2020 16:36	26100.002	10.835	6.677	1.957
7/2/2020 16:37	26160.002	10.834	6.676	1.957
7/2/2020 16:38	26220.002	10.836	6.679	1.956
7/2/2020 16:39	26280.002	10.838	6.677	1.957
7/2/2020 16:40	26340.002	10.834	6.678	1.956
7/2/2020 16:41	26400.002	10.834	6.679	1.956
7/2/2020 16:42	26460.002	10.838	6.682	1.954
7/2/2020 16:43	26520.024	10.841	6.671	1.959
7/2/2020 16:44	26580.002	10.842	6.68	1.955
7/2/2020 16:45	26640.002	10.843	6.679	1.956
7/2/2020 16:46	26700.002	10.847	6.676	1.957
7/2/2020 16:47	26760.002	10.849	6.685	1.953
7/2/2020 16:48	26820.002	10.844	6.684	1.954
7/2/2020 16:49	26880.002	10.841	6.682	1.954
7/2/2020 16:50	26940.002	10.837	6.681	1.955
7/2/2020 16:51	27000.002	10.837	6.684	1.954
7/2/2020 16:52	27060.002	10.836	6.685	1.953
7/2/2020 16:53	27120.002	10.836	6.684	1.954
7/2/2020 16:54	27180.002	10.835	6.685	1.953
7/2/2020 16:55	27240.002	10.839	6.689	1.951
7/2/2020 16:56	27300.002	10.837	6.686	1.953
7/2/2020 16:57	27360.002	10.836	6.687	1.952
7/2/2020 16:58	27420.002	10.835	6.687	1.952
7/2/2020 16:59	27480.002	10.838	6.691	1.95
7/2/2020 17:00	27540.002	10.836	6.691	1.951
7/2/2020 17:01	27600.002	10.837	6.69	1.951
7/2/2020 17:02	27660.002	10.833	6.688	1.952
7/2/2020 17:03	27720.002	10.836	6.693	1.95
7/2/2020 17:04	27780.002	10.837	6.692	1.95
7/2/2020 17:05	27840.002	10.834	6.69	1.951
7/2/2020 17:06	27900.002	10.837	6.692	1.95
7/2/2020 17:07	27960.002	10.839	6.693	1.95
7/2/2020 17:08	28020.002	10.837	6.693	1.95
7/2/2020 17:09	28080.002	10.834	6.695	1.949
7/2/2020 17:10	28140.002	10.837	6.694	1.949
7/2/2020 17:11	28200.002	10.839	6.693	1.95
7/2/2020 17:12	28260.002	10.835	6.693	1.95
7/2/2020 17:13	28320.002	10.835	6.697	1.948
7/2/2020 17:14	28380.002	10.838	6.697	1.948
7/2/2020 17:15	28440.002	10.835	6.698	1.948
7/2/2020 17:16	28500.002	10.837	6.699	1.947
7/2/2020 17:17	28560.002	10.837	6.699	1.947
7/2/2020 17:18	28620.002	10.837	6.698	1.948
7/2/2020 17:19	28680.002	10.837	6.695	1.949
7/2/2020 17:20	28740.002	10.836	6.697	1.948
7/2/2020 17:21	28800.002	10.837	6.699	1.947
7/2/2020 17:22	28860.002	10.837	6.706	1.944
7/2/2020 17:23	28920.002	10.837	6.701	1.946
7/2/2020 17:24	28980.002	10.839	6.699	1.947
7/2/2020 17:25	29040.002	10.836	6.703	1.946
7/2/2020 17:26	29100.002	10.835	6.701	1.946
7/2/2020 17:27	29160.002	10.838	6.705	1.944
7/2/2020 17:28	29220.002	10.837	6.704	1.945
7/2/2020 17:29	29280.002	10.839	6.708	1.943
7/2/2020 17:30	29340.002	10.838	6.708	1.943
7/2/2020 17:31	29400.002	10.838	6.708	1.943
7/2/2020 17:32	29460.002	10.836	6.706	1.944
7/2/2020 17:33	29520.002	10.84	6.705	1.945
7/2/2020 17:34	29580.002	10.836	6.705	1.944
7/2/2020 17:35	29640.002	10.837	6.707	1.943
7/2/2020 17:36	29700.002	10.839	6.712	1.941
7/2/2020 17:37	29760.002	10.837	6.707	1.943
7/2/2020 17:38	29820.002	10.838	6.71	1.942
7/2/2020 17:39	29880.002	10.837	6.711	1.942
7/2/2020 17:40	29940.002	10.838	6.71	1.942
7/2/2020 17:41	30000.002	10.838	6.708	1.943
7/2/2020 17:42	30060.002	10.836	6.712	1.941
7/2/2020 17:43	30120.002	10.839	6.712	1.942
7/2/2020 17:44	30180.002	10.839	6.712	1.942
7/2/2020 17:45	30240.002	10.838	6.713	1.941

7/2/2020 17:46	30300.002	10.838	6.712	1.942
7/2/2020 17:47	30360.002	10.838	6.711	1.942
7/2/2020 17:48	30420.002	10.839	6.718	1.939
7/2/2020 17:49	30480.002	10.838	6.713	1.941
7/2/2020 17:50	30540.002	10.839	6.718	1.939
7/2/2020 17:51	30600.002	10.839	6.717	1.939
7/2/2020 17:52	30660.002	10.841	6.717	1.939
7/2/2020 17:53	30720.002	10.839	6.716	1.94
7/2/2020 17:54	30780.002	10.837	6.715	1.94
7/2/2020 17:55	30840.002	10.839	6.717	1.94
7/2/2020 17:56	30900.002	10.841	6.716	1.94
7/2/2020 17:57	30960.002	10.838	6.72	1.938
7/2/2020 17:58	31020.002	10.839	6.721	1.938
7/2/2020 17:59	31080.002	10.839	6.719	1.939
7/2/2020 18:00	31140.002	10.837	6.72	1.938
7/2/2020 18:01	31200.002	10.838	6.718	1.939
7/2/2020 18:02	31260.002	10.837	6.724	1.936
7/2/2020 18:03	31320.002	10.836	6.722	1.937
7/2/2020 18:04	31380.002	10.84	6.721	1.938
7/2/2020 18:05	31440.002	10.841	6.722	1.937
7/2/2020 18:06	31500.002	10.838	6.723	1.937
7/2/2020 18:07	31560.002	10.839	6.722	1.937
7/2/2020 18:08	31620.002	10.841	6.724	1.936
7/2/2020 18:09	31680.002	10.839	6.725	1.936
7/2/2020 18:10	31740.002	10.837	6.723	1.937
7/2/2020 18:11	31800.002	10.839	6.73	1.934
7/2/2020 18:12	31860.002	10.839	6.729	1.934
7/2/2020 18:13	31920.002	10.839	6.728	1.935
7/2/2020 18:14	31980.002	10.837	6.73	1.934
7/2/2020 18:15	32040.002	10.838	6.729	1.934
7/2/2020 18:16	32100.002	10.841	6.729	1.934
7/2/2020 18:17	32160.002	10.838	6.726	1.936
7/2/2020 18:18	32220.002	10.837	6.726	1.935
7/2/2020 18:19	32280.002	10.839	6.729	1.934
7/2/2020 18:20	32340.002	10.84	6.73	1.934
7/2/2020 18:21	32400.002	10.841	6.73	1.934
7/2/2020 18:22	32460.002	10.842	6.732	1.933
7/2/2020 18:23	32520.002	10.84	6.733	1.932
7/2/2020 18:24	32580.002	10.839	6.728	1.935
7/2/2020 18:25	32640.002	10.84	6.732	1.933
7/2/2020 18:26	32700.002	10.837	6.732	1.933
7/2/2020 18:27	32760.002	10.839	6.733	1.932
7/2/2020 18:28	32820.002	10.84	6.732	1.933
7/2/2020 18:29	32880.002	10.841	6.733	1.932
7/2/2020 18:30	32940.002	10.838	6.737	1.931
7/2/2020 18:31	33000.002	10.839	6.736	1.931
7/2/2020 18:32	33060.002	10.838	6.734	1.932
7/2/2020 18:33	33120.002	10.842	6.735	1.932
7/2/2020 18:34	33180.002	10.839	6.739	1.93
7/2/2020 18:35	33240.002	10.838	6.738	1.93
7/2/2020 18:36	33300.002	10.839	6.74	1.929
7/2/2020 18:37	33360.002	10.84	6.737	1.931
7/2/2020 18:38	33420.002	10.837	6.738	1.93
7/2/2020 18:39	33480.002	10.841	6.737	1.931
7/2/2020 18:40	33540.002	10.839	6.74	1.93
7/2/2020 18:41	33600.002	10.838	6.74	1.929
7/2/2020 18:42	33660.002	10.839	6.739	1.93
7/2/2020 18:43	33720.002	10.841	6.739	1.93
7/2/2020 18:44	33780.002	10.842	6.74	1.93
7/2/2020 18:45	33840.002	10.841	6.744	1.928
7/2/2020 18:46	33900.002	10.842	6.745	1.927
7/2/2020 18:47	33960.002	10.84	6.741	1.929
7/2/2020 18:48	34020.002	10.84	6.742	1.928
7/2/2020 18:49	34080.002	10.838	6.746	1.927
7/2/2020 18:50	34140.002	10.839	6.747	1.926
7/2/2020 18:51	34200.002	10.837	6.742	1.928
7/2/2020 18:52	34260.002	10.841	6.744	1.928
7/2/2020 18:53	34320.002	10.839	6.747	1.927
7/2/2020 18:54	34380.002	10.84	6.748	1.926
7/2/2020 18:55	34440.002	10.841	6.746	1.927
7/2/2020 18:56	34500.002	10.839	6.745	1.927
7/2/2020 18:57	34560.002	10.839	6.747	1.926
7/2/2020 18:58	34620.002	10.839	6.747	1.927

7/2/2020 18:59	34680.002	10.842	6.749	1.926
7/2/2020 19:00	34740.002	10.842	6.75	1.925
7/2/2020 19:01	34800.002	10.84	6.752	1.924
7/2/2020 19:02	34860.002	10.84	6.751	1.925
7/2/2020 19:03	34920.002	10.842	6.75	1.925
7/2/2020 19:04	34980.002	10.839	6.752	1.924
7/2/2020 19:05	35040.002	10.84	6.752	1.924
7/2/2020 19:06	35100.002	10.839	6.75	1.925
7/2/2020 19:07	35160.002	10.841	6.754	1.923
7/2/2020 19:08	35220.002	10.84	6.754	1.923
7/2/2020 19:09	35280.002	10.839	6.755	1.923
7/2/2020 19:10	35340.002	10.841	6.755	1.923
7/2/2020 19:11	35400.002	10.839	6.755	1.923
7/2/2020 19:12	35460.002	10.84	6.759	1.921
7/2/2020 19:13	35520.002	10.84	6.757	1.922
7/2/2020 19:14	35580.002	10.843	6.755	1.923
7/2/2020 19:15	35640.002	10.84	6.756	1.922
7/2/2020 19:16	35700.002	10.841	6.754	1.923
7/2/2020 19:17	35760.002	10.839	6.757	1.922
7/2/2020 19:18	35820.002	10.842	6.758	1.922
7/2/2020 19:19	35880.002	10.841	6.757	1.922
7/2/2020 19:20	35940.002	10.839	6.761	1.92
7/2/2020 19:21	36000.002	10.842	6.761	1.921
7/2/2020 19:22	36060.002	10.842	6.763	1.919
7/2/2020 19:23	36120.002	10.843	6.764	1.919
7/2/2020 19:24	36180.002	10.84	6.76	1.921
7/2/2020 19:25	36240.002	10.841	6.76	1.921
7/2/2020 19:26	36300.002	10.841	6.762	1.92
7/2/2020 19:27	36360.002	10.842	6.763	1.92
7/2/2020 19:28	36420.002	10.842	6.762	1.92
7/2/2020 19:29	36480.002	10.841	6.759	1.921
7/2/2020 19:30	36540.002	10.842	6.763	1.919
7/2/2020 19:31	36600.002	10.841	6.763	1.919
7/2/2020 19:32	36660.002	10.84	6.766	1.918
7/2/2020 19:33	36720.002	10.842	6.764	1.919
7/2/2020 19:34	36780.002	10.844	6.765	1.919
7/2/2020 19:35	36840.002	10.841	6.765	1.919
7/2/2020 19:36	36900.002	10.842	6.764	1.919
7/2/2020 19:37	36960.002	10.844	6.768	1.917
7/2/2020 19:38	37020.002	10.84	6.767	1.918
7/2/2020 19:39	37080.002	10.841	6.768	1.917
7/2/2020 19:40	37140.002	10.84	6.768	1.917
7/2/2020 19:41	37200.002	10.842	6.768	1.917
7/2/2020 19:42	37260.002	10.842	6.769	1.917
7/2/2020 19:43	37320.002	10.844	6.769	1.917
7/2/2020 19:44	37380.002	10.842	6.767	1.918
7/2/2020 19:45	37440.002	10.844	6.774	1.915
7/2/2020 19:46	37500.002	10.841	6.772	1.916
7/2/2020 19:47	37560.002	10.843	6.773	1.915
7/2/2020 19:48	37620.002	10.842	6.77	1.916
7/2/2020 19:49	37680.002	10.842	6.771	1.916
7/2/2020 19:50	37740.002	10.84	6.775	1.914
7/2/2020 19:51	37800.002	10.843	6.774	1.915
7/2/2020 19:52	37860.002	10.841	6.77	1.916
7/2/2020 19:53	37920.002	10.845	6.775	1.914
7/2/2020 19:54	37980.002	10.839	6.775	1.914
7/2/2020 19:55	38040.002	10.842	6.777	1.913
7/2/2020 19:56	38100.002	10.841	6.775	1.914
7/2/2020 19:57	38160.002	10.84	6.777	1.913
7/2/2020 19:58	38220.002	10.841	6.776	1.914
7/2/2020 19:59	38280.002	10.84	6.774	1.915
7/2/2020 20:00	38340.002	10.845	6.775	1.914
7/2/2020 20:01	38400.002	10.843	6.774	1.915
7/2/2020 20:02	38460.002	10.842	6.777	1.913
7/2/2020 20:03	38520.002	10.843	6.776	1.914
7/2/2020 20:04	38580.002	10.844	6.783	1.911
7/2/2020 20:05	38640.002	10.844	6.777	1.913
7/2/2020 20:06	38700.002	10.842	6.779	1.913
7/2/2020 20:07	38760.002	10.843	6.78	1.912
7/2/2020 20:08	38820.002	10.844	6.785	1.91
7/2/2020 20:09	38880.002	10.843	6.781	1.912
7/2/2020 20:10	38940.002	10.843	6.781	1.912
7/2/2020 20:11	39000.002	10.843	6.782	1.911

7/2/2020 20:12	39060.002	10.842	6.781	1.912
7/2/2020 20:13	39120.002	10.844	6.784	1.91
7/2/2020 20:14	39180.002	10.841	6.784	1.91
7/2/2020 20:15	39240.002	10.843	6.788	1.909
7/2/2020 20:16	39300.002	10.843	6.787	1.909
7/2/2020 20:17	39360.002	10.843	6.786	1.909
7/2/2020 20:18	39420.002	10.843	6.785	1.91
7/2/2020 20:19	39480.002	10.845	6.789	1.908
7/2/2020 20:20	39540.002	10.845	6.789	1.908
7/2/2020 20:21	39600.002	10.844	6.786	1.909
7/2/2020 20:22	39660.002	10.845	6.791	1.907
7/2/2020 20:23	39720.002	10.842	6.792	1.907
7/2/2020 20:24	39780.002	10.843	6.789	1.908
7/2/2020 20:25	39840.002	10.843	6.788	1.909
7/2/2020 20:26	39900.002	10.843	6.791	1.907
7/2/2020 20:27	39960.002	10.842	6.791	1.908
7/2/2020 20:28	40020.002	10.842	6.79	1.908
7/2/2020 20:29	40080.002	10.841	6.792	1.907
7/2/2020 20:30	40140.002	10.844	6.793	1.906
7/2/2020 20:31	40200.002	10.841	6.791	1.907
7/2/2020 20:32	40260.002	10.845	6.795	1.906
7/2/2020 20:33	40320.002	10.843	6.793	1.906
7/2/2020 20:34	40380.002	10.84	6.793	1.907
7/2/2020 20:35	40440.002	10.845	6.796	1.905
7/2/2020 20:36	40500.002	10.842	6.797	1.905
7/2/2020 20:37	40560.002	10.843	6.794	1.906
7/2/2020 20:38	40620.002	10.843	6.796	1.905
7/2/2020 20:39	40680.002	10.842	6.794	1.906
7/2/2020 20:40	40740.002	10.844	6.796	1.905
7/2/2020 20:41	40800.002	10.843	6.799	1.904
7/2/2020 20:42	40860.002	10.845	6.797	1.905
7/2/2020 20:43	40920.002	10.843	6.796	1.905
7/2/2020 20:44	40980.002	10.841	6.796	1.905
7/2/2020 20:45	41040.002	10.843	6.798	1.904
7/2/2020 20:46	41100.002	10.841	6.799	1.904
7/2/2020 20:47	41160.002	10.843	6.797	1.905
7/2/2020 20:48	41220.002	10.845	6.8	1.903
7/2/2020 20:49	41280.002	10.845	6.8	1.903
7/2/2020 20:50	41340.002	10.845	6.799	1.904
7/2/2020 20:51	41400.002	10.842	6.8	1.904
7/2/2020 20:52	41460.002	10.844	6.801	1.903
7/2/2020 20:53	41520.002	10.846	6.804	1.902
7/2/2020 20:54	41580.002	10.845	6.802	1.903
7/2/2020 20:55	41640.002	10.843	6.803	1.902
7/2/2020 20:56	41700.002	10.845	6.801	1.903
7/2/2020 20:57	41760.002	10.843	6.801	1.903
7/2/2020 20:58	41820.002	10.844	6.802	1.903
7/2/2020 20:59	41880.002	10.844	6.803	1.902
7/2/2020 21:00	41940.002	10.845	6.803	1.902
7/2/2020 21:01	42000.002	10.846	6.806	1.901
7/2/2020 21:02	42060.002	10.846	6.804	1.902
7/2/2020 21:03	42120.002	10.845	6.808	1.9
7/2/2020 21:04	42180.002	10.842	6.808	1.9
7/2/2020 21:05	42240.002	10.845	6.804	1.902
7/2/2020 21:06	42300.002	10.843	6.807	1.9
7/2/2020 21:07	42360.002	10.845	6.807	1.9
7/2/2020 21:08	42420.002	10.844	6.808	1.9
7/2/2020 21:09	42480.002	10.844	6.809	1.9
7/2/2020 21:10	42540.002	10.845	6.809	1.899
7/2/2020 21:11	42600.002	10.843	6.81	1.899
7/2/2020 21:12	42660.002	10.845	6.811	1.899
7/2/2020 21:13	42720.002	10.844	6.808	1.9
7/2/2020 21:14	42780.002	10.845	6.809	1.9
7/2/2020 21:15	42840.002	10.843	6.813	1.898
7/2/2020 21:16	42900.002	10.845	6.815	1.897
7/2/2020 21:17	42960.002	10.844	6.809	1.899
7/2/2020 21:18	43020.002	10.845	6.813	1.898
7/2/2020 21:19	43080.002	10.845	6.814	1.897
7/2/2020 21:20	43140.002	10.843	6.815	1.897
7/2/2020 21:21	43200.002	10.842	6.813	1.898
7/2/2020 21:22	43260.002	10.846	6.816	1.897
7/2/2020 21:23	43320.002	10.845	6.816	1.897
7/2/2020 21:24	43380.002	10.845	6.817	1.896

7/2/2020 21:25	43440.002	10.845	6.816	1.896
7/2/2020 21:26	43500.002	10.846	6.811	1.898
7/2/2020 21:27	43560.002	10.843	6.814	1.897
7/2/2020 21:28	43620.002	10.846	6.814	1.897
7/2/2020 21:29	43680.002	10.845	6.813	1.898
7/2/2020 21:30	43740.002	10.846	6.818	1.896
7/2/2020 21:31	43800.002	10.848	6.816	1.896
7/2/2020 21:32	43860.002	10.845	6.817	1.896
7/2/2020 21:33	43920.002	10.843	6.82	1.895
7/2/2020 21:34	43980.002	10.844	6.819	1.895
7/2/2020 21:35	44040.002	10.843	6.822	1.894
7/2/2020 21:36	44100.002	10.846	6.82	1.895
7/2/2020 21:37	44160.002	10.847	6.822	1.894
7/2/2020 21:38	44220.002	10.848	6.819	1.895
7/2/2020 21:39	44280.002	10.849	6.82	1.895
7/2/2020 21:40	44340.002	10.848	6.825	1.892
7/2/2020 21:41	44400.002	10.844	6.82	1.895
7/2/2020 21:42	44460.002	10.845	6.817	1.896
7/2/2020 21:43	44520.002	10.844	6.825	1.892
7/2/2020 21:44	44580.002	10.847	6.826	1.892
7/2/2020 21:45	44640.002	10.846	6.823	1.894
7/2/2020 21:46	44700.002	10.845	6.827	1.892
7/2/2020 21:47	44760.002	10.846	6.824	1.893
7/2/2020 21:48	44820.002	10.845	6.83	1.891
7/2/2020 21:49	44880.002	10.845	6.826	1.892
7/2/2020 21:50	44940.002	10.846	6.824	1.893
7/2/2020 21:51	45000.002	10.845	6.825	1.893
7/2/2020 21:52	45060.002	10.848	6.826	1.892
7/2/2020 21:53	45120.002	10.847	6.826	1.892
7/2/2020 21:54	45180.002	10.846	6.829	1.891
7/2/2020 21:55	45240.002	10.844	6.824	1.893
7/2/2020 21:56	45300.002	10.845	6.831	1.89
7/2/2020 21:57	45360.002	10.849	6.83	1.89
7/2/2020 21:58	45420.002	10.845	6.83	1.891
7/2/2020 21:59	45480.002	10.848	6.832	1.89
7/2/2020 22:00	45540.002	10.846	6.829	1.891
7/2/2020 22:01	45600.002	10.849	6.83	1.891
7/2/2020 22:02	45660.002	10.848	6.832	1.889
7/2/2020 22:03	45720.002	10.845	6.831	1.89
7/2/2020 22:04	45780.002	10.844	6.834	1.889
7/2/2020 22:05	45840.002	10.845	6.834	1.889
7/2/2020 22:06	45900.002	10.848	6.833	1.889
7/2/2020 22:07	45960.002	10.845	6.834	1.889
7/2/2020 22:08	46020.002	10.846	6.833	1.889
7/2/2020 22:09	46080.002	10.847	6.835	1.888
7/2/2020 22:10	46140.002	10.845	6.832	1.89
7/2/2020 22:11	46200.002	10.849	6.832	1.889
7/2/2020 22:12	46260.002	10.847	6.836	1.888
7/2/2020 22:13	46320.002	10.846	6.838	1.887
7/2/2020 22:14	46380.002	10.847	6.835	1.888
7/2/2020 22:15	46440.002	10.847	6.836	1.888
7/2/2020 22:16	46500.002	10.847	6.834	1.889
7/2/2020 22:17	46560.002	10.847	6.838	1.887
7/2/2020 22:18	46620.002	10.845	6.839	1.887
7/2/2020 22:19	46680.002	10.847	6.84	1.886
7/2/2020 22:20	46740.002	10.846	6.842	1.885
7/2/2020 22:21	46800.002	10.845	6.838	1.887
7/2/2020 22:22	46860.002	10.845	6.839	1.887
7/2/2020 22:23	46920.002	10.844	6.84	1.886
7/2/2020 22:24	46980.002	10.848	6.837	1.887
7/2/2020 22:25	47040.002	10.848	6.84	1.886
7/2/2020 22:26	47100.002	10.846	6.842	1.885
7/2/2020 22:27	47160.002	10.846	6.842	1.885
7/2/2020 22:28	47220.002	10.848	6.84	1.886
7/2/2020 22:29	47280.002	10.851	6.845	1.884
7/2/2020 22:30	47340.002	10.851	6.842	1.885
7/2/2020 22:31	47400.002	10.851	6.842	1.885
7/2/2020 22:32	47460.002	10.847	6.843	1.885
7/2/2020 22:33	47520.002	10.849	6.847	1.883
7/2/2020 22:34	47580.002	10.848	6.843	1.885
7/2/2020 22:35	47640.002	10.847	6.847	1.883
7/2/2020 22:36	47700.002	10.849	6.846	1.883
7/2/2020 22:37	47760.002	10.846	6.85	1.882

7/2/2020 22:38	47820.002	10.847	6.848	1.882
7/2/2020 22:39	47880.002	10.849	6.846	1.884
7/2/2020 22:40	47940.002	10.847	6.845	1.884
7/2/2020 22:41	48000.002	10.848	6.844	1.885
7/2/2020 22:42	48060.002	10.85	6.852	1.881
7/2/2020 22:43	48120.002	10.848	6.847	1.883
7/2/2020 22:44	48180.002	10.85	6.848	1.883
7/2/2020 22:45	48240.002	10.847	6.845	1.884
7/2/2020 22:46	48300.002	10.848	6.848	1.883
7/2/2020 22:47	48360.002	10.848	6.853	1.881
7/2/2020 22:48	48420.002	10.849	6.849	1.882
7/2/2020 22:49	48480.002	10.849	6.849	1.882
7/2/2020 22:50	48540.002	10.849	6.85	1.882
7/2/2020 22:51	48600.002	10.85	6.852	1.881
7/2/2020 22:52	48660.002	10.848	6.851	1.881
7/2/2020 22:53	48720.002	10.846	6.85	1.882
7/2/2020 22:54	48780.002	10.849	6.854	1.88
7/2/2020 22:55	48840.002	10.848	6.851	1.881
7/2/2020 22:56	48900.002	10.846	6.856	1.879
7/2/2020 22:57	48960.002	10.849	6.853	1.88
7/2/2020 22:58	49020.002	10.851	6.856	1.879
7/2/2020 22:59	49080.002	10.852	6.855	1.88
7/2/2020 23:00	49140.002	10.847	6.856	1.879
7/2/2020 23:01	49200.002	10.851	6.854	1.88
7/2/2020 23:02	49260.002	10.848	6.856	1.879
7/2/2020 23:03	49320.002	10.849	6.856	1.879
7/2/2020 23:04	49380.002	10.848	6.855	1.88
7/2/2020 23:05	49440.002	10.85	6.857	1.879
7/2/2020 23:06	49500.002	10.85	6.857	1.879
7/2/2020 23:07	49560.002	10.852	6.856	1.879
7/2/2020 23:08	49620.002	10.847	6.856	1.879
7/2/2020 23:09	49680.002	10.849	6.86	1.878
7/2/2020 23:10	49740.002	10.851	6.859	1.878
7/2/2020 23:11	49800.002	10.85	6.861	1.877
7/2/2020 23:12	49860.002	10.852	6.856	1.879
7/2/2020 23:13	49920.002	10.847	6.859	1.878
7/2/2020 23:14	49980.002	10.846	6.862	1.877
7/2/2020 23:15	50040.002	10.848	6.862	1.877
7/2/2020 23:16	50100.002	10.848	6.859	1.878
7/2/2020 23:17	50160.002	10.848	6.861	1.877
7/2/2020 23:18	50220.002	10.851	6.866	1.875
7/2/2020 23:19	50280.002	10.849	6.861	1.877
7/2/2020 23:20	50340.002	10.85	6.863	1.876
7/2/2020 23:21	50400.002	10.851	6.862	1.876
7/2/2020 23:22	50460.002	10.847	6.863	1.876
7/2/2020 23:23	50520.002	10.847	6.866	1.875
7/2/2020 23:24	50580.002	10.85	6.867	1.874
7/2/2020 23:25	50640.002	10.849	6.864	1.876
7/2/2020 23:26	50700.002	10.85	6.867	1.874
7/2/2020 23:27	50760.002	10.851	6.864	1.876
7/2/2020 23:28	50820.002	10.85	6.866	1.875
7/2/2020 23:29	50880.002	10.851	6.864	1.876
7/2/2020 23:30	50940.002	10.85	6.864	1.876
7/2/2020 23:31	51000.002	10.85	6.867	1.874
7/2/2020 23:32	51060.002	10.849	6.867	1.875
7/2/2020 23:33	51120.002	10.847	6.867	1.874
7/2/2020 23:34	51180.002	10.85	6.873	1.872
7/2/2020 23:35	51240.002	10.85	6.87	1.873
7/2/2020 23:36	51300.002	10.851	6.868	1.874
7/2/2020 23:37	51360.002	10.848	6.87	1.873
7/2/2020 23:38	51420.002	10.849	6.868	1.874
7/2/2020 23:39	51480.002	10.85	6.869	1.874
7/2/2020 23:40	51540.002	10.849	6.868	1.874
7/2/2020 23:41	51600.002	10.851	6.872	1.872
7/2/2020 23:42	51660.002	10.85	6.872	1.872
7/2/2020 23:43	51720.002	10.848	6.869	1.874
7/2/2020 23:44	51780.002	10.848	6.87	1.873
7/2/2020 23:45	51840.002	10.852	6.874	1.871
7/2/2020 23:46	51900.002	10.849	6.875	1.871
7/2/2020 23:47	51960.002	10.853	6.875	1.871
7/2/2020 23:48	52020.002	10.852	6.875	1.871
7/2/2020 23:49	52080.002	10.851	6.88	1.869
7/2/2020 23:50	52140.002	10.851	6.875	1.871

7/2/2020 23:51	52200.002	10.853	6.874	1.871
7/2/2020 23:52	52260.002	10.851	6.876	1.87
7/2/2020 23:53	52320.002	10.851	6.877	1.87
7/2/2020 23:54	52380.002	10.85	6.876	1.871
7/2/2020 23:55	52440.002	10.85	6.876	1.87
7/2/2020 23:56	52500.002	10.853	6.877	1.87
7/2/2020 23:57	52560.002	10.851	6.88	1.869
7/2/2020 23:58	52620.002	10.851	6.877	1.87
7/2/2020 23:59	52680.002	10.85	6.876	1.87
7/3/2020 0:00	52740.002	10.852	6.879	1.869
7/3/2020 0:01	52800.002	10.851	6.882	1.868
7/3/2020 0:02	52860.002	10.851	6.879	1.869
7/3/2020 0:03	52920.002	10.851	6.882	1.868
7/3/2020 0:04	52980.002	10.85	6.881	1.868
7/3/2020 0:05	53040.002	10.853	6.88	1.869
7/3/2020 0:06	53100.002	10.853	6.882	1.868
7/3/2020 0:07	53160.002	10.851	6.88	1.869
7/3/2020 0:08	53220.002	10.85	6.88	1.869
7/3/2020 0:09	53280.002	10.852	6.885	1.867
7/3/2020 0:10	53340.002	10.854	6.882	1.868
7/3/2020 0:11	53400.002	10.852	6.884	1.867
7/3/2020 0:12	53460.002	10.851	6.886	1.866
7/3/2020 0:13	53520.002	10.853	6.884	1.867
7/3/2020 0:14	53580.002	10.853	6.883	1.867
7/3/2020 0:15	53640.002	10.851	6.886	1.866
7/3/2020 0:16	53700.002	10.852	6.889	1.865
7/3/2020 0:17	53760.002	10.85	6.886	1.866
7/3/2020 0:18	53820.002	10.852	6.886	1.866
7/3/2020 0:19	53880.002	10.852	6.884	1.867
7/3/2020 0:20	53940.002	10.851	6.885	1.867
7/3/2020 0:21	54000.002	10.85	6.888	1.865
7/3/2020 0:22	54060.002	10.853	6.889	1.865
7/3/2020 0:23	54120.002	10.855	6.886	1.866
7/3/2020 0:24	54180.002	10.855	6.888	1.865
7/3/2020 0:25	54240.002	10.852	6.889	1.865
7/3/2020 0:26	54300.002	10.851	6.89	1.865
7/3/2020 0:27	54360.002	10.853	6.888	1.865
7/3/2020 0:28	54420.002	10.853	6.888	1.865
7/3/2020 0:29	54480.002	10.85	6.889	1.865
7/3/2020 0:30	54540.002	10.854	6.887	1.866
7/3/2020 0:31	54600.002	10.854	6.894	1.863
7/3/2020 0:32	54660.002	10.853	6.89	1.864
7/3/2020 0:33	54720.002	10.853	6.895	1.862
7/3/2020 0:34	54780.002	10.85	6.892	1.864
7/3/2020 0:35	54840.002	10.853	6.891	1.864
7/3/2020 0:36	54900.002	10.849	6.894	1.863
7/3/2020 0:37	54960.002	10.853	6.891	1.864
7/3/2020 0:38	55020.002	10.853	6.894	1.863
7/3/2020 0:39	55080.002	10.853	6.894	1.863
7/3/2020 0:40	55140.002	10.854	6.894	1.862
7/3/2020 0:41	55200.002	10.85	6.892	1.864
7/3/2020 0:42	55260.002	10.851	6.897	1.861
7/3/2020 0:43	55320.002	10.853	6.893	1.863
7/3/2020 0:44	55380.002	10.852	6.898	1.861
7/3/2020 0:45	55440.002	10.854	6.898	1.861
7/3/2020 0:46	55500.002	10.852	6.9	1.86
7/3/2020 0:47	55560.002	10.851	6.893	1.863
7/3/2020 0:48	55620.002	10.854	6.895	1.862
7/3/2020 0:49	55680.002	10.852	6.897	1.861
7/3/2020 0:50	55740.002	10.855	6.899	1.86
7/3/2020 0:51	55800.002	10.852	6.899	1.861
7/3/2020 0:52	55860.002	10.854	6.899	1.86
7/3/2020 0:53	55920.002	10.852	6.899	1.861
7/3/2020 0:54	55980.002	10.851	6.899	1.861
7/3/2020 0:55	56040.002	10.854	6.899	1.861
7/3/2020 0:56	56100.002	10.853	6.903	1.859
7/3/2020 0:57	56160.002	10.854	6.899	1.861
7/3/2020 0:58	56220.002	10.851	6.9	1.86
7/3/2020 0:59	56280.002	10.854	6.903	1.859
7/3/2020 1:00	56340.002	10.852	6.9	1.86
7/3/2020 1:01	56400.002	10.853	6.902	1.859
7/3/2020 1:02	56460.002	10.853	6.901	1.86
7/3/2020 1:03	56520.002	10.856	6.905	1.858

7/3/2020 1:04	56580.002	10.85	6.903	1.859
7/3/2020 1:05	56640.002	10.855	6.903	1.859
7/3/2020 1:06	56700.002	10.854	6.905	1.858
7/3/2020 1:07	56760.002	10.853	6.905	1.858
7/3/2020 1:08	56820.002	10.852	6.903	1.859
7/3/2020 1:09	56880.002	10.852	6.905	1.858
7/3/2020 1:10	56940.002	10.855	6.904	1.858
7/3/2020 1:11	57000.002	10.853	6.907	1.857
7/3/2020 1:12	57060.002	10.853	6.906	1.857
7/3/2020 1:13	57120.002	10.853	6.907	1.857
7/3/2020 1:14	57180.002	10.853	6.907	1.857
7/3/2020 1:15	57240.002	10.854	6.907	1.857
7/3/2020 1:16	57300.002	10.852	6.908	1.857
7/3/2020 1:17	57360.002	10.852	6.908	1.857
7/3/2020 1:18	57420.002	10.854	6.906	1.858
7/3/2020 1:19	57480.002	10.855	6.905	1.858
7/3/2020 1:20	57540.002	10.855	6.905	1.858
7/3/2020 1:21	57600.002	10.853	6.908	1.857
7/3/2020 1:22	57660.002	10.853	6.912	1.855
7/3/2020 1:23	57720.002	10.853	6.911	1.855
7/3/2020 1:24	57780.002	10.851	6.909	1.856
7/3/2020 1:25	57840.002	10.855	6.91	1.856
7/3/2020 1:26	57900.002	10.854	6.913	1.854
7/3/2020 1:27	57960.002	10.852	6.914	1.854
7/3/2020 1:28	58020.002	10.854	6.915	1.854
7/3/2020 1:29	58080.002	10.854	6.912	1.855
7/3/2020 1:30	58140.002	10.853	6.913	1.855
7/3/2020 1:31	58200.002	10.854	6.912	1.855
7/3/2020 1:32	58260.002	10.856	6.915	1.853
7/3/2020 1:33	58320.002	10.855	6.91	1.856
7/3/2020 1:34	58380.002	10.854	6.913	1.855
7/3/2020 1:35	58440.002	10.855	6.916	1.853
7/3/2020 1:36	58500.002	10.855	6.91	1.856
7/3/2020 1:37	58560.002	10.854	6.915	1.853
7/3/2020 1:38	58620.002	10.854	6.913	1.855
7/3/2020 1:39	58680.002	10.855	6.913	1.855
7/3/2020 1:40	58740.002	10.856	6.918	1.852
7/3/2020 1:41	58800.002	10.854	6.917	1.853
7/3/2020 1:42	58860.002	10.856	6.915	1.854
7/3/2020 1:43	58920.002	10.856	6.913	1.854
7/3/2020 1:44	58980.002	10.855	6.917	1.853
7/3/2020 1:45	59040.002	10.855	6.917	1.853
7/3/2020 1:46	59100.002	10.853	6.914	1.854
7/3/2020 1:47	59160.002	10.855	6.918	1.852
7/3/2020 1:48	59220.002	10.853	6.919	1.852
7/3/2020 1:49	59280.002	10.857	6.917	1.853
7/3/2020 1:50	59340.002	10.855	6.914	1.854
7/3/2020 1:51	59400.002	10.856	6.919	1.852
7/3/2020 1:52	59460.002	10.855	6.919	1.852
7/3/2020 1:53	59520.002	10.854	6.924	1.85
7/3/2020 1:54	59580.002	10.854	6.92	1.851
7/3/2020 1:55	59640.002	10.857	6.923	1.85
7/3/2020 1:56	59700.002	10.855	6.922	1.851
7/3/2020 1:57	59760.002	10.854	6.923	1.85
7/3/2020 1:58	59820.002	10.855	6.922	1.85
7/3/2020 1:59	59880.002	10.857	6.923	1.85
7/3/2020 2:00	59940.002	10.856	6.921	1.851
7/3/2020 2:01	60000.002	10.854	6.923	1.85
7/3/2020 2:02	60060.002	10.854	6.923	1.85
7/3/2020 2:03	60120.002	10.853	6.924	1.85
7/3/2020 2:04	60180.002	10.856	6.926	1.849
7/3/2020 2:05	60240.002	10.854	6.92	1.851
7/3/2020 2:06	60300.002	10.857	6.925	1.849
7/3/2020 2:07	60360.002	10.856	6.927	1.849
7/3/2020 2:08	60420.002	10.855	6.925	1.849
7/3/2020 2:09	60480.002	10.858	6.923	1.85
7/3/2020 2:10	60540.002	10.859	6.924	1.85
7/3/2020 2:11	60600.002	10.857	6.927	1.849
7/3/2020 2:12	60660.002	10.856	6.927	1.848
7/3/2020 2:13	60720.002	10.854	6.927	1.848
7/3/2020 2:14	60780.002	10.858	6.929	1.847
7/3/2020 2:15	60840.002	10.854	6.929	1.848
7/3/2020 2:16	60900.002	10.857	6.928	1.848

7/3/2020 2:17	60960.002	10.855	6.931	1.847
7/3/2020 2:18	61020.002	10.855	6.929	1.847
7/3/2020 2:19	61080.002	10.859	6.927	1.848
7/3/2020 2:20	61140.002	10.856	6.932	1.846
7/3/2020 2:21	61200.002	10.858	6.928	1.848
7/3/2020 2:22	61260.002	10.856	6.929	1.848
7/3/2020 2:23	61320.002	10.857	6.931	1.847
7/3/2020 2:24	61380.002	10.858	6.936	1.845
7/3/2020 2:25	61440.002	10.856	6.932	1.846
7/3/2020 2:26	61500.002	10.855	6.937	1.844
7/3/2020 2:27	61560.002	10.857	6.932	1.846
7/3/2020 2:28	61620.002	10.859	6.931	1.847
7/3/2020 2:29	61680.002	10.857	6.931	1.847
7/3/2020 2:30	61740.002	10.858	6.933	1.846
7/3/2020 2:31	61800.002	10.857	6.936	1.845
7/3/2020 2:32	61860.002	10.856	6.933	1.846
7/3/2020 2:33	61920.002	10.856	6.936	1.844
7/3/2020 2:34	61980.002	10.858	6.933	1.846
7/3/2020 2:35	62040.002	10.856	6.936	1.844
7/3/2020 2:36	62100.002	10.857	6.936	1.844
7/3/2020 2:37	62160.002	10.855	6.932	1.846
7/3/2020 2:38	62220.002	10.857	6.937	1.844
7/3/2020 2:39	62280.002	10.858	6.935	1.845
7/3/2020 2:40	62340.002	10.855	6.938	1.844
7/3/2020 2:41	62400.002	10.858	6.934	1.845
7/3/2020 2:42	62460.002	10.856	6.933	1.846
7/3/2020 2:43	62520.002	10.859	6.938	1.844
7/3/2020 2:44	62580.002	10.857	6.936	1.845
7/3/2020 2:45	62640.002	10.859	6.942	1.842
7/3/2020 2:46	62700.002	10.86	6.939	1.843
7/3/2020 2:47	62760.002	10.857	6.936	1.845
7/3/2020 2:48	62820.002	10.857	6.938	1.844
7/3/2020 2:49	62880.002	10.854	6.941	1.842
7/3/2020 2:50	62940.002	10.86	6.943	1.841
7/3/2020 2:51	63000.002	10.86	6.939	1.843
7/3/2020 2:52	63060.002	10.856	6.94	1.843
7/3/2020 2:53	63120.002	10.859	6.939	1.843
7/3/2020 2:54	63180.002	10.858	6.942	1.842
7/3/2020 2:55	63240.002	10.859	6.939	1.843
7/3/2020 2:56	63300.002	10.856	6.94	1.843
7/3/2020 2:57	63360.002	10.86	6.94	1.843
7/3/2020 2:58	63420.002	10.86	6.947	1.84
7/3/2020 2:59	63480.002	10.857	6.946	1.84
7/3/2020 3:00	63540.002	10.861	6.945	1.841
7/3/2020 3:01	63600.002	10.856	6.943	1.841
7/3/2020 3:02	63660.002	10.86	6.943	1.842
7/3/2020 3:03	63720.002	10.858	6.944	1.841
7/3/2020 3:04	63780.002	10.857	6.945	1.841
7/3/2020 3:05	63840.002	10.86	6.951	1.838
7/3/2020 3:06	63900.002	10.857	6.945	1.84
7/3/2020 3:07	63960.002	10.861	6.947	1.84
7/3/2020 3:08	64020.002	10.858	6.948	1.839
7/3/2020 3:09	64080.002	10.858	6.947	1.84
7/3/2020 3:10	64140.002	10.858	6.948	1.839
7/3/2020 3:11	64200.002	10.857	6.95	1.839
7/3/2020 3:12	64260.002	10.858	6.949	1.839
7/3/2020 3:13	64320.002	10.859	6.951	1.838
7/3/2020 3:14	64380.002	10.86	6.947	1.84
7/3/2020 3:15	64440.002	10.858	6.948	1.839
7/3/2020 3:16	64500.002	10.861	6.946	1.84
7/3/2020 3:17	64560.002	10.86	6.946	1.84
7/3/2020 3:18	64620.002	10.856	6.947	1.84
7/3/2020 3:19	64680.002	10.862	6.949	1.839
7/3/2020 3:20	64740.002	10.862	6.954	1.836
7/3/2020 3:21	64800.002	10.858	6.95	1.839
7/3/2020 3:22	64860.002	10.858	6.949	1.839
7/3/2020 3:23	64920.002	10.859	6.951	1.838
7/3/2020 3:24	64980.002	10.858	6.952	1.838
7/3/2020 3:25	65040.002	10.86	6.949	1.839
7/3/2020 3:26	65100.002	10.859	6.953	1.837
7/3/2020 3:27	65160.002	10.856	6.954	1.837
7/3/2020 3:28	65220.002	10.858	6.95	1.838
7/3/2020 3:29	65280.002	10.861	6.953	1.837

7/3/2020 3:30	65340.002	10.862	6.951	1.838
7/3/2020 3:31	65400.002	10.861	6.954	1.837
7/3/2020 3:32	65460.002	10.86	6.952	1.837
7/3/2020 3:33	65520.002	10.861	6.955	1.836
7/3/2020 3:34	65580.002	10.859	6.957	1.836
7/3/2020 3:35	65640.002	10.863	6.956	1.836
7/3/2020 3:36	65700.002	10.859	6.956	1.836
7/3/2020 3:37	65760.002	10.859	6.955	1.836
7/3/2020 3:38	65820.002	10.86	6.956	1.836
7/3/2020 3:39	65880.002	10.858	6.955	1.836
7/3/2020 3:40	65940.002	10.859	6.956	1.836
7/3/2020 3:41	66000.002	10.859	6.959	1.835
7/3/2020 3:42	66060.002	10.86	6.958	1.835
7/3/2020 3:43	66120.002	10.86	6.958	1.835
7/3/2020 3:44	66180.002	10.86	6.96	1.834
7/3/2020 3:45	66240.002	10.862	6.96	1.834
7/3/2020 3:46	66300.002	10.864	6.957	1.836
7/3/2020 3:47	66360.002	10.859	6.96	1.834
7/3/2020 3:48	66420.002	10.862	6.956	1.836
7/3/2020 3:49	66480.002	10.86	6.961	1.834
7/3/2020 3:50	66540.002	10.86	6.962	1.833
7/3/2020 3:51	66600.002	10.861	6.961	1.834
7/3/2020 3:52	66660.002	10.86	6.96	1.834
7/3/2020 3:53	66720.002	10.864	6.958	1.835
7/3/2020 3:54	66780.002	10.859	6.962	1.833
7/3/2020 3:55	66840.002	10.861	6.962	1.833
7/3/2020 3:56	66900.002	10.86	6.961	1.834
7/3/2020 3:57	66960.002	10.862	6.962	1.833
7/3/2020 3:58	67020.002	10.859	6.961	1.834
7/3/2020 3:59	67080.002	10.861	6.962	1.833
7/3/2020 4:00	67140.002	10.862	6.962	1.833
7/3/2020 4:01	67200.002	10.859	6.969	1.83
7/3/2020 4:02	67260.002	10.86	6.964	1.832
7/3/2020 4:03	67320.002	10.862	6.964	1.833
7/3/2020 4:04	67380.002	10.861	6.959	1.835
7/3/2020 4:05	67440.002	10.86	6.965	1.832
7/3/2020 4:06	67500.002	10.86	6.967	1.831
7/3/2020 4:07	67560.002	10.861	6.966	1.832
7/3/2020 4:08	67620.002	10.862	6.966	1.831
7/3/2020 4:09	67680.002	10.86	6.965	1.832
7/3/2020 4:10	67740.002	10.861	6.965	1.832
7/3/2020 4:11	67800.002	10.859	6.967	1.831
7/3/2020 4:12	67860.002	10.861	6.967	1.831
7/3/2020 4:13	67920.002	10.861	6.966	1.831
7/3/2020 4:14	67980.002	10.861	6.965	1.832
7/3/2020 4:15	68040.002	10.864	6.967	1.831
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7/3/2020 4:37	69360.002	10.859	6.977	1.827
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7/3/2020 4:39	69480.002	10.863	6.976	1.827
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7/3/2020 4:41	69600.002	10.862	6.98	1.826
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7/3/2020 5:09	71280.002	10.866	6.983	1.824
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7/3/2020 5:15	71640.002	10.862	6.987	1.822
7/3/2020 5:16	71700.002	10.864	6.987	1.822
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7/3/2020 5:34	72780.002	10.864	6.991	1.821
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7/3/2020 5:39	73080.002	10.863	6.995	1.819
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7/3/2020 5:42	73260.002	10.863	6.996	1.818
7/3/2020 5:43	73320.002	10.862	6.997	1.818
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7/3/2020 5:45	73440.002	10.865	6.994	1.819
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7/3/2020 5:47	73560.002	10.866	6.995	1.819
7/3/2020 5:48	73620.002	10.865	6.997	1.818
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7/3/2020 5:50	73740.002	10.865	7.001	1.817
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7/3/2020 5:52	73860.002	10.868	6.999	1.817
7/3/2020 5:53	73920.002	10.865	7.001	1.817
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7/3/2020 5:55	74040.002	10.864	6.998	1.817

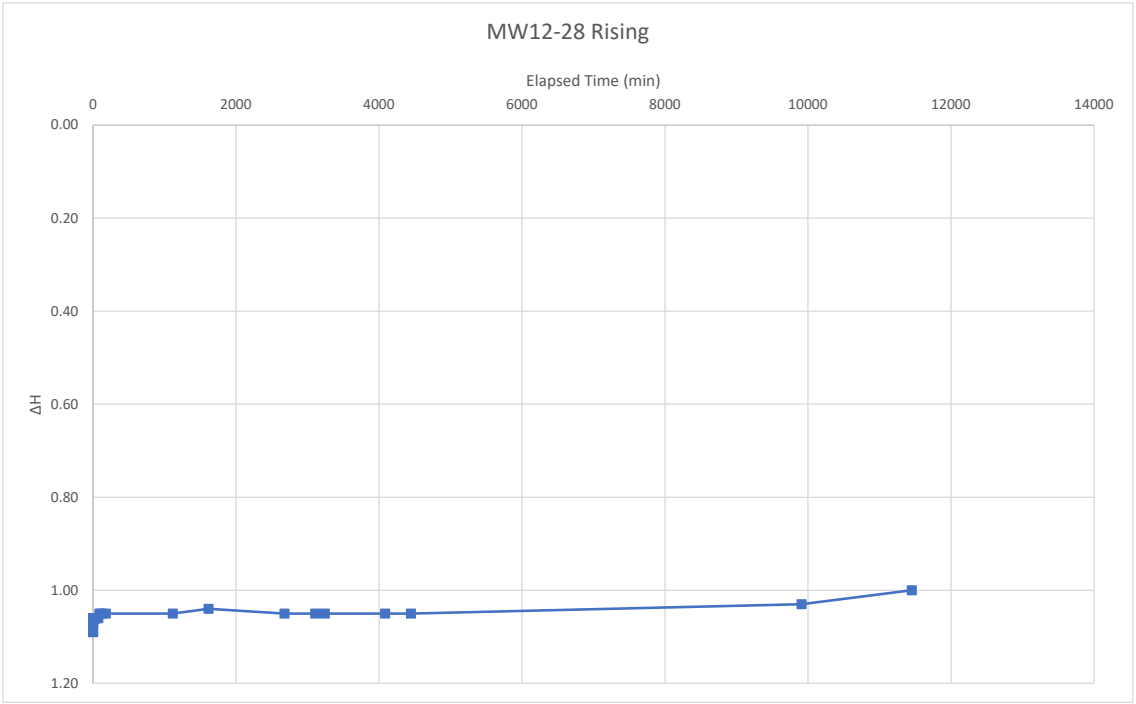
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7/3/2020 6:15	75240.002	10.867	7.007	1.814
7/3/2020 6:16	75300.002	10.866	7.006	1.814
7/3/2020 6:17	75360.002	10.867	7.008	1.813
7/3/2020 6:18	75420.002	10.863	7.008	1.813
7/3/2020 6:19	75480.002	10.867	7.005	1.815
7/3/2020 6:20	75540.002	10.866	7.005	1.814
7/3/2020 6:21	75600.002	10.867	7.012	1.812
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7/3/2020 6:33	76320.002	10.868	7.012	1.812
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7/3/2020 6:35	76440.002	10.868	7.014	1.811
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7/3/2020 8:59	85080.002	10.874	7.052	1.794
7/3/2020 9:00	85140.002	10.873	7.052	1.794
7/3/2020 9:01	85200.002	10.872	7.055	1.793
7/3/2020 9:02	85260.002	10.873	7.053	1.794
7/3/2020 9:03	85320.002	10.875	7.057	1.792
7/3/2020 9:04	85380.002	10.874	7.056	1.792
7/3/2020 9:05	85440.002	10.875	7.054	1.793
7/3/2020 9:06	85500.002	10.873	7.052	1.794
7/3/2020 9:07	85560.002	10.872	7.058	1.792
7/3/2020 9:08	85620.002	10.874	7.055	1.793
7/3/2020 9:09	85680.002	10.873	7.055	1.793
7/3/2020 9:10	85740.002	10.872	7.055	1.793
7/3/2020 9:11	85800.002	10.871	7.057	1.792
7/3/2020 9:12	85860.002	10.874	7.056	1.792
7/3/2020 9:13	85920.002	10.873	7.055	1.793
7/3/2020 9:14	85980.002	10.873	7.058	1.792
7/3/2020 9:15	86040.002	10.874	7.061	1.79
7/3/2020 9:16	86100.002	10.871	7.059	1.791
7/3/2020 9:17	86160.002	10.877	7.059	1.791
7/3/2020 9:18	86220.002	10.872	7.058	1.792
7/3/2020 9:19	86280.002	10.872	7.058	1.792
7/3/2020 9:20	86340.002	10.875	7.055	1.793
7/3/2020 9:21	86400.002	10.874	7.061	1.791
7/3/2020 9:22	86460.002	10.876	7.06	1.791
7/3/2020 9:23	86520.002	10.871	7.059	1.791
7/3/2020 9:24	86580.002	10.876	7.056	1.793
7/3/2020 9:25	86640.002	10.871	7.062	1.79
7/3/2020 9:26	86700.002	10.874	7.059	1.791
7/3/2020 9:27	86760.002	10.872	7.063	1.789
7/3/2020 9:28	86820.002	10.873	7.059	1.791
7/3/2020 9:29	86880.002	10.875	7.061	1.79
7/3/2020 9:30	86940.002	10.872	7.061	1.79
7/3/2020 9:31	87000.002	10.874	7.063	1.789
7/3/2020 9:32	87060.002	10.873	7.062	1.79
7/3/2020 9:33	87120.002	10.872	7.06	1.791
7/3/2020 9:34	87180.002	10.873	7.062	1.79

7/3/2020 9:35	87240.002	10.873	7.061	1.79
7/3/2020 9:36	87300.002	10.873	7.063	1.789
7/3/2020 9:37	87360.002	10.874	7.064	1.789
7/3/2020 9:38	87420.002	10.875	7.063	1.79
7/3/2020 9:39	87480.002	10.875	7.066	1.788
7/3/2020 9:40	87540.002	10.876	7.06	1.791
7/3/2020 9:41	87600.002	10.876	7.064	1.789
7/3/2020 9:42	87660.002	10.87	7.061	1.79
7/3/2020 9:43	87720.002	10.875	7.065	1.789
7/3/2020 9:44	87780.002	10.874	7.063	1.789
7/3/2020 9:45	87840.002	10.875	7.064	1.789
7/3/2020 9:46	87900.002	10.875	7.062	1.79
7/3/2020 9:47	87960.002	10.873	7.068	1.787
7/3/2020 9:48	88020.002	10.874	7.065	1.788
7/3/2020 9:49	88080.002	10.876	7.067	1.788
7/3/2020 9:50	88140.002	10.873	7.067	1.788
7/3/2020 9:51	88200.002	10.874	7.065	1.789
7/3/2020 9:52	88260.002	10.876	7.068	1.787
7/3/2020 9:53	88320.002	10.875	7.07	1.786
7/3/2020 9:54	88380.002	10.874	7.066	1.788
7/3/2020 9:55	88440.002	10.877	7.066	1.788
7/3/2020 9:56	88500.002	10.874	7.071	1.786
7/3/2020 9:57	88560.002	10.876	7.065	1.789
7/3/2020 9:58	88620.002	10.874	7.07	1.786
7/3/2020 9:59	88680.002	10.878	7.068	1.787
7/3/2020 10:00	88740.002	10.876	7.07	1.786
7/3/2020 10:01	88800.002	10.875	7.071	1.786
7/3/2020 10:02	88860.002	10.875	7.067	1.788
7/3/2020 10:03	88920.002	10.873	7.072	1.785
7/3/2020 10:04	88980.002	10.876	7.071	1.786
7/3/2020 10:05	89040.002	10.875	7.069	1.787
7/3/2020 10:06	89100.002	10.875	7.069	1.787
7/3/2020 10:07	89160.002	10.874	7.071	1.786
7/3/2020 10:08	89220.002	10.872	7.075	1.784
7/3/2020 10:09	89280.002	10.876	7.069	1.787
7/3/2020 10:10	89340.002	10.873	7.07	1.787
7/3/2020 10:11	89400.002	10.871	7.071	1.786
7/3/2020 10:12	89460.002	10.878	7.073	1.785
7/3/2020 10:13	89520.002	10.879	7.073	1.785
7/3/2020 10:14	89580.002	10.871	7.07	1.786
7/3/2020 10:15	89640.002	10.874	7.071	1.786
7/3/2020 10:16	89700.002	10.873	7.072	1.786
7/3/2020 10:17	89760.002	10.876	7.073	1.785
7/3/2020 10:18	89820.002	10.876	7.074	1.785
7/3/2020 10:19	89880.002	10.875	7.075	1.784
7/3/2020 10:20	89940.002	10.875	7.074	1.785
7/3/2020 10:21	90000.002	10.877	7.073	1.785
7/3/2020 10:22	90060.002	10.877	7.074	1.785
7/3/2020 10:23	90120.002	10.877	7.073	1.785
7/3/2020 10:24	90180.002	10.877	7.074	1.785
7/3/2020 10:25	90240.002	10.875	7.073	1.785
7/3/2020 10:26	90300.002	10.877	7.077	1.784

MW12-28 Rising	Static	6.56		
	Initiation	6/29/2020 14:11		
Time	ET (min)	DTW	ΔH	%REC
	0	7.65	1.09	0.00
	0.25	7.65	1.09	0.00
	0.5	7.63	1.07	0.02
	0.75	7.63	1.07	0.02
	1	7.63	1.07	0.02
	1.25	7.63	1.07	0.02
	1.5	7.63	1.07	0.02
	1.75	7.62	1.06	0.03
	2	7.62	1.06	0.03
	2.25	7.62	1.06	0.03
	2.5	7.62	1.06	0.03
	2.75	7.62	1.06	0.03
	3	7.62	1.06	0.03
	4	7.62	1.06	0.03
	5	7.62	1.06	0.03
	7	7.62	1.06	0.03
	8	7.62	1.06	0.03
	9	7.62	1.06	0.03
	10	7.62	1.06	0.03
	11	7.62	1.06	0.03
	12	7.62	1.06	0.03
	13	7.62	1.06	0.03
	14	7.62	1.06	0.03
	15	7.62	1.06	0.03
	16	7.62	1.06	0.03
	17	7.62	1.06	0.03
	18	7.62	1.06	0.03
	19	7.62	1.06	0.03
	23	7.62	1.06	0.03
	27	7.62	1.06	0.03
	30	7.62	1.06	0.03
	35	7.62	1.06	0.03
	60	7.62	1.06	0.03
	75	7.62	1.06	0.03
	90	7.61	1.05	0.04
	120	7.61	1.05	0.04
	180	7.61	1.05	0.04
	1116	7.61	1.05	0.04
	1615	7.60	1.04	0.05
	2679	7.61	1.05	0.04
	3107	7.61	1.05	0.04
	3242	7.61	1.05	0.04
7/2/2020 10:16	4085	7.61	1.05	0.04
7/2/2020 16:18	4447	7.61	1.05	0.04
7/6/2020 11:20	9909	7.59	1.03	0.06
7/7/2020 13:02	11451	7.56	1.00	0.08



Appendix H

Data Usability Summary Reports

Data Validation Services

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Phone 518-251-4429
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July 11, 2013

David Carnevale
O'Brien & Gere Engineers
333 West Washington St
Syracuse, NY 13221

RE: Validation of the Bomax Manufacturing Site Data Packages
Data Usability Summary Report (DUSR)
con-test SDG Nos. 12J1141, 12K0064, 12K0377, 12K0523, 12L0103, 12L0180, 12L0222 and 12L0271

Dear Mr. Carnevale:

Review has been completed for the data packages noted above, generated by con-test Analytical Laboratory, that pertain to samples collected between 10/29/12 and 12/07/12 at the Bomax Manufacturing site. Fifty-seven soil samples, four soil field duplicates, fourteen aqueous samples, and one aqueous field duplicate were analyzed for a full list of volatile analytes, a full list of semivolatile analytes, organochlorine pesticides, Aroclor PCBs, TAL metals, and total cyanide. One of the soil samples was also analyzed for herbicides, flashpoint, reactive sulfide and reactive cyanide. Sample matrix spikes, equipment blanks, and trip blanks were also processed. The analytical methods that were utilized are those of the USEPA SW846 6000/7000/8000.

The data packages submitted contain full deliverables for validation, but this DUSR is generated from review of the summary form information, with full validation review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary forms have been reviewed for application of validation qualifiers, using guidance from the USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, the specific laboratory methodologies, and professional judgment. The following items were reviewed:

* Laboratory Narrative Discussion
* Custody Documentation
* Holding Times
* Surrogate and Internal Standard Recoveries
* Matrix Spike Recoveries/Duplicate Correlations
* Field Duplicate Correlations
* Preparation/Calibration/Trip/Field Blanks
* Laboratory Control Samples (LCSs)
* Instrumental Tunes
* Calibration/Low Level Standards

* ICP Serial Dilution
* Instrument IDLs
* Sample Result Verification

The data review includes evaluation of the specific items noted in The NYS DER-10 Appendix B section 2.0 (c). The items listed above that show deficiencies are discussed within the text of this narrative. The laboratory QC forms illustrating the excursions can be found within the laboratory data packages.

In summary, the following items are worthy of note:

- The data packages and EDDs included results and support data for numerous analytes not required for this project. Many of those are poor performers in the methodology, and results for some of them have therefore not usable. Although those are rejected data, there is no impact on the completeness of the project data. Representativeness, comparability, accuracy, and precision are also generally acceptable for the project analytes of interest (those being the Target Compound List and Target Analyte List).
- Detected values below the reporting limits, those flagged by laboratories as "J", were not reported on the results forms for this project. Those data are available in the data packages, but have not been validated.
- Several non-compliant processing issues were observed, some of which have resulted in qualification of project data as being estimated in value. These items, which relate primarily to pesticide and metals processing, are discussed in the sections below, and should be corrected in the future.

Copies of the client sample identifications and the laboratory case narratives are attached to this text, and should be reviewed in conjunction with this report. Also included with the submission are client EDDs, with validation edits/qualifiers applied in red.

Chains-of-Custody/Sample Receipt

Preservation codes were not utilized on the custody forms. Laboratory login forms note that the pHs are acceptable, indicating proper preservation.

The login form for SDG 12J1141 shows only one temperature reading (5.0°C), although five coolers were received.

Blind Duplicate Evaluations

Blind field duplicates were collected at locations SS12-06(0-2), SB12-10(2-4), SB12-30(1-3.9), SB12-42(2-4), and MW12-02. Field duplicate correlations were within validation guidelines of 50%RPD or ±2XCRDL, with the following exceptions, results for which are qualified as estimated in the parent sample and its respective duplicate:

- pyrene (±2XCRDL) and potassium (53%RPD) in SS12-06(0-2)
- calcium, manganese, potassium, and sodium (71%RPD to 137%RPD) in SB12-10(2-4)
- acetone (±2XCRDL), and nickel and lead (56%RPD and 64%RPD) in SB12-30(1-3.9)
- copper (55%RPD) in SB12-42(2-4)

Volatile Analyses by EPA 8260

Surrogate, LCS, and matrix spike acceptance ranges are static, and are not laboratory specific (although required by the analytical methodologies). The surrogate recoveries are within laboratory ranges, and internal standard recoveries are within required limits.

The result for acetone in SB12-27(1-54) is qualified as estimated, as the response exceeds the calibration range of the instrument. No dilution data were provided.

Matrix spikes (MS and MSD) of show recoveries and duplicate correlations within the laboratory acceptance ranges, with the following exceptions, results for which are qualified in the parent sample:

Parent Sample	Analyte	%Recovery	%RPD
SB12-02(8-12)	chloromethane	64 and 69	
	bromoform	60 and 66	
	bromomethane	54 and 60	
	trans-1,4-dichloro-2-butene	48 and 59	
	dichlorodifluoromethane (freon 12)	37 and 39	
	naphthalene	41 and 59	
	1,2,3-trichlorobenzene	39 and 61	
	1,2,4-trichlorobenzene	39 and 65	
SB12-15(0-4)	bromomethane	60 and 57	
	bromoform	58 and 61	
	tert-butyl alcohol (TBA)	53 and 67	32
	1,2-dibromo-3-chloropropane (DBCP)	58 and 68	
	trans-1,4-dichloro-2-butene	62 and 67	
	dichlorodifluoromethane (freon 12)	62 and 55	
SS12-01(0-4)	dichlorodifluoromethane (freon 12)	63 and 63	
	trans-1,4-dichloro-2-butene	58 and 68	
	naphthalene	58 and 68	
SB12-29 (1-3.7)	dichlorodifluoromethane (freon 12)	52 and 48	
	trans-1,4-dichloro-2-butene	69 and 68	
SB12-45 (2-4ft)	chloromethane	60 and 60	
	dichlorodifluoromethane (Freon 12)	38 and 39	
	vinyl chloride	59 and 61	
WTank-12042012	chloromethane	59 and 61	
	dichlorodifluoromethane (freon 12)	54 and 53	

Results reporting no detection of 1,4-dioxane are rejected due to low instrument response inherent in the methodology. Detected results for that analyte are qualified as estimated. Other calibration standards showed acceptable responses, with the following exceptions, results for which are to be qualified as estimated in the indicated samples:

- naphthalene, tetrahydrofuran, 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene (21%D to 34%D), and acrylonitrile and t-butyl alcohol (low RRFs) in SB12-EB01, SS12-EB01 and TB-10302012

- acetone, 2-butanone, t-butyl alcohol, and tetrahydrofuran (low RRFs) in all soils reported in SDG 12J1141
- acrylonitrile (low RRF) in all soils reported in 12J1141 except SS12-01(0-4), SS12-FD01, and SS12-07(0-2), and in SB12-31(4-4.6)
- bromomethane and vinyl chloride (48%D and 25%D), and acrylonitrile (low RRF) in TB-11-12012
- 1,2-dibromo-3-chloropropane and acetone (low RRF) in all soil samples reported in 12K0064
- 2-butanone and trans-1,4-dicholoro-2-butene in SB12-25(1-3), SB12-26(1-4), SB12-27(1-4), and SB12-28(1-4)
- acrylonitrile, t-butyl alcohol, and tetrahydrofuran (low RRF) in all soil samples reported in SDG 12K0064 except SB12-25(1-3), SB12-26(1-4), SB12-27(1-4), and SB12-28(1-4)
- bromoform and trans-1,4-dichloro-2-butene (23%D) in SB12-01(4-6), SB12-02(8-12), SB12-03(0-4), SB12-04(4-6), SB12-05(0.5-3.3), SB12-06(0-3.3), SB12-07(0-3.9), SB12-08(0-4), SB12-09(0-4), SB12-10(2-4), SB12-FD01, SB12-11(3-4.7), SB12-12(0-4), SB12-13(2-4) and SB12-14(0-4)
- bromoform, carbon tetrachloride, 1,2-dibromo-3-chloropropane (DBCP), trans-1,4-dichloro-2-butene and naphthalene (23%D to 31%D) in SB12-15(0-4), SB12-16(0-4), SB12-17(0-4), SB12-18(2-4), SB12-19(2-4), SB12-20(0-2), SB12-21 (0-1), SB12-22(0-3), SB12-23(4-6), SS12-08(0-2), SB12-24(0-3), SS12-02(0-4), SS12-03(0-4), SS12-04(0-0.5), SS12-05(0-2) and SS12-06(0-2)
- bromomethane and chloromethane (22%D and 58%D) in SS12-01(0-4), SS12-FD01, SS12-07(0-2), SB12-25 (1-3), SB12-26 (1-4), SB12-27 (1-4) and SB12-28 (1-4)
- bromomethane (53%D) in SB-12-29(1-3.7), SS12-09 (0-2), SB12-32 (1-3.9), SB12-33 (1-4), SB12-34 (1-4), SB12-35 (1-3.8), SB12-36 (1-4.1), SB12-37 (2-4.4) and SB12-38 (0-3.8)
- acetone (36%D) in SB12-27 (1-4)
- bromomethane and acetone (34%D and 47%D) in SB12-39 (1-4), SB12-FD02, SB12-40 (1-3.9), SB12-41 (1-4), SB12-30 (1-3.9) and SB12-31 (4-6.6)
- acetone (26%D) in SB12-31 (4-6.6)
- bromomethane (30%D) and t-butyl alcohol (low RRF) in TB-11092012
- tert-butyl alcohol (TBA), trans-1,3-dichloropropene and tert-butyl ethyl ether (TBEE) (25%D and 38%D), and acrylonitrile, acetone, t-butyl alcohol, and tetrahydrofuran (low RRFs) in SB12-42 (2-4), SB12-43 (1-2) and SB12-FD03
- 1,2-dibromo-3-chloropropane (DBCP) and 1,3,5-trichlorobenzene (25%D and 28%D) in EB-11142012 and TB-11142012
- chloromethane (23%D), and 1,2-dibromo-3-chloropropane, t-butyl alcohol, and acetone (low RRF) in SB12-44 (2-3.5ft), SB12-45 (2-4ft), SB12-46 (4-6ft) and SB12-47 (2-4ft)
- tetrahydrofuran and t-butyl alcohol (low RRFs) in 12L0103
- bromoform, trans-1,4-dichloro-2-butene, trans-1,3-dichloropropene, 1,4-dioxane, hexachlorobutadiene, 1,2,3-trichlorobenzene, trichlorofluoromethane (Freon 11) and chloromethane (23%D and 42%D), and acrylonitrile and t-butyl alcohol (low RRFs) in TB-12042012, Septic-12042010, WTank-12042012, SUMP-12042012, TB-12052012, MW12-06, MW12-03 and MW12-04
- 1,2-dibromo-3-chloropropane (DBCP) (22%D and 24%D) in TB-12062012, TB-12062012, TW12-02, MW-1, MW-2, TW12-03, MW12-FD-1, MW12-02, MW12-FD-1, TW12-02 and MW-2
- trans-1,4-dichloro-2-butene and naphthalene (21%D and 31%D) in IDW-12072012
- 1,2-dibromo-3-chloropropane (DBCP), 1,2,3-trichlorobenzene and trans-1,4-dichloro-2-butene (21%D to 29%D) in MW-3 and TB-12072012

- 1,2-dibromo-3-chloropropane (DBCP), naphthalene, 1,1,1,2-tetrachloroethane, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene and trans-1,4-dichloro-2-butene (25%D to 37%D) in MW12-05 and MW12-01
- 1,2-dibromo-3-chloropropane (low RRF) in the samples reported in SDG 12L0222
- 1,2-dibromo-3-chloropropane and t-butyl alcohol (low RRFs) in TB-12072012
- acetone, 2-butanone, t-butyl alcohol, 1,2-dibromo-3-chloropropane, and tetrahydrofuran (low RRF) in IDW-12072012

The result for carbon disulfide is rejected in the trip blank TB-11012012 due to very poor response (91%D) in the associated calibration standard. There is no impact on project sample data, as they show no detection of this compound.

Laboratory Control Samples (LCSs) show analyte recoveries within the laboratory acceptance ranges, with the exceptions of the following, results for which are qualified as estimated in the indicated associated samples:

- bromoform, trans-1,4-dichloro-2-butene and chloromethane (67% to 70%) in SB12-01(4-6), SB12-02(8-12), SB12-03(0-4), SB12-04(4-6), SB12-05(0.5-3.3), SB12-06(0-3.3), SB12-07(0-3.9), SB12-08(0-4), SB12-09(0-4), SB12-10(2-4), SB12-FD01, SB12-11(3-4.7), SB12-12(0-4), SB12-13(2-4) and SB12-14(0-4)
- chloromethane (70% and 70%) in TB-11142012 and EB-11142012
- trans-1,4-dichloro-2-butene (55% and 69%) in TB-12042012, SUMP-12042012, WTank-12042012 and Septic-12042010
- trans-1,4-dichloro-2-butene (69%) in TB-12052012, MW12-06, MW12-03 and MW12-04
- 1,2-dibromo-3-chloropropane (DBCP) and trans-1,4-dichloro-2-butene (55%D and 68%D) in TB-12052012, MW12-06, MW12-03 and MW12-04
- bromomethane (28% and 39%) in MW-3

Blanks show no contamination above the reporting limits.

Results for Tentatively Identified Compounds (TICs) that are flagged as "B" are to be disregarded as sample components, as they are also present in associated blanks. Those reported with a CAS number should also have been qualified as tentative in identification.

Some of the volatile target analytes reported by the laboratory are common to the reported semivolatile analyte list.

Semivolatiles by EPA 8270

Surrogate, LCS, and matrix spike acceptance ranges are static, and are not laboratory specific (although required by the analytical methodologies).

The surrogate recoveries are within laboratory ranges, and internal standard recoveries are within required limits.

The detection of phenanthrene in WTank-12042012 is edited to non-detection. The mass spectral quality is poor, and the analyst had also decided it was not meet identification criteria.

Benzidine typically failed to recover in almost all of the LCSs and sample matrix spikes. Therefore, all results for this analyte are rejected and not usable.

The following additional analytes did not recover in the LCSs or matrix spikes, and results have been rejected in the indicated samples:

- 4-chloroaniline and pyridine in the samples reported in SDGs 12L0103 and 12L0180 (failed in LCS and MSs)
- benzoic acid in the samples reported in SDG 12K0523 and IDW-12072012 (failed in LCSs and MSs)

Other LCSs show analyte recoveries within the laboratory acceptance ranges, with the following exceptions, results for which are qualified as estimated in the indicated samples:

- benzoic acid (27%) in SB12-20(0-2)
- benzoic acid (26%) in SB12-FD03, SB12-43 (1-2) and SB12-42 (2-4)
- N-nitrosodimethylamine (36%D and 38%D) in EB-11142012

The matrix spikes of SB12-29 (1-3.7) show recoveries and duplicate correlations that are within laboratory acceptance ranges.

Matrix spikes of the following samples show recoveries that are outside the laboratory acceptance ranges, and results for those analytes are qualified as estimated in the parent sample:

Parent Sample	Analyte	%Recovery
SS12-01(0-4)	aniline	32 and 30
	4-chloroaniline	39 and 36
	3,3-dichlorobenzidine	18 and 16
	hexachlorocyclopentadiene	27 and 29
SB12-29 (1-3.7)	aniline	32 and 36
	4-chloroaniline	28 and 34
	3,3-dichlorobenzidine	36 and 39
SB12-45 (2-4ft)	aniline	38 and 30
SB12-15(0-4 ft)	aniline	29 and 40
WTank-12042012	hexachlorocyclopentadiene	27 and 23
	3,3-dichlorobenzidine	33 and 38
	hexachlorocyclopentadiene	27 and 23

Calibration standards showed acceptable responses, with the following exceptions, results for which are to be qualified as estimated in the indicated samples:

- 3,3-dichlorobenzidine and di-n-octylphthalate (27%D and 53%D) in SB12-16(0-4), SB12-17(0-4), SB12-18(2-4), SB12-19(2-4) and SB12-21 (0-1)
- 3,3-dichlorobenzidine (61%RSD to 68%D) in SB12-01(4-6), SB12-02(8-12), SB12-03(0-4), SB12-04(4-6), SB12-05(0.5-3.3), SB12-06(0-3.3), SB12-07(0-3.9), SB12-07(0-3.9), SB12-08(0-4), SB12-09(0-4), SB12-10(2-4), SB12-FD01, SB12-11(3-4.7), SB12-12(0-4), SB12-13(2-4), SB12-14(0-4), SB12-15(0-4), SB12-22(0-3), SB12-23(4-6), SS12-08(0-2), SB12-24(0-3), SS12-01(0-4), SS12-02(0-4), SS12-03(0-4), SS12-04(0-0.5), SS12-05(0-2), SS12-06(0-2), SS12-FD01, SS12-07(0-2), and IDW-12072012

- hexachlorocyclopentadiene and 3,3-dichlorobenzidine (26%D and 48%D) in SB12-20(0-2)
- 3,3-dichlorobenzidine, 1,2-diphenylhydrazine (as Azobenzene), N-nitrosodiphenylamine, pyrene, 1,2,4,5-tetrachlorobenzene and butylbenzylphthalate (21%D to 74%D) in SB12-25 (1-3), SB12-26 (1-4), SB12-27 (1-4), SB12-29 (1-3.7), SB12-30 (1-3.9), SB12-28 (1-4) and SB12-31 (4-6.6)
- 3,3-dichlorobenzidine, fluoranthene and carbazole (21%D to 80%D) in SS12-09 (0-2), SB12-32 (1-3.9), SB12-33 (1-4), SB12-35 (1-3.8), SB12-36 (1-4.1), SB12-37 (2-4.4), SB12-38 (0-3.8), SB12-39 (1-4), SB12-FD02, SB12-40 (1-3.9) and SB12-41 (1-4)
- 4-nitrophenol, N-nitrosodimethylamine and 3,3-dichlorobenzidine (21%D to 72%D) in SB12-34 (1-4)
- anthracene, di-n-butylphthalate, 3,3-dichlorobenzidine and hexachlorocyclopentadiene (23%D to 75%D) in SB12-42 (2-4), SB12-43 (1-2) and SB12-FD03
- 3,3-dichlorobenzidine, hexachlorocyclopentadiene, pyridine and benzo(g,h,i)perylene (21%D to 68%D), and 3+4 methyl phenol, N-nitrosodimethylamine, and pyridine (25%RSD to 42%RSD) in SB12-44 (2-3.5ft), SB12-45 (2-4ft), SB12-46 (4-6ft) and SB12-47 (2-4ft)
- dibenz(a,h)anthracene (low) (36%D) in EB-11142012
- dibenz(a,h)anthracene (low) (23%D) in Septic-12042012, WTank-12042012, SUMP-12042012, MW12-04, MW12-03 and MW12-06
- 4-nitrophenol and 3,3-dichlorobenzidine (21%D and 51%D) in MW12-02, TW12-02, MW-3, MW-1, MW-2, TW12-03, MW12-FD-1, MW12-05 and MW12-01
- pentachloronitrobenzene (low RRF) in all samples

The date on the QC summary Form 6 for the 12/14/13 initial calibration standard reported in SDG 12L0271 is incorrect. The calibration data on that form are correct.

The TIC spectral identifications are not accurate for some of the reported matches. Not all of the responses that should have been reported as TICs were reported.

TICs that are aldol condensates (extraction artifacts) should have been flagged by the laboratory as "A". Those, as well as TICS floagged as "B", are to be disregarded as sample components, as they are extraction artifacts and also present in associated preparation blanks. These often can be the most highly concentrated of the soil sample TICs. The TICs reported with a CAS number should also have been qualified as tentative in identification.

Volatile target analytes should not have been reported as semivolatile TICs.

Some of the semivolatile target analytes reported by the laboratory are common to the reported volatile analyte list.

Pesticide, PCB, and Herbicide Analyses by EPA 8081/8082/8051

No 4,4'-DDT and endrin breakdown evaluations were performed, and therefore all results for those two compounds have been qualified as estimated.

The results for 4.4'-DDT in SB12-22(0-3) and SB12-05(0-2) are qualified as tentative in identification and estimated in value due to elevated dual column quantitative correlations.

The TCL list for pesticides in includes α-chlordane and g-chlordane; the laboratory reported (technical) chlordane.

Due to low surrogate DCB recoveries (20% to 28%), results for pesticides in MW12-01 and MW12-05 have been qualified as estimated, with a likely low bias.

Surrogate, LCS, and matrix spike acceptance ranges are static, and are not laboratory specific (although required by the analytical methodologies).

Matrix spikes of Aroclors 1016 and 1260 on samples SB12-15(0-4), SB12-29 (1-3.7), SB12-45(2-4 ft), WTank-12042012, and SS12-01(0-4) show recoveries and duplicate correlations within laboratory acceptance ranges.

The matrix spikes for pesticides of SS12-01(0-4), SB12-15(0-4), WTank-12042012, and SB12-29 (1-3.7) show recoveries and duplicate correlations that are within laboratory acceptance ranges, or elevated recoveries/correlations for analytes not detected in the parent sample.

The matrix spikes of SB12-45(2-4) ft show recovery and correlation (222% and 81%RPD) for hexachlorobenzene that are outside laboratory acceptance ranges, and results for that compound in the sample have been qualified as estimated.

TAL Metals Analyses by EPA 6010B and 7470/7471

The laboratory failed to perform the required evaluations of low level concentration standards and ICP serial dilution analyses. No qualification is made as a result of these omissions, but the end-users of the data should be aware that the accuracy of the instruments at low concentration, and the sample matrix effects, have not been fully evaluated.

Matrix spikes for WTank-12042012, MW12-04, and MW12-02 show acceptable recoveries and duplicate correlations.

The following sample matrix spikes show elements with outlying recoveries in both matrix spikes and/or correlations that fall outside the acceptable limit. Results for the affected analytes have been qualified as estimated in the samples reported in the indicated associated samples:

Parent Sample	Element	%Recovery	%RPD	Associated Samples
SB12-15(0-2)	antimony	41 and 38		Samples in 12J1141 with the SB- prefix
	manganese	73	60	
	copper	235	66	
	zinc	205	42	
SB12-01(4-6)	antimony	41		
	potassium	131		
SS12-01(0-4)	antimony	38 and 40		Samples in 12J1141 with the SS- prefix
	barium	65 and 64		
	copper	235	55	
SB12-29 (1-3.7)	antimony	33 and 43	88	Samples in 12K0064
	manganese	143 and 2	40	

Parent Sample	Element	%Recovery	%RPD	Associated Samples
SB12-45 (2-4ft)	antimony	37 and 37		Samples in 12K0377 and 12K0523, and IDW-12072012
	calcium		135	
MW12-06	silver	65		MW12-03 and MW12-06
MW12-05	aluminum	139 and 139		Aqueous samples in 12L0271

The spike concentrations added and matrix spike duplicate concentrations entered onto the QC summary for the matrix spikes of SB12-29(1-3.7) are not accurate, and the resultant correlation %RPD values are incorrect. The recoveries are acceptable. The precision evaluation for this parent sample was made using laboratory duplicate data.

The results for thallium in SB12-29(1-3.7) and SB12-25(1-3) are qualified as estimated due to low recovery (79%) in the associated LCS.

Wet Chemistry—Total Cyanide, Reactive Cyanide, and Reactive Sulfide

Review was conducted for method compliance, holding times, transcription, calculations, standard and blank acceptability, accuracy and precision, etc., as applicable to each procedure. All were found acceptable for the validated samples, unless noted specifically within this text.

The holding time requirements for reactive cyanide and reactive sulfide analyses are that they are to be analyzed immediately. The laboratory performed the analyses seven days after collection, and those results are therefore rejected, and not usable.

Matrix spikes of total cyanide on SB12-05(0.5-3.3), SB12-15(0-4), SB12-01(0-4), SB12-41(1-4), SB12-45(2-4 ft), WTank-12042012, MW-06, TW12-03, MW12-01, and IDW-12072012 show acceptable recoveries and duplicate correlations. The matrix spike/duplicate evaluations of MW12-01 support the reported detection in that parent sample.

Data Package Completeness

The laboratory data packages submitted initially for SDGs 12L0222 and 12L0271 did not include the semivolatile SIM data (used for PAH results). The packages were revised and resubmitted on request. This item was also not present for the preparation blank reported in SDG 12L0103, but the omission was not of concern, as the associated samples report no detections of the SIM compounds.

Although the laboratory processed calibration standards for all of the target Aroclor mixtures, it did not report those calibration data in the data package, and only the integration output evaluating Aroclors 1016 and 1260 was provided for the samples. Because the project sample chromatograms did not show PCB type responses, resubmission of those chromatograms were not requested

Along with lack of pesticide breakdown evaluation, pesticide, PCB, and herbicide retention time summaries and QC summary Forms 10 were not provided. Those items were reviewed in the raw data.

The GC/MS tune QC summary forms (Form 5a) were not provided for the initial calibration analysis sequences.

The organic QC summary forms for the blanks should show the date of preparation. The raw data semivolatile preparation logs were not present in all of the data packages.

Metals analysis sequence logs do not show the analysis dates or times. Dilution factors are not available on the metals analysis sequence summaries or the raw sequence log.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Judy Harry

Att: Validation Qualifier Definitions
Sample Identifications

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected. The associated reported quantitation limit is an estimate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs

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ATTN: David J. Carnevale

REPORT DATE: 11/28/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12J1141

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Bomax, Watertown, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB12-01(4-6)	12J1141-01	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-02(8-12)	12J1141-02	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-03(0-4)	12J1141-03	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-04(4-6)	12J1141-04	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-05(0.5-3.3)	12J1141-05	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	

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PROJECT LOCATION: Bomax, Watertown, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB12-06(0-3.3)	12J1141-06	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-07(0-3.9)	12J1141-07	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-08(0-4)	12J1141-08	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-09(0-4)	12J1141-09	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-10(2-4)	12J1141-10	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	

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PROJECT LOCATION: Bomax, Watertown, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB12-FD01	12J1141-11	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-11(3-4.7)	12J1141-12	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-12(0-4)	12J1141-13	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-13(2-4)	12J1141-14	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-14(0-4)	12J1141-15	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	

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FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB12-15(0-4)	12J1141-16	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-16(0-4)	12J1141-17	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-17(0-4)	12J1141-18	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-18(2-4)	12J1141-19	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-19(2-4)	12J1141-20	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	

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PROJECT LOCATION: Bomax, Watertown, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB12-20(0-2)	12J1141-21	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-21 (0-1)	12J1141-22	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-22(0-3)	12J1141-23	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-23(4-6)	12J1141-24	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SS12-08(0-2)	12J1141-25	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	

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REPORT DATE: 11/28/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

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FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB12-24(0-3)	12J1141-26	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-EB01	12J1141-27	Equipment Blank Water		SW-846 6010C	
				SW-846 6020A	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SS12-EB01	12J1141-28	Equipment Blank Water		SW-846 6010C	
				SW-846 6020A	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SS12-01(0-4)	12J1141-29	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SS12-02(0-4)	12J1141-30	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	

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REPORT DATE: 11/28/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12J1141

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Bomax, Watertown, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SS12-03(0-4)	12J1141-31	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SS12-04(0-0.5)	12J1141-32	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SS12-05(0-2)	12J1141-33	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SS12-06(0-2)	12J1141-34	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SS12-FD01	12J1141-35	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	

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Syracuse, NY 13221
ATTN: David J. Carnevale

REPORT DATE: 11/28/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12J1141

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Bomax, Watertown, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SS12-07(0-2)	12J1141-36	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
TB-10302012	12J1141-37	Trip Blank Water		SW-846 8260C	

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Syracuse, NY 13221
ATTN: David J. Carnevale

REPORT DATE: 11/13/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12K0064

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Bomax, Watertown NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB12-25 (1-3)	12K0064-01	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-26 (1-4)	12K0064-02	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-27 (1-4)	12K0064-03	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-28 (1-4)	12K0064-04	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-29 (1-3.7)	12K0064-05	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	

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Syracuse, NY 13221
ATTN: David J. Carnevale

REPORT DATE: 11/13/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12K0064

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Bomax, Watertown NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB12-30 (1-3.9)	12K0064-06	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-31 (4-6.6)	12K0064-07	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SS12-09 (0-2)	12K0064-08	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-32 (1-3.9)	12K0064-09	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-33 (1-4)	12K0064-10	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	

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Syracuse, NY 13221
ATTN: David J. Carnevale

REPORT DATE: 11/13/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12K0064

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Bomax, Watertown NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB12-34 (1-4)	12K0064-11	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-35 (1-3.8)	12K0064-12	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-36 (1-4.1)	12K0064-13	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-37 (2-4.4)	12K0064-14	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-38 (0-3.8)	12K0064-15	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	

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ATTN: David J. Carnevale

REPORT DATE: 11/13/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12K0064

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Bomax, Watertown NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB12-39 (1-4)	12K0064-16	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-FD02	12K0064-17	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-40 (1-3.9)	12K0064-18	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-41 (1-4)	12K0064-19	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
TB-11012012	12K0064-20	Trip Blank Water		SW-846 8260C	

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Syracuse, NY 13221
ATTN: David J. Carnevale

REPORT DATE: 11/21/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12K0377

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Bomax, Watertown, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB12-42 (2-4)	12K0377-01	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-43 (1-2)	12K0377-02	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-FD03	12K0377-03	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
TB-11092012	12K0377-04	Trip Blank Water		SW-846 8260C	

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Syracuse, NY 13221
ATTN: David J. Carnevale

REPORT DATE: 12/3/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12K0523

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Bomax, Watertown, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB12-44 (2-3.5ft)	12K0523-01	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-45 (2-4ft)	12K0523-02	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-46 (4-6ft)	12K0523-03	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SB12-47 (2-4ft)	12K0523-04	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
EB-11142012	12K0523-05	Equipment Blank Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
TB-11142012	12K0523-06	Trip Blank Water		SW-846 8260C	

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ATTN: David J. Carnevale

REPORT DATE: 12/14/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12L0103

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Boman, Watertown, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Septic-12042012	12L0103-01	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
WTank-12042012	12L0103-02	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
SUMP-12042012	12L0103-03	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
TB-12042012	12L0103-04	Trip Blank Water		SW-846 8260C	

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Syracuse, NY 13221
ATTN: David J. Carnevale

REPORT DATE: 12/17/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12L0180

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Boman, Watertown, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW12-04	12L0180-01	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
MW12-03	12L0180-02	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
MW12-06	12L0180-03	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
TB-12052012	12L0180-04	Trip Blank Water		SW-846 8260C	

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Syracuse, NY 13221
ATTN: David J. Carnevale

REPORT DATE: 12/18/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12L0222

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Boman, Watertown NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW12-02	12L0222-01	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
TW12-02	12L0222-02	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
MW-3	12L0222-03	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
MW-1	12L0222-04	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
MW-2	12L0222-05	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	

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Syracuse, NY 13221
ATTN: David J. Carnevale

REPORT DATE: 12/18/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12L0222

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Boman, Watertown NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TW12-03	12L0222-06	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
MW12-FD-1	12L0222-07	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
TB-12062012	12L0222-08	Ground Water		SW-846 8260C	

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ATTN: David J. Carnevale

REPORT DATE: 12/19/2012

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12L0271

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Bomax Watertown NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW12-05	12L0271-01	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
MW12-01	12L0271-02	Ground Water		SW-846 6010C	
				SW-846 7470A	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
IDW-12072012	12L0271-03	Soil		SM 2540G	
				SW-846 1030	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
				SW-846 8082A	
				SW-846 8151A	
				SW-846 8260C	
				SW-846 8270D	
				SW-846 9014	
				SW-846 9030A	
				SW-846 9045C	
TB-12072012	12L0271-04	Trip Blank Water		SW-846 8260C	

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Bomax, Watertown, NY
Con-test Analytical Laboratory SDG#13K0272
March 1, 2016
Reissued: March 25, 2016
Sampling date: 11/5, 6/2013

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (reissued: March 25, 2016) for O'Brien & Gere, project located at Bomax, Watertown, NY, Con-test Analytical Laboratory SDG#13K0272 submitted to Vali-Data of WNY, LLC on February 11, 2016. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C, 6020A), Mercury (7470A) and in accordance with wet chemistry methods.

On the Chain of Custody, Client Sample ID, MW12-10-110613 was crossed off. This sample should not have been crossed off. Sample MW12-07-110613 should have been crossed off.

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, Compound Quantitation, Initial Calibration and Continuing Calibration.

Detects above the MDL, below the reporting limit were not recorded as detected.

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 criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Methylene Chloride was outside QC limits, high in B084862-BS1/BSD1 and B085352-BS1/BSD1. Methylene Chloride should be qualified as estimated high if detected in the associated samples.

MS/MSD
All criteria were met except the %Rec of Dichlorodifluoromethane and Vinyl Chloride was outside QC limits, low MW12-11-110513MS/MSD. These target analytes should be qualified as estimated in MW12-11-110513MS/MSD and MW12-11-110513.
The %Rec of Methylene Chloride was outside QC limits in MW12-11-110513MS but within limits in MW12-11-110513MSD, so no further action is required.

COMPOUND QUANTITATION
All criteria were met except several target analytes were detected above the MDL, below the reporting limit and should be recorded as detected and qualified as estimated.

INITIAL CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane was outside ASP outer QC limits in the initial calibration. This target analyte should be qualified as estimated in the associated samples,

blanks and spikes.
The RRF of Trichloroethene was outside QC limits in the initial calibration. ASP allows for up to two target analytes to be outside QC limits without further action.
Alternate forms of regression were performed on all target analytes whose %RSD >15%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Bromomethane and Chloromethane was outside ASP outer QC limits in S005065-CCV1 and S005066-CCV1. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.
The RRF of Trichloroethene was outside QC limits in S005065-CCV1 and S005066-CCV1. ASP allows for up to two target analytes to be outside QC limits without further action.

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 but are qualified below in Holding Times and Surrogate Spike Recoveries.

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 for the sample were met except the extraction was outside QC limits for IDW-Water-110513. All target analytes in this sample should be qualified as estimated.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2,4,6-Tribromophenol was outside ASP QC limits, high in IDW-Water-110513, B085064-BLK1 and B085064-BS1. Detected, associated target analytes in these samples should be qualified as estimated high.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired for this analysis.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed on this sample.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except alternate forms of regression were performed on Benzo(g,h,i)perylene, 4,6-Dinitro-2-methylphenol and Indeno(1,2,3-cd)pyrene, with acceptable results.
Alternate forms of regression were performed on all target analytes whose %RSD >20%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Benzidine in SS05253-CCV1 was outside QC limits. ASP allows for up to four target analytes to be outside QC limits without further action.

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 but are qualified below in Method Blank, Compound Quantitation and Continuing Calibration.

Detects above the MDL, below the reporting limit were not recorded as detected.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met except several target analytes were detected above the MDL, below the reporting limit and should be recorded as detected and qualified as estimated. If these target analytes are detected in the sample below the reporting limit, then they should be qualified as undetected(U) at the reporting limit.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired for this analysis.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of delta-BHC(2C) was outside QC limits, low in B084815-BSD1. This target analyte was within QC limits in B084815-BS1, so no further action is required.

MS/MSD
No MS/MSD was performed on this sample.

COMPOUND QUANTITATION
All criteria were met except several target analytes were detected above the MDL, below the reporting limit and should be recorded as detected and qualified as estimated.

INITIAL CALIBRATION
All criteria were met. Linear regression was performed on all target analytes whose %RSD >15%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of 4,4'-DDE, Methoxychlor(2C) and DCBP was outside QC limits in S004930-CCV6. The %D of 4,4'-DDD, 4,4'-DDE, Dieldrin and DCBP was outside QC limits in S004930-CCV9. The results for these target analytes should be qualified as estimated in the associated samples, blanks and spikes

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 but are qualified below in Data Completeness and Narrative and Data Reporting Forms.

DATA COMPLETENESS
All criteria were met except no data was provided in the initial calibration off instrument ECD1 for Aroclors; 1221, 1232, 1242, 1262, 1268. ASP requires at least a single point calibration for all target analytes, thus these target analytes should be qualified as estimated in associated samples, blanks and spikes.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met except no retention times or retention time windows were recorded on the 'Identification Summary For Single Component Analytes' form. The target analytes represented on these forms should be qualified as estimated.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired for this analysis.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed for this sample.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met. (See Data Completeness, above)

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
- -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 but are qualified below in Blanks, Compound Quantitation and

Calibration.

Detects above the MDL, below the reporting limit were not recorded as detected.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Pb was detected in B084935-BLK1 above the MDL, below the reporting limit and should be qualified as estimated. Associated samples in which this target analyte was detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which this target analyte was detected above the reporting limit should be qualified as estimated high.
Pb was detected above the reporting limit in S005372-CCB4. Associated samples in which this target analyte was detected at or below the reporting limit should be qualified as 'undetected' at the reporting limit. Associated samples in which this target analyte was detected above the reporting limit but below the blank result should be qualified as 'undetected' at the blank result. Associated samples in which this target analyte was detected above the blank result should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
No MS/MSD was performed on these samples.

FIELD DUPLICATE
No field duplicate was acquired for this analysis.

DUPLICATE
No duplicate was performed on these samples.

SERIAL DILUTION
No Serial Dilution was performed.

COMPOUND QUANTITATION
All criteria were met except several target analytes were detected above the MDL, below the reporting limit and should be recorded as detected and qualified as estimated.

CALIBRATION
All criteria were met except the %D of Al, Sb, Be and Tl was outside QC limits in S005356-LCV1. The %D of Ag was outside QC limits in S005377-LCV1. The %D of Cd and Pb was outside QC limits in S005372-LCV1. These target analytes should be qualified as estimate in the associated samples, blanks and spikes.

GENERAL CHEMISTRY

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

- pH
- Cyanide
- Reactive Cyanide
- Reactive Sulfide

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.

pH
All criteria were met.

CYANIDE
All criteria were met.

REACTIVE CYANIDE
All criteria were met.

REACTIVE SULFIDE
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Bomax, Watertown, NY
Con-test Analytical Laboratory SDG#13K0275
February 26, 2016
Reissued: March 25, 2016
Sampling date: 11/4-6/2013

Prepared by:
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DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (reissued; March 25, 2016) for O'Brien & Gere, project located at Bomax, Watertown, NY, Con-test Analytical Laboratory SDG#13K0275 submitted to Vali-Data of WNY, LLC on February 11, 2016. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Herbicides (8151A), Inorganics (6010C), Mercury (7470A, 7471B) and in accordance with wet chemistry methods.

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, 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 criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Methyl tert-Butyl Ether was outside QC limits in B084733-BSD1 but with limits in B084733-BS1, so no further action is required. The %Rec of 1,1-Dichloroethene was outside QC limits, high in B085262-BS1 but within limits in B085262-BSD1, so no further action is required.

MS/MSD
All criteria were met except the %Rec of Bromobenzene, Bromomethane, tert-Butyl alcohol, n-Butylbenzene, s-Butylbenzene, t-Butylbenzene, Chloromethane, 2-Chlorotoluene, 4-Chlorotoluene, 1,2-Dichlorobenzene, 1,3- Dichlorobenzene, 1,4-Dichlorobenzene, Hexachlorobutadiene, Isopropylbenzene, p-Isopropyltoluene, Naphthalene, n-Propylbenzene, Styrene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,3,5-Trichlorobenzene and 1,3,5-Trimethylbenzene was outside QC limits in SS13-01-1106MS/MSD. The RPD of Bromomethane, tert-Butyl alcohol and 1,4-Dioxane was outside QC limits between SS13-01-1106MS and SS13-01-1106MSD. These target analytes should be qualified as estimated in SS13-01-1106 and SS13-01-1106MS/MSD.
The %Rec of several other target analytes was outside QC limits in SS13-01-1106MSD but with limits in SS13-01-1106MS, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane and tert-Butyl alcohol was outside ASP

outer QC limits in the initial calibration performed on 10/31/13. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.
The RRF of Trichloroethene was outside QC limits in the initial calibration performed on 11/8/13. ASP allows for up to two target analytes to be outside QC limits without further action.
Alternate forms of regression were performed on all target analytes whose %RSD >15%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Acetone was outside ASP outer QC limits in S005113-CCV1. Acetone should be qualified as estimated in the associated blanks, spikes and samples. ASP allows for up to two target analytes to be outside QC limits without further action.

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 but are qualified below in Surrogate Spike Recoveries, Laboratory Control Samples, MS/MSD, Compound Quantitation and Initial Calibration.

Detects above the MDL, below the reporting limit were not recorded as detected.

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 for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of Nitrobenzene-d_5 was outside ASP QC limits, high in SS13-02-1106. The %Rec of 2,4,6-Tribromophenol was outside ASP QC limits, high in B085320-BS1. Detected, associated target analytes in these samples should be qualified as estimated high.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Benzidine and Benzoic acid was outside QC limits, low or zero in B085086-BS1/BSD1 and should be qualified as estimated in B085086-BS1/BSD1 and the samples. The %Rec of 2,4-Dinitrophenol and Hexachlorocyclopentadiene was outside QC limits, low or zero in B085086-BSD1 and should be qualified as estimated in B085086-BSD1.

MS/MSD
All criteria were met except the %Rec of Aniline, Benzidine, Benzoic acid, 4-Chloroaniline, 3,3-Dichlorobenzidine, 2,4-Dinitrophenol, Di-n-octylphthalate, 4-Nitrophenol, Benzo(k)fluoranthene and Hexachlorocyclopentadiene was zero or below in SS13-01-1106MS/MSD. Detects of these target analytes in SS13-01-1106 should be qualified as estimated. If these target analytes were not detected in SS13-01-1106, then they should be considered unusable.
The RPD of Benzo(b)fluoranthene, Fluorene and 2-Methylphenol was outside QC limits between SS13-01-1106MS and SS13-01-1106MSD. These target analytes should be qualified as estimated in SS13-01-1106.

The %Rec of Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Chrysene, Indeno(1,2,3-c,d)pyrene, Phenanthrene, Pyridine, Hexachloroethane and Pyrene were outside QC limits in SS13-01-1106MS/MSD and should be qualified as estimated in SS13-01-1106.
The %Rec of Pyridine was outside QC limits, low in LP-01-110413MS and should be qualified as estimated in LP-01-110413.
The %Rec of several target analytes was outside QC limit in either the matrix spike or the matrix spike duplicate, no further action is required.

COMPOUND QUANTITATION
All criteria were met except several target analytes were detected above the MDL, below the reporting limit and should be recorded as detected and qualified as estimated.

INITIAL CALIBRATION
All criteria were met except the RRF of Pentachlorophenol was outside QC limits. ASP allows for up to four target analytes to be outside QC limits without further action.
The %RSD of 2,4-Dinitrophenol was outside ASP outer QC limits and should be qualified as estimated in the samples, blanks and spikes.
Alternate forms of regression were performed on all target analytes whose %RSD >17%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of 2-Methylphenol in SS05256-CCV1 was outside QC limits. ASP allows for up to four target analytes to be outside QC limits without further action.

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
- 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 but are qualified below in Method Blank, Compound Quantitation and Continuing Calibration.

Detects above the MDL, below the reporting limit were not recorded as detected.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of the surrogates was diluted out in samples, LP-01-110413, LP-02-110413, LP-01-110413 and SS13-01-1106.

METHOD BLANK
All the criteria were met except Hexachlorobenzene in B085035-BLK1 and Toxaphene in B085317-BLK1 were detected above the MDL, below the reporting limit and should be recorded as detected and qualified as estimated. If these target analytes are detected in the associated samples below the reporting limit, then they should be qualified as undetected(U) at the reporting limit.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS
All criteria were met.

COMPOUND QUANTITATION
All criteria were met except several target analytes were detected above the MDL, below the reporting limit and should be recorded as detected and qualified as estimated.

INITIAL CALIBRATION
All criteria were met. Linear regression was performed on all target analytes whose %RSD >15%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Toxaphene was outside QC limits in S004942-CCV3, S004942-CCV9, S004942-CCVA and S004959-CCV4. The %D of Toxaphene(2C) was outside QC limits in S004942-CCV9. The %D of DCBP was outside QC limits in S004942-CCV7. The %D of gamma-BHC, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT and DCBP was outside QC limits in S004942-CCV6 and S004942-CCVC. The %D of Toxaphene and Toxaphene(2C) was outside QC limits in S004959-CCV3. The %D of gamma-BHC was outside QC limits in S004959-CCV6. The results for these target analytes should be qualified as estimated in the associated samples, blanks and spikes

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 but are qualified below in Data Completeness, Narrative and Data Reporting Forms, Surrogate Spike Recoveries, MS/MSD, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met except no data was provided in the initial calibration off instrument ECD5 for Aroclors; 1221, 1232, 1242, 1248, 1254, 1262, 1268. No data was provided in the initial calibration off instrument ECD1 for Aroclors; 1221, 1232, 1242, 1262, 1268. ASP requires at least a single point calibration for all target analytes, thus these target analytes should be qualified as estimated in associated samples, blanks and spikes.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met except no Form 6 was included for the initial calibration performed on instrument ECD1. This does not affect the usability of the data.
No retention times or retention time windows were recorded on the 'Identification Summary For Single Component Analytes' form. The target analytes represented on these forms should be qualified as estimated.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP off column 2 was outside ASP QC limits, high, in SS13-01-1106MS/MSD. Associated target analytes recorded off column 2 should be qualified as estimated in these samples, if detected.

METHOD BLANK
All the 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 the %D between the columns of Aroclor-1260 was outside ASP QC limits in SS13-01-1106MS and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met except the %D between the columns of Aroclor-1260 was outside ASP QC limits in LP-02-110413 and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met. (See Data Completeness, above)

CONTINUING CALIBRATION
All criteria were met except the %D of DCBP and TCMX(2C) were outside QC limits in S005277-CCV1 and S005278-CCV2. The %D of Aroclor 1016 peak 2, DCBP, DCBP(2C) and TCMX(2C) were outside QC limits in S005277-CCV2. The %D of DCBP and TCMX(2C) were outside QC limits in S005277-CCV3. The %D of DCBP and TCMX(2C) were outside QC limits in S005277-CCV4. The %D of DCBP was outside QC limits in S005278-CCV1. These target analytes should be qualified as estimated in the associated sample, blank and spikes.

HERBICIDES

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 Compound Quantitation and Continuing Calibration.

Detects above the MDL, below the reporting limit were not recorded as detected.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was analyzed.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed.

COMPOUND QUANTITATION
All criteria were met except several target analytes were detected above the MDL, below the reporting limit and should be recorded as detected and qualified as estimated.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met except the %D of 2,4-D, 2,4-DB, 2,4,5-TP, 2,4,5-T, Dalapon, Dicamba and Dichloroprop off column 1 was outside QC limits in S005317-CCV1. The %D of 2,4-D, 2,4-DB, 2,4,5-TP, 2,4,5-T, Dalapon and Dinoseb off column 1 was outside QC limits in S005317-CCV2. The %D of all target analytes and 2,4-Dichlorophenylacetic acid was off column 1 was outside QC limits in S005317-CCV3. The %D of 2,4-D, 2,4-DB, 2,4,5-TP, 2,4,5-T, Dicamba, Dichloroprop, Dinoseb, MCPA, MCPP and 2,4-Dichlorophenylacetic acid off column 2 was outside QC limits in S005317-CCV4. The %D of Dalapon off column 1 was outside QC limits in S005317-CCV4. These target analytes should be qualified as estimated off the associated column in the associated samples, blanks and spikes.

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
-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 but are qualified below in Blanks, Laboratory Control Samples, MS/MSD, Duplicate, Compound Quantitation and Calibration.

Detects above the MDL, below the reporting limit were not recorded as detected.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Al and Sb were detected in B084670-BLK1 above the MDL, below the reporting limit and are qualified as estimated. Al, Ca, Pb and Zn were detected in B084892-BLK1 above the MDL, below the reporting limit and are qualified as estimated. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met except the %Rec of Sb was outside QC limits, high in B084670-BS1/BSD1. Associated samples in which this target analyte was detected should be qualified as estimated high.

The %Rec of Sb was outside QC limits, low in B084892-BSD1. Sb was within limits in B084892-BS1, so no further action is required.

MS/MSD
All criteria were met except the %Rec of Al, Fe and Mg was outside QC limits, high in SS13-01-1106MS/MSD. These target analytes should be qualified as estimated high in SS13-01-1106, if detected.
The %Rec of Sb, Ca and Zn was outside QC limits, low in SS13-01-1106MS/MSD and should be qualified as estimated in SS13-01-1106.
The %Rec and %RPD of Ba were outside QC limits in SS13-01-1106MSRE2/SDRE2 and should be qualified as estimated.
No post digest spike was performed.

FIELD DUPLICATE
All criteria were met.

DUPLICATE
All criteria were met except the %RPD between SS13-01-1106 and SS13-01-1106DUP1 of Ca, Cu and Pb was outside QC limits and should be qualified as estimated in SS13-01-1106.
Sb was detected in SS13-01-1106 above the MDL, below the reporting limit but was not detected in SS13-01-1106DUP1.

SERIAL DILUTION
No Serial Dilution was performed.

COMPOUND QUANTITATION
All criteria were met except several target analytes were detected above the MDL, below the reporting limit and should be recorded as detected and qualified as estimated.

CALIBRATION
All criteria were met except the %D of Al, Sb, Mn and Tl was outside QC limits in S005144-LCV1. The %D of Ag and V was outside QC limits in S005187-LCV1. The %D of Al, Sb, As, Ca, Cu and Tl was outside QC limits in S005359-LCV1. These target analytes should be qualified as estimate in the associated samples, blanks and spikes.

GENERAL CHEMISTRY

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

- pH
- Cyanide
- Reactive Cyanide
- Reactive Sulfide
- %Solids

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.

pH
All criteria were met.

CYANIDE
All criteria were met.

REACTIVE CYANIDE
All criteria were met.

REACTIVE SULFIDE
All criteria were met.

%SOLIDS
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Bomax, Watertown, NY
Con-test Analytical Laboratory SDG#14B0834
March 2, 2016
Sampling date: 2/27/2014

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for O'Brien & Gere, project located at Bomax, Watertown, NY, Con-test Analytical Laboratory SDG#14B0834 submitted to Vali-Data of WNY, LLC on February 11, 2016. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA method Volatile Organics (8260C).

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, Compound Quantitation, Initial Calibration and Continuing Calibration.

Detects above the MDL, below the reporting limit were not recorded as detected.

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 criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Methylene Chloride was outside QC limits, high in B091328-BS1/BSD1. Methylene Chloride should be qualified as estimated high if detected in the associated samples.

MS/MSD
All criteria were met except the %Rec of Acetone, Bromomethane, tert-Butyl Alcohol, Chloromethane, Dichlorodifluoromethane, Methylene Chloride and Vinyl Chloride was outside QC limits, low MW12-13-022714MS/MSD. These target analytes should be qualified as estimated in MW12-13-022714MS/MSD and MW12-13-022714.
The %Rec of 1,1,1-Trichloroethane was outside QC limits, high in MW12-13-022714MS/MSD. This target analyte should be qualified as estimated in MW12-13-022714MS/MSD and MW12-13-022714, if detected.

COMPOUND QUANTITATION
All criteria were met except several target analytes were detected above the MDL, below the reporting limit and should be recorded as detected and qualified as estimated.

INITIAL CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane was outside ASP outer QC limits in the initial calibration. This target analyte should be qualified as estimated in the associated samples, blanks and spikes.
The RRF of Trichloroethene was outside QC limits in the initial calibration. ASP allows for up to two target analytes to be outside QC limits without further action.

Alternate forms of regression were performed on all target analytes whose %RSD >15%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of Bromomethane and Bromoform was outside QC limits in S005619-CCV1. ASP allows for up to two target analytes to be outside QC limits without further action.

The RRF of Trichloroethene was outside QC limits in S005619-CCV1. ASP allows for up to two target analytes to be outside QC limits without further action.

The RRF of 1,4-Dioxane was outside ASP outer QC limits in S005619-CCV1. This target analyte should be qualified as estimated in the associated samples, blanks and spikes.

GC/MS PERFORMANCE CHECK

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Bomax, Watertown, NY
Con-Test Analytical Laboratory SDG#15K0570
March 2, 2016
Sampling date: 11/11, 12/2015

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
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West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for O'Brien & Gere, project located at Bomax, Watertown, NY, Con-Test Analytical Laboratory, SDG#15K0570 submitted to Vali-Data of WNY, LLC on February 11, 2016. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA method Volatile Organics (8260C).

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 Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples, Compound Quantitation, Initial Calibration and Continuing Calibration.

Detects above the MDL, below the reporting limit were not recorded as detected.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
The 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 the %Rec of 4-Bromofluorobenzene was outside ASP QC limits, low in MW12-10-111115, MW12-09-111115, MW12-08-111215, MW12-03-111215, MW12-12-111215, MW12-12-111215RE1, MW12-18-111215, MW12-19-111215, MW12-17-111215, MW12-16-111215, Trip Blank and B135750-BLK1. Associated target analytes in these samples should be qualified as estimated.

METHOD BLANK
All criteria were met except several target analytes were detected above the MDL, below the reporting limit and should be recorded as detected and qualified as estimated. If these target analytes are detected in the sample below the reporting limit, then they should be qualified as undetected (U) at the reporting limit.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Acetone was outside QC limits, low in B135656-BS1/BSD1, B135657-BS1/BSD1 and B135750-BS1/BSD1. Acetone should be qualified as estimated in laboratory control samples and the samples.

MS/MSD
No MS/MSD was performed on these samples.

COMPOUND QUANTITATION
All criteria were met except several target analytes were detected above the MDL, below the reporting limit and should be recorded as detected and qualified as estimated.

INITIAL CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane was outside outer QC limits in the initial calibration. 1,4-Dioxane should be qualified as estimated in the samples, blanks and spikes.

Alternate forms of regression were used on target analytes whose %RSD>15%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of Bromoform and Bromomethane was outside ASP QC limits in S010206-CCV1. The %D of Bromoform was outside ASP QC limits in S010207-CCV1 and S010208-CCV1. ASP allows up to two target analytes to be outside QC limits without further action.

The %D of Acetone and 2,2-Dichloropropane was outside ASP outer QC limits in S010207-CCV1 and S010208-CCV1. The RRF of 1,4-Dioxane was outside outer QC limits in the continuing calibrations. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

GC/MS PERFORMANCE CHECK

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Bomax, Watertown, NY
Con-Test Analytical Laboratory SDG#15K0654
March 3, 2016
Reissued; April 8, 2016
Sampling date: 11/13/2015

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
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West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (reissued; April 8, 2016) for O'Brien & Gere, project located at Bomax, Watertown, NY, Con-Test Analytical Laboratory, SDG#15K0654 submitted to Vali-Data of WNY, LLC on February 11, 2016. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA method Volatile Organics (8260C).

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 Surrogate Spike Recoveries, Laboratory Control Samples, MS/MSD, Compound Quantitation, Initial Calibration and Continuing Calibration.

Detects above the MDL, below the reporting limit were not recorded as detected.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
The 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 the %Rec of 4-Bromofluorobenzene was outside ASP QC limits, low in all of the samples and B135750-BLK1. Associated target analytes in these samples should be qualified as estimated.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Acetone was outside QC limits, low in B135657-BS1/BSD1 and B135750-BS1/BSD1. Acetone should be qualified as estimated in laboratory control samples and the samples.

MS/MSD
All criteria were met except the %Rec of Acetone, tert-Butyl Alcohol and 2,2-Dichloropropane was outside QC limit, low in MW12-11-111315MS/MSD and MW12-07-111315MS/MSD. These target analytes should be qualified as estimated in the associated sample.
The %Rec of trans-1,4-Dichloro-2-butene and 1,1,1-Trichloroethane was outside QC limits in MW12-11-111315MSD but was within limits in MW12-11-111315MS, so no further action is required. The %Rec of trans-1,4-Dichloro-2-butene was outside QC limits in MW12-07-111315MSD but was within limits in MW12-07-111315MS, so no further action is required.

COMPOUND QUANTITATION
All criteria were met except several target analytes were detected above the MDL, below the reporting limit and should be recorded as detected and qualified as estimated.

INITIAL CALIBRATION
All criteria were met except the RRF of 1,4-Dioxane was outside outer QC limits in the initial

calibration. 1,4-Dioxane should be qualified as estimated in the samples, blanks and spikes. Alternate forms of regression were used on target analytes whose %RSD>15%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of Bromoform and Bromomethane was outside ASP QC limits in S010206-CCV1. The %D of Bromoform was outside ASP QC limits in S010207-CCV1 and S010208-CCV1. ASP allows up to two target analytes to be outside QC limits without further action.

The %D of Acetone and 2,2-Dichloropropane was outside ASP outer QC limits in S010207-CCV1 and S010208-CCV1. The RRF of 1,4-Dioxane was outside outer QC limits in the continuing calibrations. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

GC/MS PERFORMANCE CHECK

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Bomax
TestAmerica Laboratories, Inc. #480-150284-1
April 17, 2019
Sampling date: 3/14/19

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
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West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Arcadis U.S. Inc., project located at Bomax, Project #480-150284-1, TestAmerica Laboratories, Inc., submitted to Vali-Data of WNY, LLC on April 2, 2019. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA method Volatile Organics (8260C).

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.

Samples; MW12-12_031419, MW12-24_031419, MW12-14_031419, MW12-11_031419, MW12-02_031419, MW12-07_031419, MW-2_031419, X-1_031419 and X-2_031419 were diluted due to high target analyte concentrations.
Samples; MW12-26_031419 and MW12-20_031419 were diluted due to foaming.

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 MW12-22_031419 was outside QC limits. This samples was 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 except 1,1,2-Trichloro-1,2,2-trifluoroethane was detected in X-2_031419 but was not detected in MW12-12_031419. Chloroethane was detected in X-1_031419 but was not detected in MW12-07_031419.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Former Bomax Manufacturing
Eurofins SDG#480-156732-1
September 17, 2019
Sampling date: 7/23, 24/2019

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for O'Brien and Gere, Inc., project located at Former Bomax Manufacturing, Eurofins #480-156732-1 submitted to Vali-Data of WNY, LLC on September 10, 2019. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D SIM ID), Dissolved Gases (RSK-175) and in compliance with Wet Chemistry methods.

Sample, X3-072319 was mislabeled throughout the document and should read X3-072419 as per the Chain of Custody. This does not affect the usability of the data.

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.

Samples; MW12-11-072319, MW12-02-072319, MW12-12-072419, MW12-07-072419, MW12-04-072419, X1-072319 and X2-072319 were diluted 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.

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.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes in which the %RSD> 20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

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.

Samples; MW12-11-072319, MW12-11-072319MS/MSD, MW12-02-072319, MW12-12-072419, MW12-07-072419 and MW12-04-072419 were diluted 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 for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired for this analysis.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

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.

RSK-175

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
- Method Blank
- 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 for the sample were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired for this analysis.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

GENERAL CHEMISTRY

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

- Alkalinity
- Chloride/Sulfate
- COD
- DOC
- Ammonia-Nitrogen
- ortho-Phosphate
- Nitrite-Nitrate
- Phosphorus
- Sulfide
- TDS
- TKN
- TOC

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.

ALKALINITY

All criteria were met except there were detects in all of the CCB's and method blanks in batch #484916. Associated samples in which alkalinity was detected below the reporting limit should be qualified as undetected at the reporting limit. Associated samples in which alkalinity was detected above the reporting limit should be qualified as estimated high.
The %Rec of Alkalinity was outside QC limits, low in MW12-08-072419MS/MSD and should be qualified as estimated in MW12-08-072419 and MW12-08-072419MS/MSD.

CHLORIDE/SULFATE

All criteria were met.

Samples; MW12-10-072419, MW12-20-072419 and X3-072419 were diluted due to high target analyte concentrations.
Samples; MW12-18-072419 and MW12-08-072419 were diluted due to screening results.

COD

All criteria were met.

DOC

All criteria were met.

AMMONIA-NITROGEN
All criteria were met.

ORTHO-PHOSPHATE
All criteria were met except ortho-Phosphate was detected in X3-072419 but was not detected in MW12-10-072419.

NITROGEN-NITRATE
All criteria were met except Nitrate was detected in X3-072419 but was not detected in MW12-10-072419.

PHOSPHORUS
All criteria were met.

SULFIDE
All criteria were met.

TDS
All criteria were met.

TKN
All criteria were met except the %Rec of TKN was outside QC limits, low in MW12-08-072419MS/MSD and should be qualified as estimated in MW12-08-072419 and MW12-08-072419MS/MSD.

TOC
All criteria were met except the temperature of the samples was outside QC limits high. All samples were detected above the MDL, so the TOC results should be qualified as estimate.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Former Bomax Manufacturing
Eurofins SDG#480-156747-1
September 18, 2019
Sampling date: 7/23, 24/2019

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for O'Brien &Gere/Ramboll, project located at Former Bomax Manufacturing, Eurofins #480-156747-1 submitted to Vali-Data of WNY, LLC on September 10, 2019. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA method; PFC IDA (537 modified).

PFC IDA

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 Recoveries
- Internal Standard
- Method Blank
- 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 Recoveries, Compound Quantitation and Method Blank.

Samples; MW12-11-072319, MW12-11-072319MS/MSD and MW12-02-072319 were diluted due to high target analyte concentrations and an abundance of non-target analytes.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE RECOVERIES
All criteria were met except the %Rec of 13C2 PFTeDA was outside QC limits, low in MW12-11-072319, MW12-01-072319, FB-072319 and X1-072319 and should be qualified as estimated low. The %Rec of d5-NEtFOSAA was outside QC limits, low in MW12-11-072319MS and should be qualified as estimated low. The %Rec of d3-NMeFOSAA was outside QC limits, low in MW12-11-072319MSD and should be qualified as estimated low. Associated target analytes in these samples should be qualified as estimated high, if detected.

INTERNAL STANDARD
All criteria were met except the area of several internal standards were qualified as outside QC limits in several samples. When corrected for the dilution the areas are within limits, so no further action is required.

METHOD BLANK
All the criteria were met except PFNA and PFUnA were detected above the MDL, below the reporting limit and are qualified as estimated in MB 200-145718/1-A. PFOS were detected above the MDL, below the reporting limit and are qualified as estimated in MB 200-145733/1-A. These target analytes should be qualified as undetected at the reporting limit if they were detected in the associated samples below the reporting limit. These target analytes should be qualified as estimated high if they were detected in the associated samples above the reporting limit.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except PFBA, PFHxA, PFHpA, PFOA, PFNA and PFBS were detected in X1-072319 but were not detected in MW12-02-072319.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All the criteria were met except PFOS was detected above the MDL, below the reporting limit and is qualified as estimated in EB-072419. This target analyte should be qualified as undetected at the reporting limit if it was detected in the associated samples below the reporting limit. This target analyte should be qualified as estimated high if it was detected in the associated samples above the reporting limit.

INITIAL CALIBRATION
All criteria were met.

CONTINUING CALIBRATION
All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Former Bomax Manufacturing
Eurofins SDG#480-156865-1
September 19, 2019
Sampling date: 7/25, 26/2019

Prepared by:
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West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for O'Brien and Gere, Inc., project located at Former Bomax Manufacturing, Eurofins #480-156865-1 submitted to Vali-Data of WNY, LLC on September 10, 2019. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analysis using USEPA method Volatile Organics (8260C) and Semi-Volatile Organics (8270D SIM ID).

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.

Samples; MW12-24-072519, MW12-26-072519 and MW-2-072519 were diluted 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 MW12-28-072619 was outside QC limits but was run 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 except Hexachlorobutadiene was detected in MB 480-484397/8. This TIC was not detected in the samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired for this analysis.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of Vinyl Chloride was outside QC limits, high in MW-1-072519MS/MSD. This target analyte was not detected in MW-1-071519, 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 target analytes in which the %RSD> 20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

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.

Samples; MW12-21-072519, MW-1-072519 and X4-072519 were diluted 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 for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

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.

Data Usability Summary Report

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

Bomax Manufacturing #623009
Eurofins SDG#480-192614-1
March 14, 2022
Sampling date: 11/16, 17/2021

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
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Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for Ramboll, project located at Bomax Manufacturing #623009, Eurofins SDG#480-192614-1 submitted to Vali-Data of WNY, LLC on February 14, 2022. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C) and Semi-Volatile Organics (8270D SIM ID).

ID	Sample ID	Laboratory ID
1	TRIPBLANK-111721	480-192614-1
2	MW-12-07-111621	480-192614-2
3	MW-12-24-111621	480-192614-3
4	MW-12-05-111721	480-192614-4
5	MW-12-01-111721	480-192614-5
6	MW-12-03-111721	480-192614-6
7	MW-1-111721	480-192614-7
8	MW-3-111721	480-192614-8
9	MW12-13-111721	480-192614-9
10	MW-12-26-111721	480-192614-10
11	MW-2-111721	480-192614-11
12	MW-12-15-111721	480-192614-12
13	X-1-111621	480-192614-13

The temperature of some of the samples arrived outside QC limits, low but was above 0^{o}C, so no further action is required.

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, Initial Calibration and Continuing Calibration.

Samples: #2, 3, 11, 13 and 3MS/MSD were diluted 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.

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 except the %Rec of Bromodichloromethane and Chloroethane were outside QC limits, high in LCS 480-606618/5 and should be qualified as estimated. These target analytes were not detected in the associated samples, so no further action is required.

MS/MSD

All criteria were met except several target analytes were outside QC limits, high in the matrix spikes and matrix spike duplicates and are qualified with an 'F1'. These target analytes were not detected in the associated samples, so no further action is required.

The RPD of Chloroethane was outside QC limits between MW12-03-111721MS and MW12-03-111721MSD and should be qualified as estimated. This target analyte should be qualified as estimated in MW-12-03-111721.

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.

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

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met except some target analytes were outside QC limits in the initial calibration and the initial calibration verification. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

Cal ID	Target Analyte	%RSD/%D	Qualifier	Associated Sample
HP5977L	Carbon Disulfide	26.4	UJ/J	All blanks, samples, spikes
HP5977L	Chlorodibromomethane	26.5	UJ/J	All blanks, samples, spikes
HP5977L	Bromoform	26.5	UJ/J	All blanks, samples, spikes
ICV 480-604142/26	Chlorodibromomethane	22.6	UJ/J	All blanks, samples, spikes

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	%D	Qualifier	Associated Sample
CCVIS 480-606618/3	1,1-Dichloroethane	21.5	UJ/J	MB/LCS 480-606618, 3dl, 9, 11, 13dl, 3MS/MSD
CCVIS 480-606618/3	Dichlorobromomethane	22.9	UJ/J	MB/LCS 480-606618, 3dl, 9, 11, 13dl, 3MS/MSD
CCVIS 480-606618/3	1,2-Dichloropropane	23.1	UJ/J	MB/LCS 480-606618, 3dl, 9, 11, 13dl, 3MS/MSD
CCVIS 480-606618/3	Dibromochloromethane	20.1	UJ/J	MB/LCS 480-606618, 3dl, 9, 11, 13dl, 3MS/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.

Samples: #3, 7 and 13 were diluted due to high target analyte concentration.

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.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

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.

Job Narrative
480-192614-1

Comments
No additional comments.

Receipt
The samples were received on 11/18/2021 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 1.9º C and 2.4º C.

GC/MS VOA
Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-606404 were outside control limits for Chloroethane, Carbon disulfide, Carbon tetrachloride, and Trichlorofluoromethane. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-606404 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: TRIPBLANK-111721 (480-192614-1), MW12-07-111621 (480-192614-2), MW12-24-111621 (480-192614-3), MW12-05-111721 (480-192614-4), MW12-01-111721 (480-192614-5), MW12-03-111721 (480-192614-6), MW-1-111721 (480-192614-7), MW-3-111721 (480-192614-8), MW12-26-111721 (480-192614-10), MW12-15-111721 (480-192614-12) and X-1-111621 (480-192614-13).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW12-07-111621 (480-192614-2), MW12-24-111621 (480-192614-3), MW-2-111721 (480-192614-11), X-1-111621 (480-192614-13), (480-192614-E-3 MS) and (480-192614-E-3 MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-606618 recovered above the upper control limit for 1,2-Dichloropropane, Carbon disulfide, Dibromochloromethane, Chloromethane, Bromodichloromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW12-24-111621 (480-192614-3), MW-2-111721 (480-192614-11) and X-1-111621 (480-192614-13).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-606618 recovered above the upper control limit for 1,1-Dichloroethane, 1,2-Dichloropropane, Carbon disulfide, Dibromochloromethane, Chloromethane, Bromodichloromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: MW12-13-111721 (480-192614-9).

Method 8260C: The continuing calibration verification (CCV) analyzed in 480-606618 was outside the method criteria for the following analyte: 1,1-Dichloroethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The associated samples are impacted: MW12-24-111621 (480-192614-3), MW-2-111721 (480-192614-11) and X-1-111621 (480-192614-13).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-606618 recovered outside control limits for the following analytes: Bromodichloromethane and Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: MW12-24-111621 (480-192614-3), MW12-13-111721 (480-192614-9), MW-2-111721 (480-192614-11) and X-1-111621 (480-192614-13).

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 SIM ID: The 1,4-Dioxane result reported for samples MW12-07-111621 (480-192614-2), MW-1-111721 (480-192614-7) and MW-2-111721 (480-192614-11) have an E flag qualifier indicating the results are over the calibration range on the raw data. The actual amounts are within the calibration range; however, the E flag is generated based upon the bias corrected concentration. The LIMS system calculates a bias correction based on the recovery of the 1,4-Dioxane-d8 isotope.

Method 8270D SIM ID: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW12-24-111621 (480-192614-3), MW-1-111721 (480-192614-7) and X-1-111621 (480-192614-13). 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.

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

Client Sample ID: TRIPBLANK-111721
Lab Sample ID: 480-192614-1

Date Collected: 11/17/21 00:00
Matrix: Water

Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/21 11:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/21 11:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/21 11:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/21 11:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/21 11:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/21 11:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/21 11:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/21 11:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/21 11:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/21 11:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/21 11:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/21 11:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/21 11:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/21 11:11	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/21 11:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/21 11:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/21 11:11	1
Acetone	ND		10	3.0	ug/L			11/24/21 11:11	1
Benzene	ND		1.0	0.41	ug/L			11/24/21 11:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/21 11:11	1
Bromoform	ND		1.0	0.26	ug/L			11/24/21 11:11	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/21 11:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/21 11:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/21 11:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/21 11:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/21 11:11	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/21 11:11	1
Chloroform	ND		1.0	0.34	ug/L			11/24/21 11:11	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/21 11:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/21 11:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/21 11:11	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/21 11:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/21 11:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/21 11:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/21 11:11	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/21 11:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/21 11:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/21 11:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/21 11:11	1
Styrene	ND		1.0	0.73	ug/L			11/24/21 11:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/21 11:11	1
Toluene	ND		1.0	0.51	ug/L			11/24/21 11:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/21 11:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/21 11:11	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/21 11:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/21 11:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/21 11:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/21 11:11	1

Client Sample ID: TRIPBLANK-111721
Lab Sample ID: 480-192614-1

Date Collected: 11/17/21 00:00
Matrix: Water
Date Received: 11/18/21 10:00

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/24/21 11:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		77 - 120		11/24/21 11:11	1
Toluene-d8 (Surr)	103		80 - 120		11/24/21 11:11	1
4-Bromofluorobenzene (Surr)	100		73 - 120		11/24/21 11:11	1
Dibromofluoromethane (Surr)	108		75 - 123		11/24/21 11:11	1

Client Sample ID: MW12-07-111621
Lab Sample ID: 480-192614-2

Date Collected: 11/16/21 12:35
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**570**		10	8.2	ug/L			11/24/21 11:32	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			11/24/21 11:32	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			11/24/21 11:32	10
1,1,2-Trichloro-1,2,2-trifluoroethane	**120**		10	3.1	ug/L			11/24/21 11:32	10
1,1-Dichloroethane	**480**		10	3.8	ug/L			11/24/21 11:32	10
1,1-Dichloroethene	**19**		10	2.9	ug/L			11/24/21 11:32	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			11/24/21 11:32	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			11/24/21 11:32	10
1,2-Dibromoethane	ND		10	7.3	ug/L			11/24/21 11:32	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			11/24/21 11:32	10
1,2-Dichloroethane	ND		10	2.1	ug/L			11/24/21 11:32	10
1,2-Dichloropropane	ND		10	7.2	ug/L			11/24/21 11:32	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			11/24/21 11:32	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			11/24/21 11:32	10
2-Hexanone	ND		50	12	ug/L			11/24/21 11:32	10
2-Butanone (MEK)	ND		100	13	ug/L			11/24/21 11:32	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			11/24/21 11:32	10
Acetone	ND		100	30	ug/L			11/24/21 11:32	10
Benzene	ND		10	4.1	ug/L			11/24/21 11:32	10
Bromodichloromethane	ND		10	3.9	ug/L			11/24/21 11:32	10
Bromoform	ND		10	2.6	ug/L			11/24/21 11:32	10
Bromomethane	ND		10	6.9	ug/L			11/24/21 11:32	10
Carbon disulfide	ND		10	1.9	ug/L			11/24/21 11:32	10
Carbon tetrachloride	ND		10	2.7	ug/L			11/24/21 11:32	10
Chlorobenzene	ND		10	7.5	ug/L			11/24/21 11:32	10
Dibromochloromethane	ND		10	3.2	ug/L			11/24/21 11:32	10
Chloroethane	ND		10	3.2	ug/L			11/24/21 11:32	10
Chloroform	ND		10	3.4	ug/L			11/24/21 11:32	10
Chloromethane	ND		10	3.5	ug/L			11/24/21 11:32	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			11/24/21 11:32	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			11/24/21 11:32	10
Cyclohexane	ND		10	1.8	ug/L			11/24/21 11:32	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			11/24/21 11:32	10
Ethylbenzene	ND		10	7.4	ug/L			11/24/21 11:32	10
Isopropylbenzene	ND		10	7.9	ug/L			11/24/21 11:32	10
Methyl acetate	ND		25	13	ug/L			11/24/21 11:32	10

Client Sample ID: MW12-07-111621
Lab Sample ID: 480-192614-2
Date Collected: 11/16/21 12:35
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		10	1.6	ug/L			11/24/21 11:32	10
Methylcyclohexane	ND		10	1.6	ug/L			11/24/21 11:32	10
Methylene Chloride	ND		10	4.4	ug/L			11/24/21 11:32	10
Styrene	ND		10	7.3	ug/L			11/24/21 11:32	10
Tetrachloroethene	ND		10	3.6	ug/L			11/24/21 11:32	10
Toluene	ND		10	5.1	ug/L			11/24/21 11:32	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			11/24/21 11:32	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			11/24/21 11:32	10
Trichloroethene	ND		10	4.6	ug/L			11/24/21 11:32	10
Trichlorofluoromethane	ND		10	8.8	ug/L			11/24/21 11:32	10
Vinyl chloride	ND		10	9.0	ug/L			11/24/21 11:32	10
Xylenes, Total	ND		20	6.6	ug/L			11/24/21 11:32	10

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/24/21 11:32*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*11/24/21 11:32*	*10*
Toluene-d8 (Surr)	*96*		*80 - 120*		*11/24/21 11:32*	*10*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*11/24/21 11:32*	*10*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*11/24/21 11:32*	*10*

Method: 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	**26**	**E**	0.20	0.10	ug/L		11/19/21 14:58	11/22/21 16:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*45*		*15 - 110*	*11/19/21 14:58*	*11/22/21 16:25*	*1*

Client Sample ID: MW12-24-111621
Lab Sample ID: 480-192614-3
Date Collected: 11/16/21 12:50
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**650**	**E**	4.0	3.3	ug/L			11/24/21 11:55	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			11/24/21 11:55	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			11/24/21 11:55	4
1,1,2-Trichloro-1,2,2-trifluoroethane	**11**		4.0	1.2	ug/L			11/24/21 11:55	4
1,1-Dichloroethane	**220**		4.0	1.5	ug/L			11/24/21 11:55	4
1,1-Dichloroethene	**11**		4.0	1.2	ug/L			11/24/21 11:55	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			11/24/21 11:55	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			11/24/21 11:55	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			11/24/21 11:55	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			11/24/21 11:55	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			11/24/21 11:55	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			11/24/21 11:55	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			11/24/21 11:55	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			11/24/21 11:55	4
2-Hexanone	ND		20	5.0	ug/L			11/24/21 11:55	4
2-Butanone (MEK)	ND		40	5.3	ug/L			11/24/21 11:55	4

Client Sample ID: MW12-24-111621
Lab Sample ID: 480-192614-3

Date Collected: 11/16/21 12:50
Matrix: Water

Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			11/24/21 11:55	4
Acetone	ND		40	12	ug/L			11/24/21 11:55	4
Benzene	ND		4.0	1.6	ug/L			11/24/21 11:55	4
Bromodichloromethane	ND		4.0	1.6	ug/L			11/24/21 11:55	4
Bromoform	ND		4.0	1.0	ug/L			11/24/21 11:55	4
Bromomethane	ND		4.0	2.8	ug/L			11/24/21 11:55	4
Carbon disulfide	ND		4.0	0.76	ug/L			11/24/21 11:55	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			11/24/21 11:55	4
Chlorobenzene	ND		4.0	3.0	ug/L			11/24/21 11:55	4
Dibromochloromethane	ND		4.0	1.3	ug/L			11/24/21 11:55	4
Chloroethane	ND		4.0	1.3	ug/L			11/24/21 11:55	4
Chloroform	ND		4.0	1.4	ug/L			11/24/21 11:55	4
Chloromethane	ND		4.0	1.4	ug/L			11/24/21 11:55	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			11/24/21 11:55	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			11/24/21 11:55	4
Cyclohexane	ND		4.0	0.72	ug/L			11/24/21 11:55	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			11/24/21 11:55	4
Ethylbenzene	ND		4.0	3.0	ug/L			11/24/21 11:55	4
Isopropylbenzene	ND		4.0	3.2	ug/L			11/24/21 11:55	4
Methyl acetate	ND		10	5.2	ug/L			11/24/21 11:55	4
Methyl tert-butyl ether	**2.4**	**J**	4.0	0.64	ug/L			11/24/21 11:55	4
Methylcyclohexane	ND		4.0	0.64	ug/L			11/24/21 11:55	4
Methylene Chloride	ND		4.0	1.8	ug/L			11/24/21 11:55	4
Styrene	ND		4.0	2.9	ug/L			11/24/21 11:55	4
Tetrachloroethene	ND		4.0	1.4	ug/L			11/24/21 11:55	4
Toluene	ND		4.0	2.0	ug/L			11/24/21 11:55	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			11/24/21 11:55	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			11/24/21 11:55	4
Trichloroethene	ND		4.0	1.8	ug/L			11/24/21 11:55	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			11/24/21 11:55	4
Vinyl chloride	ND		4.0	3.6	ug/L			11/24/21 11:55	4
Xylenes, Total	ND		8.0	2.6	ug/L			11/24/21 11:55	4

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/24/21 11:55*	*4*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*11/24/21 11:55*	*4*
Toluene-d8 (Surr)	*94*		*80 - 120*		*11/24/21 11:55*	*4*
4-Bromofluorobenzene (Surr)	*84*		*73 - 120*		*11/24/21 11:55*	*4*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*11/24/21 11:55*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**680**		20	16	ug/L			11/26/21 11:30	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			11/26/21 11:30	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			11/26/21 11:30	20
1,1,2-Trichloro-1,2,2-trifluoroethane	**9.3**	**J**	20	6.2	ug/L			11/26/21 11:30	20
1,1-Dichloroethane	**250**		20	7.6	ug/L			11/26/21 11:30	20

Client Sample ID: MW12-24-111621
Lab Sample ID: 480-192614-3

Date Collected: 11/16/21 12:50
Matrix: Water

Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	**11**	**J**	20	5.8	ug/L			11/26/21 11:30	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			11/26/21 11:30	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			11/26/21 11:30	20
1,2-Dibromoethane	ND		20	15	ug/L			11/26/21 11:30	20
1,2-Dichlorobenzene	ND		20	16	ug/L			11/26/21 11:30	20
1,2-Dichloroethane	ND		20	4.2	ug/L			11/26/21 11:30	20
1,2-Dichloropropane	ND	F1	20	14	ug/L			11/26/21 11:30	20
1,3-Dichlorobenzene	ND		20	16	ug/L			11/26/21 11:30	20
1,4-Dichlorobenzene	ND		20	17	ug/L			11/26/21 11:30	20
2-Hexanone	ND		100	25	ug/L			11/26/21 11:30	20
2-Butanone (MEK)	ND		200	26	ug/L			11/26/21 11:30	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			11/26/21 11:30	20
Acetone	ND		200	60	ug/L			11/26/21 11:30	20
Benzene	ND		20	8.2	ug/L			11/26/21 11:30	20
Bromodichloromethane	ND	*+	20	7.8	ug/L			11/26/21 11:30	20
Bromoform	ND		20	5.2	ug/L			11/26/21 11:30	20
Bromomethane	ND		20	14	ug/L			11/26/21 11:30	20
Carbon disulfide	ND		20	3.8	ug/L			11/26/21 11:30	20
Carbon tetrachloride	ND		20	5.4	ug/L			11/26/21 11:30	20
Chlorobenzene	ND		20	15	ug/L			11/26/21 11:30	20
Dibromochloromethane	ND		20	6.4	ug/L			11/26/21 11:30	20
Chloroethane	ND	F1 *+	20	6.4	ug/L			11/26/21 11:30	20
Chloroform	ND		20	6.8	ug/L			11/26/21 11:30	20
Chloromethane	ND		20	7.0	ug/L			11/26/21 11:30	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			11/26/21 11:30	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			11/26/21 11:30	20
Cyclohexane	ND		20	3.6	ug/L			11/26/21 11:30	20
Dichlorodifluoromethane	ND		20	14	ug/L			11/26/21 11:30	20
Ethylbenzene	ND		20	15	ug/L			11/26/21 11:30	20
Isopropylbenzene	ND		20	16	ug/L			11/26/21 11:30	20
Methyl acetate	ND		50	26	ug/L			11/26/21 11:30	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			11/26/21 11:30	20
Methylcyclohexane	ND		20	3.2	ug/L			11/26/21 11:30	20
Methylene Chloride	ND		20	8.8	ug/L			11/26/21 11:30	20
Styrene	ND		20	15	ug/L			11/26/21 11:30	20
Tetrachloroethene	ND		20	7.2	ug/L			11/26/21 11:30	20
Toluene	ND		20	10	ug/L			11/26/21 11:30	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			11/26/21 11:30	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			11/26/21 11:30	20
Trichloroethene	ND		20	9.2	ug/L			11/26/21 11:30	20
Trichlorofluoromethane	ND		20	18	ug/L			11/26/21 11:30	20
Vinyl chloride	ND		20	18	ug/L			11/26/21 11:30	20
Xylenes, Total	ND		40	13	ug/L			11/26/21 11:30	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/26/21 11:30*	*20*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*11/26/21 11:30*	*20*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/26/21 11:30*	*20*

Client Sample ID: MW12-24-111621
Lab Sample ID: 480-192614-3

Date Collected: 11/16/21 12:50
Matrix: Water
Date Received: 11/18/21 10:00

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*11/26/21 11:30*	*20*
Dibromofluoromethane (Surr)	*114*		*75 - 123*		*11/26/21 11:30*	*20*

Method: 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	**67**		1.0	0.50	ug/L		11/19/21 14:58	11/23/21 15:07	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*36*		*15 - 110*	*11/19/21 14:58*	*11/23/21 15:07*	*5*

Client Sample ID: MW12-05-111721
Lab Sample ID: 480-192614-4

Date Collected: 11/17/21 07:45
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/21 12:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/21 12:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/21 12:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/21 12:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/21 12:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/21 12:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/21 12:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/21 12:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/21 12:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/21 12:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/21 12:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/21 12:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/21 12:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/21 12:17	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/21 12:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/21 12:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/21 12:17	1
Acetone	**21**		10	3.0	ug/L			11/24/21 12:17	1
Benzene	ND		1.0	0.41	ug/L			11/24/21 12:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/21 12:17	1
Bromoform	ND		1.0	0.26	ug/L			11/24/21 12:17	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/21 12:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/21 12:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/21 12:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/21 12:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/21 12:17	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/21 12:17	1
Chloroform	ND		1.0	0.34	ug/L			11/24/21 12:17	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/21 12:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/21 12:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/21 12:17	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/21 12:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/21 12:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/21 12:17	1

Client Sample ID: MW12-05-111721
Lab Sample ID: 480-192614-4
Date Collected: 11/17/21 07:45
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/21 12:17	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/21 12:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/21 12:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/21 12:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/21 12:17	1
Styrene	ND		1.0	0.73	ug/L			11/24/21 12:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/21 12:17	1
Toluene	ND		1.0	0.51	ug/L			11/24/21 12:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/21 12:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/21 12:17	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/21 12:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/21 12:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/21 12:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/21 12:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
3-Octanone	*2.5*	*T J N*	*ug/L*		*11.22*	*106-68-3*		*11/24/21 12:17*	*1*
5-Hepten-2-one, 6-methyl-	*11*	*T J N*	*ug/L*		*11.29*	*110-93-0*		*11/24/21 12:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*11/24/21 12:17*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/24/21 12:17*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*11/24/21 12:17*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*11/24/21 12:17*	*1*

Method: 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	ND		0.20	0.10	ug/L		11/19/21 14:58	11/22/21 17:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*49*		*15 - 110*	*11/19/21 14:58*	*11/22/21 17:12*	*1*

Client Sample ID: MW12-01-111721
Lab Sample ID: 480-192614-5
Date Collected: 11/17/21 08:20
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/21 12:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/21 12:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/21 12:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/21 12:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/21 12:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/21 12:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/21 12:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/21 12:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/21 12:42	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/21 12:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/21 12:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/21 12:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/21 12:42	1

Client Sample ID: MW12-01-111721
Lab Sample ID: 480-192614-5

Date Collected: 11/17/21 08:20
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/21 12:42	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/21 12:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/21 12:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/21 12:42	1
Acetone	ND		10	3.0	ug/L			11/24/21 12:42	1
Benzene	ND		1.0	0.41	ug/L			11/24/21 12:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/21 12:42	1
Bromoform	ND		1.0	0.26	ug/L			11/24/21 12:42	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/21 12:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/21 12:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/21 12:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/21 12:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/21 12:42	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/21 12:42	1
Chloroform	ND		1.0	0.34	ug/L			11/24/21 12:42	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/21 12:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/21 12:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/21 12:42	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/21 12:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/21 12:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/21 12:42	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/21 12:42	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/21 12:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/21 12:42	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/21 12:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/21 12:42	1
Styrene	ND		1.0	0.73	ug/L			11/24/21 12:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/21 12:42	1
Toluene	ND		1.0	0.51	ug/L			11/24/21 12:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/21 12:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/21 12:42	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/21 12:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/21 12:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/21 12:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/21 12:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/24/21 12:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*11/24/21 12:42*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*11/24/21 12:42*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*11/24/21 12:42*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*11/24/21 12:42*	*1*

Method: 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	ND		0.20	0.10	ug/L		11/19/21 14:58	11/22/21 17:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*40*		*15 - 110*	*11/19/21 14:58*	*11/22/21 17:35*	*1*

Client Sample ID: MW12-03-111721
Lab Sample ID: 480-192614-6

Date Collected: 11/17/21 09:00
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1	1.0	0.82	ug/L			11/24/21 13:05	1
1,1,2,2-Tetrachloroethane	ND	F1	1.0	0.21	ug/L			11/24/21 13:05	1
1,1,2-Trichloroethane	ND	F1	1.0	0.23	ug/L			11/24/21 13:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/21 13:05	1
1,1-Dichloroethane	ND	F1	1.0	0.38	ug/L			11/24/21 13:05	1
1,1-Dichloroethene	ND	F1	1.0	0.29	ug/L			11/24/21 13:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/21 13:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/21 13:05	1
1,2-Dibromoethane	ND	F1	1.0	0.73	ug/L			11/24/21 13:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/21 13:05	1
1,2-Dichloroethane	ND	F1	1.0	0.21	ug/L			11/24/21 13:05	1
1,2-Dichloropropane	ND	F1	1.0	0.72	ug/L			11/24/21 13:05	1
1,3-Dichlorobenzene	ND	F1	1.0	0.78	ug/L			11/24/21 13:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/21 13:05	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/21 13:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/21 13:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/21 13:05	1
Acetone	ND		10	3.0	ug/L			11/24/21 13:05	1
Benzene	ND	F1	1.0	0.41	ug/L			11/24/21 13:05	1
Bromodichloromethane	ND	F1	1.0	0.39	ug/L			11/24/21 13:05	1
Bromoform	ND		1.0	0.26	ug/L			11/24/21 13:05	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/21 13:05	1
Carbon disulfide	ND	F1	1.0	0.19	ug/L			11/24/21 13:05	1
Carbon tetrachloride	ND	F1	1.0	0.27	ug/L			11/24/21 13:05	1
Chlorobenzene	ND	F1	1.0	0.75	ug/L			11/24/21 13:05	1
Dibromochloromethane	ND	F1	1.0	0.32	ug/L			11/24/21 13:05	1
Chloroethane	ND	F1 F2	1.0	0.32	ug/L			11/24/21 13:05	1
Chloroform	ND	F1	1.0	0.34	ug/L			11/24/21 13:05	1
Chloromethane	ND	F1	1.0	0.35	ug/L			11/24/21 13:05	1
cis-1,2-Dichloroethene	ND	F1	1.0	0.81	ug/L			11/24/21 13:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/21 13:05	1
Cyclohexane	ND	F1	1.0	0.18	ug/L			11/24/21 13:05	1
Dichlorodifluoromethane	ND	F1	1.0	0.68	ug/L			11/24/21 13:05	1
Ethylbenzene	ND	F1	1.0	0.74	ug/L			11/24/21 13:05	1
Isopropylbenzene	ND	F1	1.0	0.79	ug/L			11/24/21 13:05	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/21 13:05	1
Methyl tert-butyl ether	ND	F1	1.0	0.16	ug/L			11/24/21 13:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/21 13:05	1
Methylene Chloride	ND	F1	1.0	0.44	ug/L			11/24/21 13:05	1
Styrene	ND		1.0	0.73	ug/L			11/24/21 13:05	1
Tetrachloroethene	ND	F1	1.0	0.36	ug/L			11/24/21 13:05	1
Toluene	ND	F1	1.0	0.51	ug/L			11/24/21 13:05	1
trans-1,2-Dichloroethene	ND	F1	1.0	0.90	ug/L			11/24/21 13:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/21 13:05	1
Trichloroethene	ND	F1	1.0	0.46	ug/L			11/24/21 13:05	1
Trichlorofluoromethane	ND	F1	1.0	0.88	ug/L			11/24/21 13:05	1
Vinyl chloride	ND	F1	1.0	0.90	ug/L			11/24/21 13:05	1
Xylenes, Total	ND	F1	2.0	0.66	ug/L			11/24/21 13:05	1

Client Sample ID: MW12-03-111721
Lab Sample ID: 480-192614-6

Date Collected: 11/17/21 09:00
Matrix: Water
Date Received: 11/18/21 10:00

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/24/21 13:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		11/24/21 13:05	1
Toluene-d8 (Surr)	97		80 - 120		11/24/21 13:05	1
4-Bromofluorobenzene (Surr)	87		73 - 120		11/24/21 13:05	1
Dibromofluoromethane (Surr)	104		75 - 123		11/24/21 13:05	1

Method: 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	1.8		0.20	0.10	ug/L		11/19/21 14:58	11/22/21 15:15	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	46		15 - 110	11/19/21 14:58	11/22/21 15:15	1

Client Sample ID: MW-1-111721
Lab Sample ID: 480-192614-7

Date Collected: 11/17/21 10:00
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/21 13:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/21 13:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/21 13:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/21 13:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/21 13:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/21 13:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/21 13:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/21 13:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/21 13:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/21 13:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/21 13:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/21 13:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/21 13:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/21 13:29	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/21 13:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/21 13:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/21 13:29	1
Acetone	ND		10	3.0	ug/L			11/24/21 13:29	1
Benzene	ND		1.0	0.41	ug/L			11/24/21 13:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/21 13:29	1
Bromoform	ND		1.0	0.26	ug/L			11/24/21 13:29	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/21 13:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/21 13:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/21 13:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/21 13:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/21 13:29	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/21 13:29	1
Chloroform	ND		1.0	0.34	ug/L			11/24/21 13:29	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/21 13:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/21 13:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/21 13:29	1

Client Sample ID: MW-1-111721
Lab Sample ID: 480-192614-7

Date Collected: 11/17/21 10:00
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		1.0	0.18	ug/L			11/24/21 13:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/21 13:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/21 13:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/21 13:29	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/21 13:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/21 13:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/21 13:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/21 13:29	1
Styrene	ND		1.0	0.73	ug/L			11/24/21 13:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/21 13:29	1
Toluene	ND		1.0	0.51	ug/L			11/24/21 13:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/21 13:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/21 13:29	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/21 13:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/21 13:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/21 13:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/21 13:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/24/21 13:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*11/24/21 13:29*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*11/24/21 13:29*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*11/24/21 13:29*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*11/24/21 13:29*	*1*

Method: 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	**140**	**E**	1.0	0.50	ug/L		11/19/21 14:58	11/23/21 15:30	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*		*15 - 110*	*11/19/21 14:58*	*11/23/21 15:30*	*5*

Client Sample ID: MW-3-111721
Lab Sample ID: 480-192614-8

Date Collected: 11/17/21 10:30
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/21 13:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/21 13:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/21 13:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/21 13:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/21 13:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/21 13:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/21 13:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/21 13:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/21 13:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/21 13:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/21 13:51	1

Client Sample ID: MW-3-111721
Lab Sample ID: 480-192614-8

Date Collected: 11/17/21 10:30
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/21 13:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/21 13:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/21 13:51	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/21 13:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/21 13:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/21 13:51	1
Acetone	ND		10	3.0	ug/L			11/24/21 13:51	1
Benzene	ND		1.0	0.41	ug/L			11/24/21 13:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/21 13:51	1
Bromoform	ND		1.0	0.26	ug/L			11/24/21 13:51	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/21 13:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/21 13:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/21 13:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/21 13:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/21 13:51	1
Chloroethane	**1.1**		1.0	0.32	ug/L			11/24/21 13:51	1
Chloroform	ND		1.0	0.34	ug/L			11/24/21 13:51	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/21 13:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/21 13:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/21 13:51	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/21 13:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/21 13:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/21 13:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/21 13:51	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/21 13:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/21 13:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/21 13:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/21 13:51	1
Styrene	ND		1.0	0.73	ug/L			11/24/21 13:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/21 13:51	1
Toluene	ND		1.0	0.51	ug/L			11/24/21 13:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/21 13:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/21 13:51	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/21 13:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/21 13:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/21 13:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/21 13:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/24/21 13:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*11/24/21 13:51*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/24/21 13:51*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*11/24/21 13:51*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*11/24/21 13:51*	*1*

Method: 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	**7.8**		0.20	0.10	ug/L		11/19/21 14:58	11/23/21 15:54	1

Client Sample ID: MW-3-111721
Lab Sample ID: 480-192614-8

Date Collected: 11/17/21 10:30
Matrix: Water
Date Received: 11/18/21 10:00

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	41		15 - 110	11/19/21 14:58	11/23/21 15:54	1

Client Sample ID: MW12-13-111721
Lab Sample ID: 480-192614-9

Date Collected: 11/17/21 11:10
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/26/21 11:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/26/21 11:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/26/21 11:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/26/21 11:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/26/21 11:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/26/21 11:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/26/21 11:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/26/21 11:52	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/26/21 11:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/26/21 11:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/26/21 11:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/26/21 11:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/26/21 11:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/26/21 11:52	1
2-Hexanone	ND		5.0	1.2	ug/L			11/26/21 11:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/26/21 11:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/26/21 11:52	1
Acetone	ND		10	3.0	ug/L			11/26/21 11:52	1
Benzene	ND		1.0	0.41	ug/L			11/26/21 11:52	1
Bromodichloromethane	ND	*+	1.0	0.39	ug/L			11/26/21 11:52	1
Bromoform	ND		1.0	0.26	ug/L			11/26/21 11:52	1
Bromomethane	ND		1.0	0.69	ug/L			11/26/21 11:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/26/21 11:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/26/21 11:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/26/21 11:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/26/21 11:52	1
Chloroethane	ND	*+	1.0	0.32	ug/L			11/26/21 11:52	1
Chloroform	ND		1.0	0.34	ug/L			11/26/21 11:52	1
Chloromethane	ND		1.0	0.35	ug/L			11/26/21 11:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/26/21 11:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/26/21 11:52	1
Cyclohexane	ND		1.0	0.18	ug/L			11/26/21 11:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/26/21 11:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/26/21 11:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/26/21 11:52	1
Methyl acetate	ND		2.5	1.3	ug/L			11/26/21 11:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/26/21 11:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/26/21 11:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/26/21 11:52	1
Styrene	ND		1.0	0.73	ug/L			11/26/21 11:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/26/21 11:52	1
Toluene	ND		1.0	0.51	ug/L			11/26/21 11:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/26/21 11:52	1

Client Sample ID: MW12-13-111721
Lab Sample ID: 480-192614-9
Date Collected: 11/17/21 11:10
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/26/21 11:52	1
Trichloroethene	ND		1.0	0.46	ug/L			11/26/21 11:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/26/21 11:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/26/21 11:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/26/21 11:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/26/21 11:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*11/26/21 11:52*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/26/21 11:52*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*11/26/21 11:52*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*11/26/21 11:52*	*1*

Method: 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	**8.8**		0.20	0.10	ug/L		11/19/21 14:58	11/23/21 16:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*43*		*15 - 110*	*11/19/21 14:58*	*11/23/21 16:18*	*1*

Client Sample ID: MW12-26-111721
Lab Sample ID: 480-192614-10
Date Collected: 11/17/21 11:40
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/21 14:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/21 14:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/21 14:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/21 14:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/21 14:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/21 14:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/21 14:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/21 14:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/21 14:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/21 14:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/21 14:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/21 14:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/21 14:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/21 14:35	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/21 14:35	1
2-Butanone (MEK)	**8.6**	**J**	10	1.3	ug/L			11/24/21 14:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/21 14:35	1
Acetone	**34**		10	3.0	ug/L			11/24/21 14:35	1
Benzene	**0.56**	**J**	1.0	0.41	ug/L			11/24/21 14:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/21 14:35	1
Bromoform	ND		1.0	0.26	ug/L			11/24/21 14:35	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/21 14:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/21 14:35	1

Client Sample ID: MW12-26-111721
Lab Sample ID: 480-192614-10
Date Collected: 11/17/21 11:40
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/21 14:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/21 14:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/21 14:35	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/21 14:35	1
Chloroform	ND		1.0	0.34	ug/L			11/24/21 14:35	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/21 14:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/21 14:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/21 14:35	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/21 14:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/21 14:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/21 14:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/21 14:35	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/21 14:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/21 14:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/21 14:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/21 14:35	1
Styrene	ND		1.0	0.73	ug/L			11/24/21 14:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/21 14:35	1
Toluene	ND		1.0	0.51	ug/L			11/24/21 14:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/21 14:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/21 14:35	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/21 14:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/21 14:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/21 14:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/21 14:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Propane	*18*	*T J N*	*ug/L*		*2.04*	*74-98-6*		*11/24/21 14:35*	*1*
Unknown	*7.6*	*T J*	*ug/L*		*2.27*			*11/24/21 14:35*	*1*
Unknown	*27*	*T J*	*ug/L*		*4.32*			*11/24/21 14:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*11/24/21 14:35*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/24/21 14:35*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/24/21 14:35*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*11/24/21 14:35*	*1*

Method: 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	ND		0.20	0.10	ug/L		11/19/21 14:58	11/24/21 12:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*47*		*15 - 110*	*11/19/21 14:58*	*11/24/21 12:25*	*1*

Client Sample ID: MW-2-111721
Lab Sample ID: 480-192614-11
Date Collected: 11/17/21 12:15
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**42**		5.0	4.1	ug/L			11/26/21 12:14	5

Client Sample ID: MW-2-111721
Lab Sample ID: 480-192614-11

Date Collected: 11/17/21 12:15
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			11/26/21 12:14	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			11/26/21 12:14	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			11/26/21 12:14	5
1,1-Dichloroethane	**210**		5.0	1.9	ug/L			11/26/21 12:14	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			11/26/21 12:14	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			11/26/21 12:14	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			11/26/21 12:14	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			11/26/21 12:14	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			11/26/21 12:14	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			11/26/21 12:14	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			11/26/21 12:14	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			11/26/21 12:14	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			11/26/21 12:14	5
2-Hexanone	ND		25	6.2	ug/L			11/26/21 12:14	5
2-Butanone (MEK)	ND		50	6.6	ug/L			11/26/21 12:14	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			11/26/21 12:14	5
Acetone	ND		50	15	ug/L			11/26/21 12:14	5
Benzene	ND		5.0	2.1	ug/L			11/26/21 12:14	5
Bromodichloromethane	ND	*+	5.0	2.0	ug/L			11/26/21 12:14	5
Bromoform	ND		5.0	1.3	ug/L			11/26/21 12:14	5
Bromomethane	ND		5.0	3.5	ug/L			11/26/21 12:14	5
Carbon disulfide	ND		5.0	0.95	ug/L			11/26/21 12:14	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			11/26/21 12:14	5
Chlorobenzene	ND		5.0	3.8	ug/L			11/26/21 12:14	5
Dibromochloromethane	ND		5.0	1.6	ug/L			11/26/21 12:14	5
Chloroethane	ND	*+	5.0	1.6	ug/L			11/26/21 12:14	5
Chloroform	ND		5.0	1.7	ug/L			11/26/21 12:14	5
Chloromethane	ND		5.0	1.8	ug/L			11/26/21 12:14	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			11/26/21 12:14	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			11/26/21 12:14	5
Cyclohexane	ND		5.0	0.90	ug/L			11/26/21 12:14	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			11/26/21 12:14	5
Ethylbenzene	ND		5.0	3.7	ug/L			11/26/21 12:14	5
Isopropylbenzene	ND		5.0	4.0	ug/L			11/26/21 12:14	5
Methyl acetate	ND		13	6.5	ug/L			11/26/21 12:14	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			11/26/21 12:14	5
Methylcyclohexane	ND		5.0	0.80	ug/L			11/26/21 12:14	5
Methylene Chloride	ND		5.0	2.2	ug/L			11/26/21 12:14	5
Styrene	ND		5.0	3.7	ug/L			11/26/21 12:14	5
Tetrachloroethene	ND		5.0	1.8	ug/L			11/26/21 12:14	5
Toluene	ND		5.0	2.6	ug/L			11/26/21 12:14	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			11/26/21 12:14	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			11/26/21 12:14	5
Trichloroethene	ND		5.0	2.3	ug/L			11/26/21 12:14	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			11/26/21 12:14	5
Vinyl chloride	ND		5.0	4.5	ug/L			11/26/21 12:14	5
Xylenes, Total	ND		10	3.3	ug/L			11/26/21 12:14	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/26/21 12:14*	*5*

Client Sample ID: MW-2-111721
Lab Sample ID: 480-192614-11

Date Collected: 11/17/21 12:15
Matrix: Water
Date Received: 11/18/21 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*11/26/21 12:14*	*5*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/26/21 12:14*	*5*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/26/21 12:14*	*5*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*11/26/21 12:14*	*5*

Method: 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	**31**	**E**	0.20	0.10	ug/L		11/19/21 14:58	11/24/21 12:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*39*		*15 - 110*	*11/19/21 14:58*	*11/24/21 12:49*	*1*

Client Sample ID: MW12-15-111721
Lab Sample ID: 480-192614-12

Date Collected: 11/17/21 12:45
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/24/21 15:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/24/21 15:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/24/21 15:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/24/21 15:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/24/21 15:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/24/21 15:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/24/21 15:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/24/21 15:19	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/24/21 15:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/24/21 15:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/24/21 15:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/24/21 15:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/24/21 15:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/24/21 15:19	1
2-Hexanone	ND		5.0	1.2	ug/L			11/24/21 15:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/24/21 15:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/24/21 15:19	1
Acetone	**13**		10	3.0	ug/L			11/24/21 15:19	1
Benzene	**0.45**	**J**	1.0	0.41	ug/L			11/24/21 15:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/24/21 15:19	1
Bromoform	ND		1.0	0.26	ug/L			11/24/21 15:19	1
Bromomethane	ND		1.0	0.69	ug/L			11/24/21 15:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/24/21 15:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/24/21 15:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/24/21 15:19	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/24/21 15:19	1
Chloroethane	ND		1.0	0.32	ug/L			11/24/21 15:19	1
Chloroform	ND		1.0	0.34	ug/L			11/24/21 15:19	1
Chloromethane	ND		1.0	0.35	ug/L			11/24/21 15:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/24/21 15:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/24/21 15:19	1
Cyclohexane	ND		1.0	0.18	ug/L			11/24/21 15:19	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/24/21 15:19	1

Client Sample ID: MW12-15-111721
Lab Sample ID: 480-192614-12
Date Collected: 11/17/21 12:45
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			11/24/21 15:19	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/24/21 15:19	1
Methyl acetate	ND		2.5	1.3	ug/L			11/24/21 15:19	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/24/21 15:19	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/24/21 15:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/24/21 15:19	1
Styrene	ND		1.0	0.73	ug/L			11/24/21 15:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/24/21 15:19	1
Toluene	ND		1.0	0.51	ug/L			11/24/21 15:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/24/21 15:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/24/21 15:19	1
Trichloroethene	ND		1.0	0.46	ug/L			11/24/21 15:19	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/24/21 15:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/24/21 15:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/24/21 15:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Propane	*17*	*T J N*	*ug/L*		*2.04*	*74-98-6*		*11/24/21 15:19*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*2.27*			*11/24/21 15:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*11/24/21 15:19*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*11/24/21 15:19*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*11/24/21 15:19*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*11/24/21 15:19*	*1*

Method: 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	ND		0.20	0.10	ug/L		11/19/21 14:58	11/24/21 13:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*41*		*15 - 110*	*11/19/21 14:58*	*11/24/21 13:12*	*1*

Client Sample ID: X-1-111621
Lab Sample ID: 480-192614-13
Date Collected: 11/16/21 00:00
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**810**	**E**	5.0	4.1	ug/L			11/24/21 15:41	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			11/24/21 15:41	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			11/24/21 15:41	5
1,1,2-Trichloro-1,2,2-trifluoroethane	**100**		5.0	1.6	ug/L			11/24/21 15:41	5
1,1-Dichloroethane	**920**	**E**	5.0	1.9	ug/L			11/24/21 15:41	5
1,1-Dichloroethene	**22**		5.0	1.5	ug/L			11/24/21 15:41	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			11/24/21 15:41	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			11/24/21 15:41	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			11/24/21 15:41	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			11/24/21 15:41	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			11/24/21 15:41	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			11/24/21 15:41	5

Client Sample ID: X-1-111621
Lab Sample ID: 480-192614-13

Date Collected: 11/16/21 00:00
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			11/24/21 15:41	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			11/24/21 15:41	5
2-Hexanone	ND		25	6.2	ug/L			11/24/21 15:41	5
2-Butanone (MEK)	ND		50	6.6	ug/L			11/24/21 15:41	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			11/24/21 15:41	5
Acetone	ND		50	15	ug/L			11/24/21 15:41	5
Benzene	ND		5.0	2.1	ug/L			11/24/21 15:41	5
Bromodichloromethane	ND		5.0	2.0	ug/L			11/24/21 15:41	5
Bromoform	ND		5.0	1.3	ug/L			11/24/21 15:41	5
Bromomethane	ND		5.0	3.5	ug/L			11/24/21 15:41	5
Carbon disulfide	ND		5.0	0.95	ug/L			11/24/21 15:41	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			11/24/21 15:41	5
Chlorobenzene	ND		5.0	3.8	ug/L			11/24/21 15:41	5
Dibromochloromethane	ND		5.0	1.6	ug/L			11/24/21 15:41	5
Chloroethane	ND		5.0	1.6	ug/L			11/24/21 15:41	5
Chloroform	ND		5.0	1.7	ug/L			11/24/21 15:41	5
Chloromethane	ND		5.0	1.8	ug/L			11/24/21 15:41	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			11/24/21 15:41	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			11/24/21 15:41	5
Cyclohexane	ND		5.0	0.90	ug/L			11/24/21 15:41	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			11/24/21 15:41	5
Ethylbenzene	ND		5.0	3.7	ug/L			11/24/21 15:41	5
Isopropylbenzene	ND		5.0	4.0	ug/L			11/24/21 15:41	5
Methyl acetate	ND		13	6.5	ug/L			11/24/21 15:41	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			11/24/21 15:41	5
Methylcyclohexane	ND		5.0	0.80	ug/L			11/24/21 15:41	5
Methylene Chloride	ND		5.0	2.2	ug/L			11/24/21 15:41	5
Styrene	ND		5.0	3.7	ug/L			11/24/21 15:41	5
Tetrachloroethene	ND		5.0	1.8	ug/L			11/24/21 15:41	5
Toluene	ND		5.0	2.6	ug/L			11/24/21 15:41	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			11/24/21 15:41	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			11/24/21 15:41	5
Trichloroethene	ND		5.0	2.3	ug/L			11/24/21 15:41	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			11/24/21 15:41	5
Vinyl chloride	ND		5.0	4.5	ug/L			11/24/21 15:41	5
Xylenes, Total	ND		10	3.3	ug/L			11/24/21 15:41	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Ethane, 1,2-dichloro-1,1,2-trifluoro-	*28*	*T J N*	*ug/L*		*3.52*	*354-23-4*		*11/24/21 15:41*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*11/24/21 15:41*	*5*
Toluene-d8 (Surr)	*94*		*80 - 120*		*11/24/21 15:41*	*5*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*11/24/21 15:41*	*5*
Dibromofluoromethane (Surr)	*116*		*75 - 123*		*11/24/21 15:41*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**830**		20	16	ug/L			11/26/21 12:35	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			11/26/21 12:35	20

Client Sample ID: X-1-111621
Lab Sample ID: 480-192614-13

Date Collected: 11/16/21 00:00
Matrix: Water
Date Received: 11/18/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		20	4.6	ug/L			11/26/21 12:35	20
1,1,2-Trichloro-1,2,2-trifluoroethane	**120**		20	6.2	ug/L			11/26/21 12:35	20
1,1-Dichloroethane	**970**		20	7.6	ug/L			11/26/21 12:35	20
1,1-Dichloroethene	**24**		20	5.8	ug/L			11/26/21 12:35	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			11/26/21 12:35	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			11/26/21 12:35	20
1,2-Dibromoethane	ND		20	15	ug/L			11/26/21 12:35	20
1,2-Dichlorobenzene	ND		20	16	ug/L			11/26/21 12:35	20
1,2-Dichloroethane	ND		20	4.2	ug/L			11/26/21 12:35	20
1,2-Dichloropropane	ND		20	14	ug/L			11/26/21 12:35	20
1,3-Dichlorobenzene	ND		20	16	ug/L			11/26/21 12:35	20
1,4-Dichlorobenzene	ND		20	17	ug/L			11/26/21 12:35	20
2-Hexanone	ND		100	25	ug/L			11/26/21 12:35	20
2-Butanone (MEK)	ND		200	26	ug/L			11/26/21 12:35	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			11/26/21 12:35	20
Acetone	ND		200	60	ug/L			11/26/21 12:35	20
Benzene	ND		20	8.2	ug/L			11/26/21 12:35	20
Bromodichloromethane	ND	*+	20	7.8	ug/L			11/26/21 12:35	20
Bromoform	ND		20	5.2	ug/L			11/26/21 12:35	20
Bromomethane	ND		20	14	ug/L			11/26/21 12:35	20
Carbon disulfide	ND		20	3.8	ug/L			11/26/21 12:35	20
Carbon tetrachloride	ND		20	5.4	ug/L			11/26/21 12:35	20
Chlorobenzene	ND		20	15	ug/L			11/26/21 12:35	20
Dibromochloromethane	ND		20	6.4	ug/L			11/26/21 12:35	20
Chloroethane	ND	*+	20	6.4	ug/L			11/26/21 12:35	20
Chloroform	ND		20	6.8	ug/L			11/26/21 12:35	20
Chloromethane	ND		20	7.0	ug/L			11/26/21 12:35	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			11/26/21 12:35	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			11/26/21 12:35	20
Cyclohexane	ND		20	3.6	ug/L			11/26/21 12:35	20
Dichlorodifluoromethane	ND		20	14	ug/L			11/26/21 12:35	20
Ethylbenzene	ND		20	15	ug/L			11/26/21 12:35	20
Isopropylbenzene	ND		20	16	ug/L			11/26/21 12:35	20
Methyl acetate	ND		50	26	ug/L			11/26/21 12:35	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			11/26/21 12:35	20
Methylcyclohexane	ND		20	3.2	ug/L			11/26/21 12:35	20
Methylene Chloride	ND		20	8.8	ug/L			11/26/21 12:35	20
Styrene	ND		20	15	ug/L			11/26/21 12:35	20
Tetrachloroethene	ND		20	7.2	ug/L			11/26/21 12:35	20
Toluene	ND		20	10	ug/L			11/26/21 12:35	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			11/26/21 12:35	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			11/26/21 12:35	20
Trichloroethene	ND		20	9.2	ug/L			11/26/21 12:35	20
Trichlorofluoromethane	ND		20	18	ug/L			11/26/21 12:35	20
Vinyl chloride	ND		20	18	ug/L			11/26/21 12:35	20
Xylenes, Total	ND		40	13	ug/L			11/26/21 12:35	20

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/26/21 12:35*	*20*

Client Sample ID: X-1-111621
Lab Sample ID: 480-192614-13

Date Collected: 11/16/21 00:00
Matrix: Water

Date Received: 11/18/21 10:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*11/26/21 12:35*	*20*
Toluene-d8 (Surr)	*101*		*80 - 120*		*11/26/21 12:35*	*20*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*11/26/21 12:35*	*20*
Dibromofluoromethane (Surr)	*114*		*75 - 123*		*11/26/21 12:35*	*20*

Method: 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	**73**		1.0	0.50	ug/L		11/19/21 14:58	11/26/21 15:49	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*38*		*15 - 110*	*11/19/21 14:58*	*11/26/21 15:49*	*5*

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192614-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L15782.D

Lab ID: LCS 480-606618/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	26.8	107	73-126	
1,1,2,2-Tetrachloroethane	25.0	24.6	99	76-120	
1,1,2-Trichloroethane	25.0	26.1	105	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.1	96	61-148	
1,1-Dichloroethane	25.0	28.5	114	77-120	
1,1-Dichloroethene	25.0	24.3	97	66-127	
1,2,4-Trichlorobenzene	25.0	21.6	86	79-122	
1,2-Dibromo-3-Chloropropane	25.0	18.8	75	56-134	
1,2-Dibromoethane	25.0	25.7	103	77-120	
1,2-Dichlorobenzene	25.0	23.6	95	80-124	
1,2-Dichloroethane	25.0	27.0	108	75-120	
1,2-Dichloropropane	25.0	29.7	119	76-120	
1,3-Dichlorobenzene	25.0	24.1	97	77-120	
1,4-Dichlorobenzene	25.0	24.0	96	80-120	
2-Hexanone	125	129	103	65-127	
2-Butanone (MEK)	125	127	102	57-140	
4-Methyl-2-pentanone (MIBK)	125	123	98	71-125	
Acetone	125	130	104	56-142	
Benzene	25.0	28.5	114	71-124	
Bromodichloromethane	25.0	30.6	123	80-122	*+
Bromoform	25.0	27.5	110	61-132	
Bromomethane	25.0	22.7	91	55-144	
Carbon disulfide	25.0	29.6	118	59-134	
Carbon tetrachloride	25.0	27.2	109	72-134	
Chlorobenzene	25.0	25.4	101	80-120	
Dibromochloromethane	25.0	30.6	123	75-125	
Chloroethane	25.0	34.3	137	69-136	*+
Chloroform	25.0	26.6	106	73-127	
Chloromethane	25.0	27.3	109	68-124	
cis-1,2-Dichloroethene	25.0	26.8	107	74-124	
cis-1,3-Dichloropropene	25.0	26.4	106	74-124	
Cyclohexane	25.0	24.7	99	59-135	
Dichlorodifluoromethane	25.0	26.3	105	59-135	
Ethylbenzene	25.0	25.9	104	77-123	
Isopropylbenzene	25.0	24.5	98	77-122	
Methyl acetate	50.0	48.4	97	74-133	
Methyl tert-butyl ether	25.0	27.8	111	77-120	
Methylcyclohexane	25.0	23.5	94	68-134	
Methylene Chloride	25.0	26.7	107	75-124	
Styrene	25.0	25.2	101	80-120	
Tetrachloroethene	25.0	25.1	100	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192614-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L15808.D

Lab ID: 480-192614-3 MS Client ID: MW12-24-111621 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	500	680	1160	96	73-126	
1,1,2,2-Tetrachloroethane	500	ND	512	102	76-120	
1,1,2-Trichloroethane	500	ND	549	110	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	9.3 J	585	115	61-148	
1,1-Dichloroethane	500	250	835	118	77-120	
1,1-Dichloroethene	500	11 J	524	103	66-127	
1,2,4-Trichlorobenzene	500	ND	410	82	79-122	
1,2-Dibromo-3-Chloropropane	500	ND	377	75	56-134	
1,2-Dibromoethane	500	ND	521	104	77-120	
1,2-Dichlorobenzene	500	ND	474	95	80-124	
1,2-Dichloroethane	500	ND	560	112	75-120	
1,2-Dichloropropane	500	ND	618	124	76-120	F1
1,3-Dichlorobenzene	500	ND	489	98	77-120	
1,4-Dichlorobenzene	500	ND	483	97	78-124	
2-Hexanone	2500	ND	2820	113	65-127	
2-Butanone (MEK)	2500	ND	2580	103	57-140	
4-Methyl-2-pentanone (MIBK)	2500	ND	2710	109	71-125	
Acetone	2500	ND	2340	94	56-142	
Benzene	500	ND	604	121	71-124	
Bromodichloromethane	500	ND	611	122	80-122	
Bromoform	500	ND	515	103	61-132	
Bromomethane	500	ND	546	109	55-144	
Carbon disulfide	500	ND	578	116	59-134	
Carbon tetrachloride	500	ND	594	119	72-134	
Chlorobenzene	500	ND	535	107	80-120	
Dibromochloromethane	500	ND	596	119	75-125	
Chloroethane	500	ND	707	141	69-136	F1
Chloroform	500	ND	558	112	73-127	
Chloromethane	500	ND	619	124	68-124	
cis-1,2-Dichloroethene	500	ND	551	110	74-124	
cis-1,3-Dichloropropene	500	ND	495	99	74-124	
Cyclohexane	500	ND	587	117	59-135	
Dichlorodifluoromethane	500	ND	624	125	59-135	
Ethylbenzene	500	ND	558	112	77-123	
Isopropylbenzene	500	ND	494	99	77-122	
Methyl acetate	1000	ND	1030	103	74-133	
Methyl tert-butyl ether	500	ND	533	107	77-120	
Methylcyclohexane	500	ND	534	107	68-134	
Methylene Chloride	500	ND	547	109	75-124	
Styrene	500	ND	533	107	80-120	
Tetrachloroethene	500	ND	529	106	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192614-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L15742.D

Lab ID: 480-192614-6 MS Client ID: MW12-03-111721 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	ND	34.2	137	73-126	F1
1,1,2,2-Tetrachloroethane	25.0	ND	27.8	111	76-120	
1,1,2-Trichloroethane	25.0	ND	30.1	120	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	ND	32.8	131	61-148	
1,1-Dichloroethane	25.0	ND	36.1	144	77-120	F1
1,1-Dichloroethene	25.0	ND	31.7	127	66-127	
1,2,4-Trichlorobenzene	25.0	ND	22.2	89	79-122	
1,2-Dibromo-3-Chloropropane	25.0	ND	20.7	83	56-134	
1,2-Dibromoethane	25.0	ND	28.8	115	77-120	
1,2-Dichlorobenzene	25.0	ND	26.5	106	80-124	
1,2-Dichloroethane	25.0	ND	32.0	128	75-120	F1
1,2-Dichloropropane	25.0	ND	35.6	142	76-120	F1
1,3-Dichlorobenzene	25.0	ND	27.0	108	77-120	
1,4-Dichlorobenzene	25.0	ND	26.6	107	78-124	
2-Hexanone	125	ND	152	121	65-127	
2-Butanone (MEK)	125	ND	143	115	57-140	
4-Methyl-2-pentanone (MIBK)	125	ND	147	117	71-125	
Acetone	125	ND	129	104	56-142	
Benzene	25.0	ND	35.6	142	71-124	F1
Bromodichloromethane	25.0	ND	35.6	142	80-122	F1
Bromoform	25.0	ND	29.7	119	61-132	
Bromomethane	25.0	ND	34.2	137	55-144	
Carbon disulfide	25.0	ND	36.5	146	59-134	F1
Carbon tetrachloride	25.0	ND	35.6	142	72-134	F1
Chlorobenzene	25.0	ND	30.2	121	80-120	F1
Dibromochloromethane	25.0	ND	34.2	137	75-125	F1
Chloroethane	25.0	ND	41.6	166	69-136	F1
Chloroform	25.0	ND	32.2	129	73-127	F1
Chloromethane	25.0	ND	36.2	145	68-124	F1
cis-1,2-Dichloroethene	25.0	ND	32.5	130	74-124	F1
cis-1,3-Dichloropropene	25.0	ND	28.1	112	74-124	
Cyclohexane	25.0	ND	33.8	135	59-135	
Dichlorodifluoromethane	25.0	ND	33.1	132	59-135	
Ethylbenzene	25.0	ND	31.9	128	77-123	F1
Isopropylbenzene	25.0	ND	28.6	114	77-122	
Methyl acetate	50.0	ND	55.6	111	74-133	
Methyl tert-butyl ether	25.0	ND	30.5	122	77-120	F1
Methylcyclohexane	25.0	ND	31.1	124	68-134	
Methylene Chloride	25.0	ND	31.8	127	75-124	F1
Styrene	25.0	ND	26.5	106	80-120	
Tetrachloroethene	25.0	ND	30.9	123	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 TestAmerica, Buffalo Job No.: 480-192614-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L15742.D

Lab ID: 480-192614-6 MS Client ID: MW12-03-111721 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Toluene	25.0	ND	31.6	126	80-122	F1
trans-1,2-Dichloroethene	25.0	ND	34.1	136	73-127	F1
trans-1,3-Dichloropropene	25.0	ND	27.8	111	80-120	
Trichloroethene	25.0	ND	32.1	128	74-123	F1
Trichlorofluoromethane	25.0	ND	37.1	148	62-150	
Vinyl chloride	25.0	ND	37.2	149	65-133	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 TestAmerica, Buffalo Job No.: 480-192614-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L15809.D

Lab ID: 480-192614-3 MSD Client ID: MW12-24-111621 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	500	1120	88	4	15	73-126	
1,1,2,2-Tetrachloroethane	500	530	106	3	15	76-120	
1,1,2-Trichloroethane	500	538	108	2	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	500	555	109	5	20	61-148	
1,1-Dichloroethane	500	809	112	3	20	77-120	
1,1-Dichloroethene	500	520	102	1	16	66-127	
1,2,4-Trichlorobenzene	500	421	84	3	20	79-122	
1,2-Dibromo-3-Chloropropane	500	401	80	6	15	56-134	
1,2-Dibromoethane	500	527	105	1	15	77-120	
1,2-Dichlorobenzene	500	472	94	0	20	80-124	
1,2-Dichloroethane	500	553	111	1	20	75-120	
1,2-Dichloropropane	500	607	121	2	20	76-120	F1
1,3-Dichlorobenzene	500	487	97	0	20	77-120	
1,4-Dichlorobenzene	500	481	96	0	20	78-124	
2-Hexanone	2500	2830	113	0	15	65-127	
2-Butanone (MEK)	2500	2610	104	1	20	57-140	
4-Methyl-2-pentanone (MIBK)	2500	2710	108	0	35	71-125	
Acetone	2500	2350	94	0	15	56-142	
Benzene	500	589	118	3	13	71-124	
Bromodichloromethane	500	607	121	1	15	80-122	
Bromoform	500	516	103	0	15	61-132	
Bromomethane	500	513	103	6	15	55-144	
Carbon disulfide	500	589	118	2	15	59-134	
Carbon tetrachloride	500	576	115	3	15	72-134	
Chlorobenzene	500	518	104	3	25	80-120	
Dibromochloromethane	500	604	121	1	15	75-125	
Chloroethane	500	630	126	12	15	69-136	
Chloroform	500	545	109	2	20	73-127	
Chloromethane	500	579	116	7	15	68-124	
cis-1,2-Dichloroethene	500	541	108	2	15	74-124	
cis-1,3-Dichloropropene	500	501	100	1	15	74-124	
Cyclohexane	500	560	112	5	20	59-135	
Dichlorodifluoromethane	500	609	122	2	20	59-135	
Ethylbenzene	500	536	107	4	15	77-123	
Isopropylbenzene	500	497	99	1	20	77-122	
Methyl acetate	1000	1060	106	3	20	74-133	
Methyl tert-butyl ether	500	544	109	2	37	77-120	
Methylcyclohexane	500	515	103	4	20	68-134	
Methylene Chloride	500	546	109	0	15	75-124	
Styrene	500	516	103	3	20	80-120	
Tetrachloroethene	500	511	102	3	20	74-122	

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 TestAmerica, Buffalo Job No.: 480-192614-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L15743.D

Lab ID: 480-192614-6 MSD Client ID: MW12-03-111721 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	36.6	146	7	15	73-126	F1
1,1,2,2-Tetrachloroethane	25.0	31.4	126	12	15	76-120	F1
1,1,2-Trichloroethane	25.0	31.4	126	4	15	76-122	F1
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	34.7	139	6	20	61-148	
1,1-Dichloroethane	25.0	37.4	150	4	20	77-120	F1
1,1-Dichloroethene	25.0	34.7	139	9	16	66-127	F1
1,2,4-Trichlorobenzene	25.0	27.1	108	20	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	23.8	95	14	15	56-134	
1,2-Dibromoethane	25.0	30.7	123	6	15	77-120	F1
1,2-Dichlorobenzene	25.0	30.2	121	13	20	80-124	
1,2-Dichloroethane	25.0	32.4	130	1	20	75-120	F1
1,2-Dichloropropane	25.0	35.7	143	0	20	76-120	F1
1,3-Dichlorobenzene	25.0	30.7	123	13	20	77-120	F1
1,4-Dichlorobenzene	25.0	29.8	119	11	20	78-124	
2-Hexanone	125	153	123	1	15	65-127	
2-Butanone (MEK)	125	144	115	0	20	57-140	
4-Methyl-2-pentanone (MIBK)	125	154	123	5	35	71-125	
Acetone	125	136	109	5	15	56-142	
Benzene	25.0	36.5	146	2	13	71-124	F1
Bromodichloromethane	25.0	36.7	147	3	15	80-122	F1
Bromoform	25.0	31.7	127	6	15	61-132	
Bromomethane	25.0	31.7	127	8	15	55-144	
Carbon disulfide	25.0	42.1	168	14	15	59-134	F1
Carbon tetrachloride	25.0	38.0	152	7	15	72-134	F1
Chlorobenzene	25.0	32.1	128	6	25	80-120	F1
Dibromochloromethane	25.0	36.7	147	7	15	75-125	F1
Chloroethane	25.0	32.9	132	23	15	69-136	F2
Chloroform	25.0	33.9	136	5	20	73-127	F1
Chloromethane	25.0	36.5	146	1	15	68-124	F1
cis-1,2-Dichloroethene	25.0	34.3	137	5	15	74-124	F1
cis-1,3-Dichloropropene	25.0	29.2	117	4	15	74-124	
Cyclohexane	25.0	35.6	142	5	20	59-135	F1
Dichlorodifluoromethane	25.0	36.2	145	9	20	59-135	F1
Ethylbenzene	25.0	33.9	135	6	15	77-123	F1
Isopropylbenzene	25.0	33.8	135	17	20	77-122	F1
Methyl acetate	50.0	56.0	112	1	20	74-133	
Methyl tert-butyl ether	25.0	33.1	132	8	37	77-120	F1
Methylcyclohexane	25.0	33.3	133	7	20	68-134	
Methylene Chloride	25.0	34.0	136	7	15	75-124	F1
Styrene	25.0	28.1	112	6	20	80-120	
Tetrachloroethene	25.0	33.1	133	7	20	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 TestAmerica, Buffalo Job No.: 480-192614-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L15743.D

Lab ID: 480-192614-6 MSD Client ID: MW12-03-111721 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	25.0	33.6	134	6	15	80-122	F1
trans-1,2-Dichloroethene	25.0	36.3	145	6	20	73-127	F1
trans-1,3-Dichloropropene	25.0	29.3	117	5	15	80-120	
Trichloroethene	25.0	34.1	137	6	16	74-123	F1
Trichlorofluoromethane	25.0	38.6	154	4	20	62-150	F1
Vinyl chloride	25.0	35.8	143	4	15	65-133	F1

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192614-1 Analy Batch No.: 604142

SDG No.:

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2021 18:01 Calibration End Date: 11/09/2021 20:34 Calibration ID: 42693

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	1.8132 2.0178	2.0753 2.1760	1.8769 2.3026	2.1184	2.1724	Ave		2.0691				7.8		20.0			
Carbon disulfide	+++++ 2.2035	1.5942 2.8817	1.4166 +++++	1.7657	2.0933	Ave		1.9925			0.1000	26.4	*	20.0			
Allyl chloride	1.5644 1.5263	1.7264 1.6382	1.4623 1.7248	1.6014	1.6251	Ave		1.6086				5.7		20.0			
Methyl acetate	1.4765 1.1387	1.3146 1.1819	1.1837 1.1789	1.1760	1.1635	Ave		1.2267			0.1000	9.3		20.0			
Methylene Chloride	1.5077 1.3271	1.4959 1.3852	1.3054 1.4676	1.4238	1.4235	Lin1	-0.012	1.4238			0.1000	6.1			0.9990		0.9900
2-Methyl-2-propanol	0.1988 0.2345	0.2091 0.2443	0.2130 0.2354	0.2278	0.2261	Ave		0.2236				6.9		20.0			
Methyl tert-butyl ether	3.6269 3.9341	3.8182 4.0530	3.5340 4.2564	4.0104	4.0703	Ave		3.9129			0.1000	6.2		20.0			
trans-1,2-Dichloroethene	1.1338 1.3365	1.3209 1.4580	1.2221 1.5385	1.3719	1.4286	Ave		1.3513			0.1000	9.6		20.0			
Acrylonitrile	0.5359 0.6034	0.5909 0.6226	0.5537 0.6158	0.6064	0.6058	Ave		0.5918				5.2		20.0			
Hexane	+++++ 1.5431	1.6541 1.7337	1.2470 1.7574	1.4650	1.6220	Ave		1.5746				11.2		20.0			
1,1-Dichloroethane	1.9408 2.1752	2.1449 2.3008	1.9759 2.4157	2.2226	2.2719	Ave		2.1810			0.2000	7.4		20.0			
Vinyl acetate	2.5624 2.8284	2.6320 2.9209	2.4539 2.9061	2.6571	2.7200	Ave		2.7101				6.1		20.0			
2,2-Dichloropropane	+++++ 1.3330	1.3536 1.4546	1.1340 1.5828	1.3838	1.4718	Ave		1.3876				10.1		20.0			
cis-1,2-Dichloroethene	1.3581 1.5112	1.7435 1.6079	1.4182 1.7148	1.5475	1.5898	Ave		1.5614			0.1000	8.5		20.0			
2-Butanone (MEK)	0.9294 0.8430	0.9460 0.8726	0.8222 0.8274	0.8381	0.8006	Ave		0.8599			0.1000	6.1		20.0			
Chlorobromomethane	0.6984 0.8078	0.7827 0.8440	0.7213 0.8907	0.8074	0.8380	Ave		0.7988				8.0		20.0			
Tetrahydrofuran	0.5134 0.5313	0.5613 0.5416	0.5109 0.5253	0.5358	0.5196	Ave		0.5299				3.1		20.0			
Chloroform	2.7620 2.3909	2.6166 2.4720	2.2974 2.5586	2.5231	2.5250	Ave		2.5182			0.2000	5.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192614-1 Analy Batch No.: 604142

SDG No.:

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2021 18:01 Calibration End Date: 11/09/2021 20:34 Calibration ID: 42693

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl methacrylate	0.5409 0.4880	0.5158 0.5075	0.4434 0.4970	0.4864	0.4653	Ave		0.4930				6.1		20.0			
trans-1,3-Dichloropropene	0.3396 0.4881	0.3863 0.5248	0.3656 +++++	0.4336	0.4423	Lin1	-0.1277	0.5051			0.1000	16.5			0.9960		0.9900
1,1,2-Trichloroethane	0.2575 0.2546	0.2690 0.2609	0.2471 0.2598	0.2700	0.2543	Ave		0.2591			0.1000	3.0		20.0			
Tetrachloroethene	0.2821 0.3642	0.3712 0.3941	0.3218 0.3977	0.3815	0.3884	Ave		0.3626			0.2000	11.2		20.0			
1,3-Dichloropropane	0.4538 0.5338	0.5378 0.5535	0.4904 0.5504	0.5430	0.5189	Ave		0.5227				6.6		20.0			
2-Hexanone	0.2737 0.2907	0.2938 0.2919	0.2753 0.2601	0.2989	0.2715	Ave		0.2820			0.1000	4.8		20.0			
Dibromochloromethane	0.1397 0.2787	0.1878 0.3207	0.1950 +++++	0.2306	0.2441	Ave		0.2281			0.1000	26.5	*	20.0			
1,2-Dibromoethane	0.2773 0.3392	0.3216 0.3507	0.2999 0.3451	0.3365	0.3288	Ave		0.3249				7.7		20.0			
Chlorobenzene	0.9012 0.9451	0.9933 0.9825	0.8951 0.9899	0.9981	0.9656	Ave		0.9588			0.5000	4.3		20.0			
Ethylbenzene	1.3920 1.5421	1.5789 1.6295	1.3794 1.6212	1.5894	1.5908	Ave		1.5404			0.1000	6.4		20.0			
1,1,1,2-Tetrachloroethane	0.2413 0.3323	0.2650 0.3550	0.2599 0.3761	0.3165	0.3331	Ave		0.3099				15.8		20.0			
m,p-Xylene	0.5268 0.6172	0.6088 0.6447	0.5456 0.6451	0.6368	0.6315	Ave		0.6070			0.1000	7.5		20.0			
o-Xylene	0.5646 0.6188	0.5942 0.6502	0.5562 0.6730	0.6348	0.6461	Ave		0.6172			0.3000	6.8		20.0			
Styrene	0.8914 1.0468	0.9852 1.1072	0.9138 1.1144	1.0526	1.0279	Ave		1.0174			0.3000	8.1		20.0			
Bromoform	+++++ 0.1838	0.1155 0.2218	0.1168 +++++	0.1423	0.1534	Ave		0.1556			0.1000	26.5	*	20.0			
Isopropylbenzene	2.3521 2.7164	2.6903 3.0856	2.3978 3.0815	3.0246	2.8861	Ave		2.7793			0.1000	10.5		20.0			
1,1,2,2-Tetrachloroethane	0.7842 0.8326	0.7890 0.9100	0.7416 0.8916	0.9003	0.8291	Ave		0.8348			0.3000	7.4		20.0			
Bromobenzene	0.6964 0.7111	0.7109 0.7861	0.6706 0.7937	0.8197	0.7262	Ave		0.7394				7.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192614-1

SDG No.:

Lab Sample ID: ICV 480-604142/26 Calibration Date: 11/10/2021 01:42

Instrument ID: HP5977L Calib Start Date: 11/09/2021 18:01

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 11/09/2021 20:34

Lab File ID: L14956.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	Ave	2.201	1.997	0.1000	22.7	25.0	-9.3	30.0
1,2-Dichloropropane	Ave	1.136	1.114	0.1000	24.5	25.0	-1.9	30.0
1,4-Dioxane	Lin1		0.0041		481	500	-3.8	50.0
Dibromomethane	Ave	0.9001	0.8880	0.1000	24.7	25.0	-1.3	30.0
Bromodichloromethane	Ave	1.408	1.528	0.2000	27.1	25.0	8.5	30.0
2-Chloroethyl vinyl ether	Ave	0.8350	0.8415		25.2	25.0	0.8	30.0
cis-1,3-Dichloropropene	Lin1		1.944	0.2000	23.3	25.0	-6.9	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3977	0.3719	0.1000	117	125	-6.5	30.0
Toluene	Ave	0.8355	0.8013	0.4000	24.0	25.0	-4.1	30.0
Ethyl methacrylate	Ave	0.4930	0.4584		23.2	25.0	-7.0	30.0
trans-1,3-Dichloropropene	Lin1		0.4584	0.1000	22.9	25.0	-8.2	30.0
1,1,2-Trichloroethane	Ave	0.2591	0.2424	0.1000	23.4	25.0	-6.4	30.0
Tetrachloroethene	Ave	0.3626	0.3517	0.2000	24.2	25.0	-3.0	30.0
1,3-Dichloropropane	Ave	0.5227	0.5048		24.1	25.0	-3.4	30.0
2-Hexanone	Ave	0.2820	0.2674	0.1000	119	125	-5.2	30.0
Dibromochloromethane	Ave	0.2281	0.2796	0.1000	30.6	25.0	22.6	30.0
1,2-Dibromoethane	Ave	0.3249	0.3206		24.7	25.0	-1.3	30.0
Chlorobenzene	Ave	0.9588	0.9070	0.5000	23.6	25.0	-5.4	30.0
Ethylbenzene	Ave	1.540	1.482	0.1000	24.1	25.0	-3.8	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3099	0.3205		25.9	25.0	3.4	30.0
m,p-Xylene	Ave	0.6070	0.5929	0.1000	24.4	25.0	-2.3	30.0
o-Xylene	Ave	0.6172	0.5913	0.3000	24.0	25.0	-4.2	30.0
Styrene	Ave	1.017	1.004	0.3000	24.7	25.0	-1.3	30.0
Bromoform	Ave	0.1556	0.1874	0.1000	30.1	25.0	20.4	50.0
Isopropylbenzene	Ave	2.779	2.716	0.1000	24.4	25.0	-2.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8348	0.8073	0.3000	24.2	25.0	-3.3	30.0
Bromobenzene	Ave	0.7394	0.7139		24.1	25.0	-3.4	30.0
N-Propylbenzene	Ave	3.220	3.132		24.3	25.0	-2.7	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2120	0.2133		25.1	25.0	0.6	50.0
1,2,3-Trichloropropane	Ave	0.2909	0.2794		24.0	25.0	-4.0	30.0
2-Chlorotoluene	Ave	0.6951	0.6745		24.3	25.0	-3.0	30.0
1,3,5-Trimethylbenzene	Ave	2.375	2.324		24.5	25.0	-2.1	30.0
4-Chlorotoluene	Ave	2.012	1.913		23.8	25.0	-4.9	30.0
tert-Butylbenzene	Ave	0.5399	0.5234		24.2	25.0	-3.1	30.0
1,2,4-Trimethylbenzene	Ave	2.450	2.369		24.2	25.0	-3.3	30.0
sec-Butylbenzene	Ave	3.036	2.903		23.9	25.0	-4.4	30.0
4-Isopropyltoluene	Ave	2.636	2.594		24.6	25.0	-1.6	30.0
1,3-Dichlorobenzene	Ave	1.456	1.374	0.6000	23.6	25.0	-5.6	30.0
1,4-Dichlorobenzene	Ave	1.500	1.396	0.5000	23.3	25.0	-6.9	30.0
n-Butylbenzene	Ave	2.367	2.242		23.7	25.0	-5.3	30.0
1,2-Dichlorobenzene	Ave	1.442	1.338	0.4000	23.2	25.0	-7.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192614-1

SDG No.:

Lab Sample ID: CCVIS 480-606618/3 Calibration Date: 11/26/2021 09:27

Instrument ID: HP5977L Calib Start Date: 11/09/2021 18:01

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 11/09/2021 20:34

Lab File ID: L15780.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
Dichlorodifluoromethane	Ave	1.095	1.240	0.1000	28.3	25.0	13.2	50.0
Chloromethane	Ave	1.333	1.637	0.1000	30.7	25.0	22.8*	20.0
Vinyl chloride	Ave	1.413	1.698	0.1000	30.0	25.0	20.2*	20.0
Butadiene	Ave	1.279	1.485		29.0	25.0	16.1	20.0
Bromomethane	Ave	0.7466	0.6972	0.1000	23.3	25.0	-6.6	50.0
Chloroethane	Ave	0.5594	0.6370	0.1000	28.5	25.0	13.9	50.0
Dichlorofluoromethane	Ave	2.385	2.954		31.0	25.0	23.8*	20.0
Trichlorofluoromethane	Ave	2.124	2.482	0.1000	29.2	25.0	16.8	20.0
Ethyl ether	Ave	1.173	1.349		28.8	25.0	15.0	20.0
Acrolein	Ave	0.0612	0.0464		94.7	125	-24.2	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.103	1.153	0.1000	26.2	25.0	4.6	20.0
1,1-Dichloroethene	Ave	1.123	1.155	0.1000	25.7	25.0	2.8	20.0
Acetone	Ave	0.5774	0.6416	0.1000	139	125	11.1	50.0
Iodomethane	Ave	2.069	2.038		24.6	25.0	-1.5	20.0
Carbon disulfide	Ave	1.993	2.421	0.1000	30.4	25.0	21.5*	20.0
Allyl chloride	Ave	1.609	1.736		27.0	25.0	7.9	20.0
Methyl acetate	Ave	1.227	1.237	0.1000	50.4	50.0	0.8	50.0
Methylene Chloride	Lin1		1.581	0.1000	27.8	25.0	11.1	20.0
2-Methyl-2-propanol	Ave	0.2236	0.2154		241	250	-3.7	50.0
Methyl tert-butyl ether	Ave	3.913	4.340	0.1000	27.7	25.0	10.9	20.0
trans-1,2-Dichloroethene	Ave	1.351	1.541	0.1000	28.5	25.0	14.0	20.0
Acrylonitrile	Ave	0.5918	0.6461		273	250	9.2	20.0
Hexane	Ave	1.575	1.608		25.5	25.0	2.1	20.0
1,1-Dichloroethane	Ave	2.181	2.650	0.2000	30.4	25.0	21.5*	20.0
Vinyl acetate	Ave	2.710	3.170		58.5	50.0	17.0	20.0
2,2-Dichloropropane	Ave	1.388	1.691		30.5	25.0	21.9*	20.0
cis-1,2-Dichloroethene	Ave	1.561	1.746	0.1000	27.9	25.0	11.8	20.0
2-Butanone (MEK)	Ave	0.8599	0.9054	0.1000	132	125	5.3	20.0
Chlorobromomethane	Ave	0.7988	0.8964		28.1	25.0	12.2	20.0
Tetrahydrofuran	Ave	0.5299	0.5216		49.2	50.0	-1.6	20.0
Chloroform	Ave	2.518	2.798	0.2000	27.8	25.0	11.1	20.0
1,1,1-Trichloroethane	Ave	1.991	2.259	0.1000	28.4	25.0	13.5	20.0
Cyclohexane	Ave	1.799	1.914	0.1000	26.6	25.0	6.4	20.0
1,1-Dichloropropene	Ave	1.762	1.999		28.4	25.0	13.4	20.0
Carbon tetrachloride	Ave	1.541	1.780	0.1000	28.9	25.0	15.5	20.0
Isobutyl alcohol	Ave	0.0923	0.0938		635	625	1.6	50.0
Benzene	Ave	5.129	6.154	0.5000	30.0	25.0	20.0	20.0
1,2-Dichloroethane	Ave	1.950	2.187	0.1000	28.0	25.0	12.2	20.0
n-Heptane	Ave	1.443	1.546		26.8	25.0	7.1	20.0
Trichloroethene	Ave	1.388	1.547	0.2000	27.9	25.0	11.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192614-1

SDG No.:

Lab Sample ID: CCVIS 480-606618/3 Calibration Date: 11/26/2021 09:27

Instrument ID: HP5977L Calib Start Date: 11/09/2021 18:01

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 11/09/2021 20:34

Lab File ID: L15780.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	Ave	2.201	2.204	0.1000	25.0	25.0	0.2	20.0
1,2-Dichloropropane	Ave	1.136	1.399	0.1000	30.8	25.0	23.1*	20.0
1,4-Dioxane	Lin1		0.0046		536	500	7.2	50.0
Dibromomethane	Ave	0.9001	1.025	0.1000	28.5	25.0	13.8	20.0
Bromodichloromethane	Ave	1.408	1.731	0.2000	30.7	25.0	22.9*	20.0
2-Chloroethyl vinyl ether	Ave	0.8350	0.6768		20.3	25.0	-18.9	20.0
cis-1,3-Dichloropropene	Lin1		2.186	0.2000	26.1	25.0	4.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3977	0.4112	0.1000	129	125	3.4	20.0
Toluene	Ave	0.8355	0.9047	0.4000	27.1	25.0	8.3	20.0
Ethyl methacrylate	Ave	0.4930	0.4773		24.2	25.0	-3.2	20.0
trans-1,3-Dichloropropene	Lin1		0.5085	0.1000	25.4	25.0	1.7	20.0
1,1,2-Trichloroethane	Ave	0.2591	0.2752	0.1000	26.6	25.0	6.2	20.0
Tetrachloroethene	Ave	0.3626	0.3787	0.2000	26.1	25.0	4.4	20.0
1,3-Dichloropropane	Ave	0.5227	0.5899		28.2	25.0	12.8	20.0
2-Hexanone	Ave	0.2820	0.3105	0.1000	138	125	10.1	20.0
Dibromochloromethane	Ave	0.2281	0.2739	0.1000	30.0	25.0	20.1*	20.0
1,2-Dibromoethane	Ave	0.3249	0.3323		25.6	25.0	2.3	20.0
Chlorobenzene	Ave	0.9588	1.007	0.5000	26.3	25.0	5.0	20.0
Ethylbenzene	Ave	1.540	1.680	0.1000	27.3	25.0	9.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3099	0.3512		28.3	25.0	13.3	20.0
m,p-Xylene	Ave	0.6070	0.6483	0.1000	26.7	25.0	6.8	20.0
o-Xylene	Ave	0.6172	0.6330	0.3000	25.6	25.0	2.6	20.0
Styrene	Ave	1.017	1.068	0.3000	26.3	25.0	5.0	20.0
Bromoform	Ave	0.1556	0.1666	0.1000	26.8	25.0	7.0	50.0
Isopropylbenzene	Ave	2.779	2.847	0.1000	25.6	25.0	2.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8348	0.8407	0.3000	25.2	25.0	0.7	20.0
Bromobenzene	Ave	0.7394	0.7197		24.3	25.0	-2.7	20.0
N-Propylbenzene	Ave	3.220	3.505		27.2	25.0	8.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2120	0.1907		22.5	25.0	-10.1	50.0
1,2,3-Trichloropropane	Ave	0.2909	0.2807		24.1	25.0	-3.5	20.0
2-Chlorotoluene	Ave	0.6951	0.6972		25.1	25.0	0.3	20.0
1,3,5-Trimethylbenzene	Ave	2.375	2.506		26.4	25.0	5.6	20.0
4-Chlorotoluene	Ave	2.012	2.067		25.7	25.0	2.7	20.0
tert-Butylbenzene	Ave	0.5399	0.5368		24.9	25.0	-0.6	20.0
1,2,4-Trimethylbenzene	Ave	2.450	2.555		26.1	25.0	4.3	20.0
sec-Butylbenzene	Ave	3.036	3.152		26.0	25.0	3.8	20.0
4-Isopropyltoluene	Ave	2.636	2.769		26.3	25.0	5.0	20.0
1,3-Dichlorobenzene	Ave	1.456	1.456	0.6000	25.0	25.0	-0.0	20.0
1,4-Dichlorobenzene	Ave	1.500	1.479	0.5000	24.7	25.0	-1.4	20.0
n-Butylbenzene	Ave	2.367	2.532		26.7	25.0	6.9	20.0
1,2-Dichlorobenzene	Ave	1.442	1.408	0.4000	24.4	25.0	-2.3	20.0

Data Usability Summary Report

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

Bomax Manufacturing #623009
Eurofins SDG#480-192674-1
March 15, 2022
Sampling date: 11/18, 19/2021

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 for Ramboll, project located at Bomax Manufacturing #623009, Eurofins SDG#480-192674-1 submitted to Vali-Data of WNY, LLC on February 14, 2022. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C) and Semi-Volatile Organics (8270D SIM ID).

ID	Sample ID	Laboratory ID
1	TRIPBLANK-111921	480-192674-1
2	MW-12-11-111821	480-192674-2
3	MW-12-18-111821	480-192674-3
4	MW-12-25-111821	480-192674-4
5	MW-12-27-111821	480-192674-5
6	MW-12-20-111821	480-192674-6
7	MW-12-06-111821	480-192674-7
8	MW-12-09-111821	480-192674-8
9	MW-12-10-111821	480-192674-9
10	MW-12-19-111821	480-192674-10
11	MW-12-21-111821	480-192674-11
12	MW-12-14-111921	480-192674-12
13	MW-12-02-111921	480-192674-13
14	MW-12-16-111921	480-192674-14
15	MW-12-17-111921	480-192674-15
16	MW-12-28-111921	480-192674-16
17	MW-12-12-111921	480-192674-17
18	MW-12-04-111921	480-192674-18
19	MW-12-08-111921	480-192674-19
20	X-2-111921	480-192674-20

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 Holding Times, Laboratory Control Samples, MS/MSD, Initial Calibration and Continuing Calibration.

Samples: #2, 13, 17 and 20 were diluted 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 sample #15 was outside QC limits and the sample was not run within the 7-day technical holding time. Target analytes detected in this sample should be qualified as estimated and target analytes not detected should be qualified as unusable.

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 except the %Rec of Bromodichloromethane and Chloroethane were outside QC limits, high in LCS 480-606717/4 and should be qualified as estimated.

LCS ID	Target Analyte	%Rec	Qualifier	Associated Sample
LCS 480-606717	Bromodichloromethane	123	JH	None
LCS 480-606717	Chloroethane	137	JH	11, 18

MS/MSD

All criteria were met except several target analytes were outside QC limits, high in the matrix spikes and matrix spike duplicates, and are not detected in the associated sample, and are qualified with an 'F1'.

The %Rec of 1,1,1-Trichloroethane and 1,1-Dichloroethane was outside QC limits, high in MW12-14-111921MS/MSD and should be qualified as estimated. These target analytes should be qualified as estimated high in MW12-14-111921.

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 except some target analytes were outside QC limits in the initial calibration and the initial calibration verification. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

Cal ID	Target Analyte	%RSD/%D	Qualifier	Associated Sample
HP5977L	Carbon Disulfide	26.4	UJ/J	All blanks, samples, spikes
HP5977L	Chlorodibromomethane	26.5	UJ/J	All blanks, samples, spikes
HP5977L	Bromoform	26.5	UJ/J	All blanks, samples, spikes
ICV 480-604142/26	Chlorodibromomethane	22.6	UJ/J	All blanks, samples, spikes

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	%D	Qualifier	Associated Sample
CCVIS 480-606717/2	Carbon Disulfide	30.9	UJ/J	All blanks, samples, spikes
CCVIS 480-606717/2	Dichlorobromomethane	20.3	UJ/J	All blanks, samples, spikes
CCVIS 480-606717/2	1,2-Dichloropropane	20.8	UJ/J	All blanks, samples, spikes

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.

Samples: #17 and 18 were diluted due to high target analyte concentration.

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.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

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.

Job Narrative
480-192674-1

Comments
No additional comments.

Receipt
The samples were received on 11/20/2021 12:00 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 2.4º C and 2.8º C.

GC/MS VOA
Method 8260C: The initial calibration curve analyzed in batch 480-606717 was outside acceptance criteria for Carbon disulfide, Chlorodibromomethane and Bromoform. The following samples are impacted: TRIPBLANK 111921 (480-192674-1), MW12-11-111821 (480-192674-2), MW12-18-111821 (480-192674-3), MW12-25-111821 (480-192674-4), MW12-27-111821 (480-192674-5), MW12-20-111821 (480-192674-6), MW12-06-111821 (480-192674-7), MW12-09-111821 (480-192674-8), MW12-10-111821 (480-192674-9), MW12-19-111821 (480-192674-10), MW12-21-111821 (480-192674-11), MW12-14-111921 (480-192674-12), MW12-14-111921 (480-192674-12[MS]), MW12-14-111921 (480-192674-12[MSD]), MW12-02-111921 (480-192674-13), MW12-16-111921 (480-192674-14), MW12-17-111921 (480-192674-15), MW12-28-111921 (480-192674-16), MW12-12-111921 (480-192674-17), MW12-04-111921 (480-192674-18), MW12-08-111921 (480-192674-19) and X-2-111921 (480-192674-20).

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-606717 recovered above the upper control limit for Carbon disulfide, Dichlorobromomethane and 1,2-Dichloropropane. The samples associated with this CCVIS were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: TRIPBLANK 111921 (480-192674-1), MW12-11-111821 (480-192674-2), MW12-18-111821 (480-192674-3), MW12-25-111821 (480-192674-4), MW12-27-111821 (480-192674-5), MW12-20-111821 (480-192674-6), MW12-06-111821 (480-192674-7), MW12-09-111821 (480-192674-8), MW12-10-111821 (480-192674-9), MW12-19-111821 (480-192674-10), MW12-21-111821 (480-192674-11), MW12-14-111921 (480-192674-12), MW12-02-111921 (480-192674-13), MW12-16-111921 (480-192674-14), MW12-17-111921 (480-192674-15), MW12-28-111921 (480-192674-16), MW12-12-111921 (480-192674-17), MW12-04-111921 (480-192674-18), MW12-08-111921 (480-192674-19) and X-2-111921 (480-192674-20).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-606717 recovered outside control limits for the following analytes: Bromodichloromethane and Chloroethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The associated samples are: TRIPBLANK 111921 (480-192674-1), MW12-11-111821 (480-192674-2), MW12-18-111821 (480-192674-3), MW12-25-111821 (480-192674-4), MW12-27-111821 (480-192674-5), MW12-20-111821 (480-192674-6), MW12-06-111821 (480-192674-7), MW12-09-111821 (480-192674-8), MW12-10-111821 (480-192674-9), MW12-19-111821 (480-192674-10), MW12-14-111921 (480-192674-12), MW12-02-111921 (480-192674-13), MW12-16-111921 (480-192674-14), MW12-17-111921 (480-192674-15), MW12-28-111921 (480-192674-16), MW12-12-111921 (480-192674-17), MW12-08-111921 (480-192674-19) and X-2-111921 (480-192674-20).

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW12-11-111821 (480-192674-2), MW12-02-111921 (480-192674-13), MW12-12-111921 (480-192674-17), MW12-04-111921 (480-192674-18) and X-2-111921 (480-192674-20). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: MW12-17-111921 (480-192674-15). pH is 7.

Method 8260C: Due to the high concentration of 1,1,1-Trichloroethane, the matrix spike duplicate (MSD) for analytical batch 480-606717 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 8260C: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 480-606717 recovered outside control limits for the following analyte: Chloroethane. Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for these analyte. These results have been reported and qualified.The associated samples are impacted: MW12-21-111821 (480-192674-11) and MW12-04-111921 (480-192674-18).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 480-606717 recovered outside control limits for the following analyte: Bromodichloromethane . These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

GC/MS Semi VOA
Method 8270D SIM ID: The breakdown of 4,4'-DDT in the tuning evaluation exceeded 20%. Breakdown is not a criteria of the method but rather an internal check performed by the laboratory to evaluate the peak shape of 1,4-Dioxane and 1,4-Dioxane-d8. No adverse performance was observed and QC recoveries were in control. The data have been reported.

Method 8270D SIM ID: The 1,4-Dioxane result reported for sample MW12-12-111921 (480-192674-17) have an E flag qualifier indicating the results are over the calibration range on the raw data. The actual amounts are within the calibration range; however, the E flag is

generated based upon the bias corrected concentration. The LIMS system calculates a bias correction based on the recovery of the 1,4-Dioxane-d8 isotope.

Method 8270D SIM ID: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW12-12-111921 (480-192674-17) and MW12-04-111921 (480-192674-18). 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.

Organic Prep
Method 3510C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: MW12-17-111921 (480-192674-15). The reporting limits (RLs) have been adjusted proportionately.

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

Client Sample ID: TRIPBLANK 111921
Lab Sample ID: 480-192674-1

Date Collected: 11/19/21 00:00
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/27/21 12:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/27/21 12:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/27/21 12:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/27/21 12:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/27/21 12:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/27/21 12:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/27/21 12:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/27/21 12:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/27/21 12:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/27/21 12:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/27/21 12:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/27/21 12:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/27/21 12:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/27/21 12:05	1
2-Hexanone	ND		5.0	1.2	ug/L			11/27/21 12:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/27/21 12:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/27/21 12:05	1
Acetone	ND		10	3.0	ug/L			11/27/21 12:05	1
Benzene	ND		1.0	0.41	ug/L			11/27/21 12:05	1
Bromodichloromethane	ND	*+	1.0	0.39	ug/L			11/27/21 12:05	1
Bromoform	ND		1.0	0.26	ug/L			11/27/21 12:05	1
Bromomethane	ND		1.0	0.69	ug/L			11/27/21 12:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/27/21 12:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/27/21 12:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/27/21 12:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/27/21 12:05	1
Chloroethane	ND	*+	1.0	0.32	ug/L			11/27/21 12:05	1
Chloroform	ND		1.0	0.34	ug/L			11/27/21 12:05	1
Chloromethane	ND		1.0	0.35	ug/L			11/27/21 12:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/27/21 12:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/27/21 12:05	1
Cyclohexane	ND		1.0	0.18	ug/L			11/27/21 12:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/27/21 12:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/21 12:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/21 12:05	1
Methyl acetate	ND		2.5	1.3	ug/L			11/27/21 12:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/21 12:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/27/21 12:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/27/21 12:05	1
Styrene	ND		1.0	0.73	ug/L			11/27/21 12:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/27/21 12:05	1
Toluene	ND		1.0	0.51	ug/L			11/27/21 12:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/27/21 12:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/27/21 12:05	1
Trichloroethene	ND		1.0	0.46	ug/L			11/27/21 12:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/27/21 12:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/27/21 12:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/21 12:05	1

Client Sample ID: TRIPBLANK 111921
Lab Sample ID: 480-192674-1

Date Collected: 11/19/21 00:00
Matrix: Water
Date Received: 11/20/21 00:00

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/27/21 12:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		11/27/21 12:05	1
Toluene-d8 (Surr)	102		80 - 120		11/27/21 12:05	1
4-Bromofluorobenzene (Surr)	98		73 - 120		11/27/21 12:05	1
Dibromofluoromethane (Surr)	109		75 - 123		11/27/21 12:05	1

Client Sample ID: MW12-11-111821
Lab Sample ID: 480-192674-2

Date Collected: 11/18/21 09:00
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**160**		5.0	4.1	ug/L			11/27/21 12:28	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			11/27/21 12:28	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			11/27/21 12:28	5
1,1,2-Trichloro-1,2,2-trifluoroethane	**9.3**		5.0	1.6	ug/L			11/27/21 12:28	5
1,1-Dichloroethane	**38**		5.0	1.9	ug/L			11/27/21 12:28	5
1,1-Dichloroethene	**4.4**	**J**	5.0	1.5	ug/L			11/27/21 12:28	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			11/27/21 12:28	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			11/27/21 12:28	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			11/27/21 12:28	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			11/27/21 12:28	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			11/27/21 12:28	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			11/27/21 12:28	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			11/27/21 12:28	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			11/27/21 12:28	5
2-Hexanone	ND		25	6.2	ug/L			11/27/21 12:28	5
2-Butanone (MEK)	ND		50	6.6	ug/L			11/27/21 12:28	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			11/27/21 12:28	5
Acetone	ND		50	15	ug/L			11/27/21 12:28	5
Benzene	ND		5.0	2.1	ug/L			11/27/21 12:28	5
Bromodichloromethane	ND	*+	5.0	2.0	ug/L			11/27/21 12:28	5
Bromoform	ND		5.0	1.3	ug/L			11/27/21 12:28	5
Bromomethane	ND		5.0	3.5	ug/L			11/27/21 12:28	5
Carbon disulfide	ND		5.0	0.95	ug/L			11/27/21 12:28	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			11/27/21 12:28	5
Chlorobenzene	ND		5.0	3.8	ug/L			11/27/21 12:28	5
Dibromochloromethane	ND		5.0	1.6	ug/L			11/27/21 12:28	5
Chloroethane	ND	*+	5.0	1.6	ug/L			11/27/21 12:28	5
Chloroform	ND		5.0	1.7	ug/L			11/27/21 12:28	5
Chloromethane	ND		5.0	1.8	ug/L			11/27/21 12:28	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			11/27/21 12:28	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			11/27/21 12:28	5
Cyclohexane	ND		5.0	0.90	ug/L			11/27/21 12:28	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			11/27/21 12:28	5
Ethylbenzene	ND		5.0	3.7	ug/L			11/27/21 12:28	5
Isopropylbenzene	ND		5.0	4.0	ug/L			11/27/21 12:28	5
Methyl acetate	ND		13	6.5	ug/L			11/27/21 12:28	5

Client Sample ID: MW12-11-111821
Lab Sample ID: 480-192674-2
Date Collected: 11/18/21 09:00
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			11/27/21 12:28	5
Methylcyclohexane	ND		5.0	0.80	ug/L			11/27/21 12:28	5
Methylene Chloride	ND		5.0	2.2	ug/L			11/27/21 12:28	5
Styrene	ND		5.0	3.7	ug/L			11/27/21 12:28	5
Tetrachloroethene	ND		5.0	1.8	ug/L			11/27/21 12:28	5
Toluene	ND		5.0	2.6	ug/L			11/27/21 12:28	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			11/27/21 12:28	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			11/27/21 12:28	5
Trichloroethene	ND		5.0	2.3	ug/L			11/27/21 12:28	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			11/27/21 12:28	5
Vinyl chloride	ND		5.0	4.5	ug/L			11/27/21 12:28	5
Xylenes, Total	ND		10	3.3	ug/L			11/27/21 12:28	5

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/27/21 12:28*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*11/27/21 12:28*	*5*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/27/21 12:28*	*5*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*11/27/21 12:28*	*5*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*11/27/21 12:28*	*5*

Method: 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	**3.2**		0.20	0.10	ug/L		11/22/21 14:21	11/25/21 01:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*45*		*15 - 110*	*11/22/21 14:21*	*11/25/21 01:52*	*1*

Client Sample ID: MW12-18-111821
Lab Sample ID: 480-192674-3
Date Collected: 11/18/21 09:30
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**5.3**		1.0	0.82	ug/L			11/27/21 12:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/27/21 12:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/27/21 12:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/27/21 12:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/27/21 12:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/27/21 12:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/27/21 12:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/27/21 12:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/27/21 12:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/27/21 12:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/27/21 12:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/27/21 12:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/27/21 12:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/27/21 12:50	1
2-Hexanone	ND		5.0	1.2	ug/L			11/27/21 12:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/27/21 12:50	1

Client Sample ID: MW12-18-111821
Lab Sample ID: 480-192674-3

Date Collected: 11/18/21 09:30
Matrix: Water

Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/27/21 12:50	1
Acetone	ND		10	3.0	ug/L			11/27/21 12:50	1
Benzene	ND		1.0	0.41	ug/L			11/27/21 12:50	1
Bromodichloromethane	ND	*+	1.0	0.39	ug/L			11/27/21 12:50	1
Bromoform	ND		1.0	0.26	ug/L			11/27/21 12:50	1
Bromomethane	ND		1.0	0.69	ug/L			11/27/21 12:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/27/21 12:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/27/21 12:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/27/21 12:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/27/21 12:50	1
Chloroethane	ND	*+	1.0	0.32	ug/L			11/27/21 12:50	1
Chloroform	ND		1.0	0.34	ug/L			11/27/21 12:50	1
Chloromethane	ND		1.0	0.35	ug/L			11/27/21 12:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/27/21 12:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/27/21 12:50	1
Cyclohexane	ND		1.0	0.18	ug/L			11/27/21 12:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/27/21 12:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/21 12:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/21 12:50	1
Methyl acetate	ND		2.5	1.3	ug/L			11/27/21 12:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/21 12:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/27/21 12:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/27/21 12:50	1
Styrene	ND		1.0	0.73	ug/L			11/27/21 12:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/27/21 12:50	1
Toluene	ND		1.0	0.51	ug/L			11/27/21 12:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/27/21 12:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/27/21 12:50	1
Trichloroethene	ND		1.0	0.46	ug/L			11/27/21 12:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/27/21 12:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/27/21 12:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/21 12:50	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/27/21 12:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*11/27/21 12:50*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*11/27/21 12:50*	*1*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*11/27/21 12:50*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*11/27/21 12:50*	*1*

Method: 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	**0.13**	**J**	0.20	0.10	ug/L		11/22/21 14:21	11/25/21 02:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*38*		*15 - 110*	*11/22/21 14:21*	*11/25/21 02:16*	*1*

Client Sample ID: MW12-25-111821
Lab Sample ID: 480-192674-4

Date Collected: 11/18/21 09:45
Matrix: Water

Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1.4**		1.0	0.82	ug/L			11/27/21 13:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/27/21 13:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/27/21 13:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/27/21 13:11	1
1,1-Dichloroethane	**1.1**		1.0	0.38	ug/L			11/27/21 13:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/27/21 13:11	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/27/21 13:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/27/21 13:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/27/21 13:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/27/21 13:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/27/21 13:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/27/21 13:11	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/27/21 13:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/27/21 13:11	1
2-Hexanone	ND		5.0	1.2	ug/L			11/27/21 13:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/27/21 13:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/27/21 13:11	1
Acetone	**6.6**	**J**	10	3.0	ug/L			11/27/21 13:11	1
Benzene	ND		1.0	0.41	ug/L			11/27/21 13:11	1
Bromodichloromethane	ND	*+	1.0	0.39	ug/L			11/27/21 13:11	1
Bromoform	ND		1.0	0.26	ug/L			11/27/21 13:11	1
Bromomethane	ND		1.0	0.69	ug/L			11/27/21 13:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/27/21 13:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/27/21 13:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/27/21 13:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/27/21 13:11	1
Chloroethane	ND	*+	1.0	0.32	ug/L			11/27/21 13:11	1
Chloroform	ND		1.0	0.34	ug/L			11/27/21 13:11	1
Chloromethane	ND		1.0	0.35	ug/L			11/27/21 13:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/27/21 13:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/27/21 13:11	1
Cyclohexane	ND		1.0	0.18	ug/L			11/27/21 13:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/27/21 13:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/21 13:11	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/21 13:11	1
Methyl acetate	ND		2.5	1.3	ug/L			11/27/21 13:11	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/21 13:11	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/27/21 13:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/27/21 13:11	1
Styrene	ND		1.0	0.73	ug/L			11/27/21 13:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/27/21 13:11	1
Toluene	ND		1.0	0.51	ug/L			11/27/21 13:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/27/21 13:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/27/21 13:11	1
Trichloroethene	ND		1.0	0.46	ug/L			11/27/21 13:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/27/21 13:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/27/21 13:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/21 13:11	1

Client Sample ID: MW12-25-111821
Lab Sample ID: 480-192674-4

Date Collected: 11/18/21 09:45
Matrix: Water
Date Received: 11/20/21 00:00

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/L					11/27/21 13:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		11/27/21 13:11	1
Toluene-d8 (Surr)	103		80 - 120		11/27/21 13:11	1
4-Bromofluorobenzene (Surr)	99		73 - 120		11/27/21 13:11	1
Dibromofluoromethane (Surr)	112		75 - 123		11/27/21 13:11	1

Method: 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	4.2		0.20	0.10	ug/L		11/22/21 14:21	11/25/21 02:39	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	43		15 - 110	11/22/21 14:21	11/25/21 02:39	1

Client Sample ID: MW12-27-111821
Lab Sample ID: 480-192674-5

Date Collected: 11/18/21 10:45
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/27/21 13:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/27/21 13:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/27/21 13:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/27/21 13:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/27/21 13:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/27/21 13:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/27/21 13:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/27/21 13:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/27/21 13:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/27/21 13:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/27/21 13:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/27/21 13:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/27/21 13:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/27/21 13:34	1
2-Hexanone	ND		5.0	1.2	ug/L			11/27/21 13:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/27/21 13:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/27/21 13:34	1
Acetone	ND		10	3.0	ug/L			11/27/21 13:34	1
Benzene	ND		1.0	0.41	ug/L			11/27/21 13:34	1
Bromodichloromethane	ND	*+	1.0	0.39	ug/L			11/27/21 13:34	1
Bromoform	ND		1.0	0.26	ug/L			11/27/21 13:34	1
Bromomethane	ND		1.0	0.69	ug/L			11/27/21 13:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/27/21 13:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/27/21 13:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/27/21 13:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/27/21 13:34	1
Chloroethane	ND	*+	1.0	0.32	ug/L			11/27/21 13:34	1
Chloroform	ND		1.0	0.34	ug/L			11/27/21 13:34	1
Chloromethane	ND		1.0	0.35	ug/L			11/27/21 13:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/27/21 13:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/27/21 13:34	1

Client Sample ID: MW12-27-111821
Lab Sample ID: 480-192674-5
Date Collected: 11/18/21 10:45
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		1.0	0.18	ug/L			11/27/21 13:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/27/21 13:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/21 13:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/21 13:34	1
Methyl acetate	ND		2.5	1.3	ug/L			11/27/21 13:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/21 13:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/27/21 13:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/27/21 13:34	1
Styrene	ND		1.0	0.73	ug/L			11/27/21 13:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/27/21 13:34	1
Toluene	ND		1.0	0.51	ug/L			11/27/21 13:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/27/21 13:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/27/21 13:34	1
Trichloroethene	ND		1.0	0.46	ug/L			11/27/21 13:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/27/21 13:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/27/21 13:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/21 13:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Propane	*11*	*T J N*	*ug/L*		*2.04*	*74-98-6*		*11/27/21 13:34*	*1*
Unknown	*2.7*	*T J*	*ug/L*		*2.27*			*11/27/21 13:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*11/27/21 13:34*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*11/27/21 13:34*	*1*
4-Bromofluorobenzene (Surr)	*84*		*73 - 120*		*11/27/21 13:34*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*11/27/21 13:34*	*1*

Method: 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	**5.6**		0.20	0.10	ug/L		11/22/21 14:21	11/25/21 03:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*37*		*15 - 110*	*11/22/21 14:21*	*11/25/21 03:03*	*1*

Client Sample ID: MW12-20-111821
Lab Sample ID: 480-192674-6
Date Collected: 11/18/21 11:00
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/27/21 13:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/27/21 13:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/27/21 13:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/27/21 13:55	1
1,1-Dichloroethane	**0.72**	**J**	1.0	0.38	ug/L			11/27/21 13:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/27/21 13:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/27/21 13:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/27/21 13:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/27/21 13:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/27/21 13:55	1

Client Sample ID: MW12-20-111821
Lab Sample ID: 480-192674-6

Date Collected: 11/18/21 11:00
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/27/21 13:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/27/21 13:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/27/21 13:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/27/21 13:55	1
2-Hexanone	ND		5.0	1.2	ug/L			11/27/21 13:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/27/21 13:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/27/21 13:55	1
Acetone	ND		10	3.0	ug/L			11/27/21 13:55	1
Benzene	ND		1.0	0.41	ug/L			11/27/21 13:55	1
Bromodichloromethane	ND	*+	1.0	0.39	ug/L			11/27/21 13:55	1
Bromoform	ND		1.0	0.26	ug/L			11/27/21 13:55	1
Bromomethane	ND		1.0	0.69	ug/L			11/27/21 13:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/27/21 13:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/27/21 13:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/27/21 13:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/27/21 13:55	1
Chloroethane	ND	*+	1.0	0.32	ug/L			11/27/21 13:55	1
Chloroform	ND		1.0	0.34	ug/L			11/27/21 13:55	1
Chloromethane	ND		1.0	0.35	ug/L			11/27/21 13:55	1
cis-1,2-Dichloroethene	**1.8**		1.0	0.81	ug/L			11/27/21 13:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/27/21 13:55	1
Cyclohexane	ND		1.0	0.18	ug/L			11/27/21 13:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/27/21 13:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/21 13:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/21 13:55	1
Methyl acetate	ND		2.5	1.3	ug/L			11/27/21 13:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/21 13:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/27/21 13:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/27/21 13:55	1
Styrene	ND		1.0	0.73	ug/L			11/27/21 13:55	1
Tetrachloroethene	**2.8**		1.0	0.36	ug/L			11/27/21 13:55	1
Toluene	ND		1.0	0.51	ug/L			11/27/21 13:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/27/21 13:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/27/21 13:55	1
Trichloroethene	**2.2**		1.0	0.46	ug/L			11/27/21 13:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/27/21 13:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/27/21 13:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/21 13:55	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/27/21 13:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*11/27/21 13:55*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/27/21 13:55*	*1*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*11/27/21 13:55*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*11/27/21 13:55*	*1*

Client Sample ID: MW12-20-111821
Lab Sample ID: 480-192674-6

Date Collected: 11/18/21 11:00
Matrix: Water
Date Received: 11/20/21 00:00

Method: 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	1.9		0.20	0.10	ug/L		11/22/21 14:21	11/25/21 03:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*52*		*15 - 110*	*11/22/21 14:21*	*11/25/21 03:26*	*1*

Client Sample ID: MW12-06-111821
Lab Sample ID: 480-192674-7

Date Collected: 11/18/21 12:00
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/27/21 14:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/27/21 14:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/27/21 14:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/27/21 14:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/27/21 14:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/27/21 14:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/27/21 14:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/27/21 14:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/27/21 14:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/27/21 14:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/27/21 14:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/27/21 14:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/27/21 14:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/27/21 14:17	1
2-Hexanone	ND		5.0	1.2	ug/L			11/27/21 14:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/27/21 14:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/27/21 14:17	1
Acetone	ND		10	3.0	ug/L			11/27/21 14:17	1
Benzene	ND		1.0	0.41	ug/L			11/27/21 14:17	1
Bromodichloromethane	ND	*+	1.0	0.39	ug/L			11/27/21 14:17	1
Bromoform	ND		1.0	0.26	ug/L			11/27/21 14:17	1
Bromomethane	ND		1.0	0.69	ug/L			11/27/21 14:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/27/21 14:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/27/21 14:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/27/21 14:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/27/21 14:17	1
Chloroethane	ND	*+	1.0	0.32	ug/L			11/27/21 14:17	1
Chloroform	ND		1.0	0.34	ug/L			11/27/21 14:17	1
Chloromethane	ND		1.0	0.35	ug/L			11/27/21 14:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/27/21 14:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/27/21 14:17	1
Cyclohexane	ND		1.0	0.18	ug/L			11/27/21 14:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/27/21 14:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/21 14:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/21 14:17	1
Methyl acetate	ND		2.5	1.3	ug/L			11/27/21 14:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/21 14:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/27/21 14:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/27/21 14:17	1
Styrene	ND		1.0	0.73	ug/L			11/27/21 14:17	1

Client Sample ID: MW12-06-111821
Lab Sample ID: 480-192674-7
Date Collected: 11/18/21 12:00
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.36	ug/L			11/27/21 14:17	1
Toluene	ND		1.0	0.51	ug/L			11/27/21 14:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/27/21 14:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/27/21 14:17	1
Trichloroethene	ND		1.0	0.46	ug/L			11/27/21 14:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/27/21 14:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/27/21 14:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/21 14:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/27/21 14:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*11/27/21 14:17*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/27/21 14:17*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*11/27/21 14:17*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*11/27/21 14:17*	*1*

Method: 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	ND		0.20	0.10	ug/L		11/22/21 14:21	11/25/21 03:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*44*		*15 - 110*	*11/22/21 14:21*	*11/25/21 03:50*	*1*

Client Sample ID: MW12-09-111821
Lab Sample ID: 480-192674-8
Date Collected: 11/18/21 12:30
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/27/21 14:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/27/21 14:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/27/21 14:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/27/21 14:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/27/21 14:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/27/21 14:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/27/21 14:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/27/21 14:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/27/21 14:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/27/21 14:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/27/21 14:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/27/21 14:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/27/21 14:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/27/21 14:40	1
2-Hexanone	ND		5.0	1.2	ug/L			11/27/21 14:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/27/21 14:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/27/21 14:40	1
Acetone	ND		10	3.0	ug/L			11/27/21 14:40	1
Benzene	ND		1.0	0.41	ug/L			11/27/21 14:40	1
Bromodichloromethane	ND	*+	1.0	0.39	ug/L			11/27/21 14:40	1

Client Sample ID: MW12-09-111821
Lab Sample ID: 480-192674-8

Date Collected: 11/18/21 12:30
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		1.0	0.26	ug/L			11/27/21 14:40	1
Bromomethane	ND		1.0	0.69	ug/L			11/27/21 14:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/27/21 14:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/27/21 14:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/27/21 14:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/27/21 14:40	1
Chloroethane	ND	*+	1.0	0.32	ug/L			11/27/21 14:40	1
Chloroform	ND		1.0	0.34	ug/L			11/27/21 14:40	1
Chloromethane	ND		1.0	0.35	ug/L			11/27/21 14:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/27/21 14:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/27/21 14:40	1
Cyclohexane	ND		1.0	0.18	ug/L			11/27/21 14:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/27/21 14:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/21 14:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/21 14:40	1
Methyl acetate	ND		2.5	1.3	ug/L			11/27/21 14:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/21 14:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/27/21 14:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/27/21 14:40	1
Styrene	ND		1.0	0.73	ug/L			11/27/21 14:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/27/21 14:40	1
Toluene	ND		1.0	0.51	ug/L			11/27/21 14:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/27/21 14:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/27/21 14:40	1
Trichloroethene	ND		1.0	0.46	ug/L			11/27/21 14:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/27/21 14:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/27/21 14:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/21 14:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/27/21 14:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*11/27/21 14:40*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*11/27/21 14:40*	*1*
4-Bromofluorobenzene (Surr)	*82*		*73 - 120*		*11/27/21 14:40*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*11/27/21 14:40*	*1*

Method: 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	ND		0.20	0.10	ug/L		11/22/21 14:21	11/25/21 04:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*40*		*15 - 110*	*11/22/21 14:21*	*11/25/21 04:13*	*1*

Client Sample ID: MW12-10-111821
Lab Sample ID: 480-192674-9

Date Collected: 11/18/21 13:00
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**38**		1.0	0.82	ug/L			11/27/21 15:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/27/21 15:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/27/21 15:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**14**		1.0	0.31	ug/L			11/27/21 15:02	1
1,1-Dichloroethane	**12**		1.0	0.38	ug/L			11/27/21 15:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/27/21 15:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/27/21 15:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/27/21 15:02	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/27/21 15:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/27/21 15:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/27/21 15:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/27/21 15:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/27/21 15:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/27/21 15:02	1
2-Hexanone	ND		5.0	1.2	ug/L			11/27/21 15:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/27/21 15:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/27/21 15:02	1
Acetone	ND		10	3.0	ug/L			11/27/21 15:02	1
Benzene	ND		1.0	0.41	ug/L			11/27/21 15:02	1
Bromodichloromethane	ND	*+	1.0	0.39	ug/L			11/27/21 15:02	1
Bromoform	ND		1.0	0.26	ug/L			11/27/21 15:02	1
Bromomethane	ND		1.0	0.69	ug/L			11/27/21 15:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/27/21 15:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/27/21 15:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/27/21 15:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/27/21 15:02	1
Chloroethane	ND	*+	1.0	0.32	ug/L			11/27/21 15:02	1
Chloroform	ND		1.0	0.34	ug/L			11/27/21 15:02	1
Chloromethane	ND		1.0	0.35	ug/L			11/27/21 15:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/27/21 15:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/27/21 15:02	1
Cyclohexane	ND		1.0	0.18	ug/L			11/27/21 15:02	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/27/21 15:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/21 15:02	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/21 15:02	1
Methyl acetate	ND		2.5	1.3	ug/L			11/27/21 15:02	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/21 15:02	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/27/21 15:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/27/21 15:02	1
Styrene	ND		1.0	0.73	ug/L			11/27/21 15:02	1
Tetrachloroethene	**0.46**	**J**	1.0	0.36	ug/L			11/27/21 15:02	1
Toluene	ND		1.0	0.51	ug/L			11/27/21 15:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/27/21 15:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/27/21 15:02	1
Trichloroethene	ND		1.0	0.46	ug/L			11/27/21 15:02	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/27/21 15:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/27/21 15:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/21 15:02	1

Client Sample ID: MW12-10-111821
Lab Sample ID: 480-192674-9

Date Collected: 11/18/21 13:00
Matrix: Water
Date Received: 11/20/21 00:00

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethane, 1,2-dichloro-1,1,2-trifluoro-	3.2	T J N	ug/L		3.52	354-23-4		11/27/21 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		77 - 120		11/27/21 15:02	1
Toluene-d8 (Surr)	105		80 - 120		11/27/21 15:02	1
4-Bromofluorobenzene (Surr)	98		73 - 120		11/27/21 15:02	1
Dibromofluoromethane (Surr)	119		75 - 123		11/27/21 15:02	1

Method: 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	0.26		0.20	0.10	ug/L		11/22/21 14:21	11/25/21 04:37	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	42		15 - 110	11/22/21 14:21	11/25/21 04:37	1

Client Sample ID: MW12-19-111821
Lab Sample ID: 480-192674-10

Date Collected: 11/18/21 14:00
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/27/21 15:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/27/21 15:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/27/21 15:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/27/21 15:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/27/21 15:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/27/21 15:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/27/21 15:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/27/21 15:23	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/27/21 15:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/27/21 15:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/27/21 15:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/27/21 15:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/27/21 15:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/27/21 15:23	1
2-Hexanone	ND		5.0	1.2	ug/L			11/27/21 15:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/27/21 15:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/27/21 15:23	1
Acetone	ND		10	3.0	ug/L			11/27/21 15:23	1
Benzene	ND		1.0	0.41	ug/L			11/27/21 15:23	1
Bromodichloromethane	ND	*+	1.0	0.39	ug/L			11/27/21 15:23	1
Bromoform	ND		1.0	0.26	ug/L			11/27/21 15:23	1
Bromomethane	ND		1.0	0.69	ug/L			11/27/21 15:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/27/21 15:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/27/21 15:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/27/21 15:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/27/21 15:23	1
Chloroethane	ND	*+	1.0	0.32	ug/L			11/27/21 15:23	1
Chloroform	ND		1.0	0.34	ug/L			11/27/21 15:23	1
Chloromethane	ND		1.0	0.35	ug/L			11/27/21 15:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/27/21 15:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/27/21 15:23	1

Client Sample ID: MW12-19-111821
Lab Sample ID: 480-192674-10
Date Collected: 11/18/21 14:00
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		1.0	0.18	ug/L			11/27/21 15:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/27/21 15:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/21 15:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/21 15:23	1
Methyl acetate	ND		2.5	1.3	ug/L			11/27/21 15:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/21 15:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/27/21 15:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/27/21 15:23	1
Styrene	ND		1.0	0.73	ug/L			11/27/21 15:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/27/21 15:23	1
Toluene	ND		1.0	0.51	ug/L			11/27/21 15:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/27/21 15:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/27/21 15:23	1
Trichloroethene	ND		1.0	0.46	ug/L			11/27/21 15:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/27/21 15:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/27/21 15:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/21 15:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/27/21 15:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*11/27/21 15:23*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/27/21 15:23*	*1*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*11/27/21 15:23*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*11/27/21 15:23*	*1*

Method: 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	**0.71**		0.20	0.10	ug/L		11/22/21 14:21	11/25/21 05:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*44*		*15 - 110*	*11/22/21 14:21*	*11/25/21 05:00*	*1*

Client Sample ID: MW12-21-111821
Lab Sample ID: 480-192674-11
Date Collected: 11/18/21 16:00
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**36**		1.0	0.82	ug/L			11/27/21 15:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/27/21 15:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/27/21 15:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/27/21 15:45	1
1,1-Dichloroethane	**57**		1.0	0.38	ug/L			11/27/21 15:45	1
1,1-Dichloroethene	**1.7**		1.0	0.29	ug/L			11/27/21 15:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/27/21 15:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/27/21 15:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/27/21 15:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/27/21 15:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/27/21 15:45	1

Client Sample ID: MW12-21-111821
Lab Sample ID: 480-192674-11

Date Collected: 11/18/21 16:00
Matrix: Water

Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/27/21 15:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/27/21 15:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/27/21 15:45	1
2-Hexanone	ND		5.0	1.2	ug/L			11/27/21 15:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/27/21 15:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/27/21 15:45	1
Acetone	ND		10	3.0	ug/L			11/27/21 15:45	1
Benzene	ND		1.0	0.41	ug/L			11/27/21 15:45	1
Bromodichloromethane	ND	*+	1.0	0.39	ug/L			11/27/21 15:45	1
Bromoform	ND		1.0	0.26	ug/L			11/27/21 15:45	1
Bromomethane	ND		1.0	0.69	ug/L			11/27/21 15:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/27/21 15:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/27/21 15:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/27/21 15:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/27/21 15:45	1
Chloroethane	**19**	*+	1.0	0.32	ug/L			11/27/21 15:45	1
Chloroform	ND		1.0	0.34	ug/L			11/27/21 15:45	1
Chloromethane	ND		1.0	0.35	ug/L			11/27/21 15:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/27/21 15:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/27/21 15:45	1
Cyclohexane	ND		1.0	0.18	ug/L			11/27/21 15:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/27/21 15:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/21 15:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/21 15:45	1
Methyl acetate	ND		2.5	1.3	ug/L			11/27/21 15:45	1
Methyl tert-butyl ether	**4.6**		1.0	0.16	ug/L			11/27/21 15:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/27/21 15:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/27/21 15:45	1
Styrene	ND		1.0	0.73	ug/L			11/27/21 15:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/27/21 15:45	1
Toluene	ND		1.0	0.51	ug/L			11/27/21 15:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/27/21 15:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/27/21 15:45	1
Trichloroethene	ND		1.0	0.46	ug/L			11/27/21 15:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/27/21 15:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/27/21 15:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/21 15:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/27/21 15:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*11/27/21 15:45*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*11/27/21 15:45*	*1*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*11/27/21 15:45*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*11/27/21 15:45*	*1*

Method: 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	**9.7**		0.20	0.10	ug/L		11/22/21 14:21	11/25/21 05:24	1

Client Sample ID: MW12-21-111821
Lab Sample ID: 480-192674-11

Date Collected: 11/18/21 16:00
Matrix: Water
Date Received: 11/20/21 00:00

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	44		15 - 110	11/22/21 14:21	11/25/21 05:24	1

Client Sample ID: MW12-14-111921
Lab Sample ID: 480-192674-12

Date Collected: 11/19/21 08:40
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**66**	**F1**	1.0	0.82	ug/L			11/27/21 16:07	1
1,1,2,2-Tetrachloroethane	ND	F1	1.0	0.21	ug/L			11/27/21 16:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/27/21 16:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**3.6**		1.0	0.31	ug/L			11/27/21 16:07	1
1,1-Dichloroethane	**7.3**	**F1**	1.0	0.38	ug/L			11/27/21 16:07	1
1,1-Dichloroethene	**0.62**	**J**	1.0	0.29	ug/L			11/27/21 16:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/27/21 16:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/27/21 16:07	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/27/21 16:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/27/21 16:07	1
1,2-Dichloroethane	ND	F1	1.0	0.21	ug/L			11/27/21 16:07	1
1,2-Dichloropropane	ND	F1	1.0	0.72	ug/L			11/27/21 16:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/27/21 16:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/27/21 16:07	1
2-Hexanone	ND		5.0	1.2	ug/L			11/27/21 16:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/27/21 16:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/27/21 16:07	1
Acetone	ND		10	3.0	ug/L			11/27/21 16:07	1
Benzene	ND	F1	1.0	0.41	ug/L			11/27/21 16:07	1
Bromodichloromethane	ND	*+ F1	1.0	0.39	ug/L			11/27/21 16:07	1
Bromoform	ND		1.0	0.26	ug/L			11/27/21 16:07	1
Bromomethane	ND		1.0	0.69	ug/L			11/27/21 16:07	1
Carbon disulfide	ND	F1	1.0	0.19	ug/L			11/27/21 16:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/27/21 16:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/27/21 16:07	1
Dibromochloromethane	ND	F1	1.0	0.32	ug/L			11/27/21 16:07	1
Chloroethane	ND	*+ F1	1.0	0.32	ug/L			11/27/21 16:07	1
Chloroform	ND		1.0	0.34	ug/L			11/27/21 16:07	1
Chloromethane	ND	F1	1.0	0.35	ug/L			11/27/21 16:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/27/21 16:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/27/21 16:07	1
Cyclohexane	ND		1.0	0.18	ug/L			11/27/21 16:07	1
Dichlorodifluoromethane	ND	F1	1.0	0.68	ug/L			11/27/21 16:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/21 16:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/21 16:07	1
Methyl acetate	ND		2.5	1.3	ug/L			11/27/21 16:07	1
Methyl tert-butyl ether	ND	F1	1.0	0.16	ug/L			11/27/21 16:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/27/21 16:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/27/21 16:07	1
Styrene	ND		1.0	0.73	ug/L			11/27/21 16:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/27/21 16:07	1
Toluene	ND		1.0	0.51	ug/L			11/27/21 16:07	1

Client Sample ID: MW12-14-111921
Lab Sample ID: 480-192674-12
Date Collected: 11/19/21 08:40
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND	F1	1.0	0.90	ug/L			11/27/21 16:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/27/21 16:07	1
Trichloroethene	ND		1.0	0.46	ug/L			11/27/21 16:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/27/21 16:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/27/21 16:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/21 16:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/27/21 16:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*11/27/21 16:07*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*11/27/21 16:07*	*1*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*11/27/21 16:07*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 123*		*11/27/21 16:07*	*1*

Method: 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	**2.5**		0.20	0.10	ug/L		11/22/21 14:21	11/25/21 01:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*43*		*15 - 110*	*11/22/21 14:21*	*11/25/21 01:29*	*1*

Client Sample ID: MW12-02-111921
Lab Sample ID: 480-192674-13
Date Collected: 11/19/21 09:00
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**380**		8.0	6.6	ug/L			11/27/21 16:29	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			11/27/21 16:29	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			11/27/21 16:29	8
1,1,2-Trichloro-1,2,2-trifluoroethane	**38**		8.0	2.5	ug/L			11/27/21 16:29	8
1,1-Dichloroethane	**120**		8.0	3.0	ug/L			11/27/21 16:29	8
1,1-Dichloroethene	**9.4**		8.0	2.3	ug/L			11/27/21 16:29	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			11/27/21 16:29	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			11/27/21 16:29	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			11/27/21 16:29	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			11/27/21 16:29	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			11/27/21 16:29	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			11/27/21 16:29	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			11/27/21 16:29	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			11/27/21 16:29	8
2-Hexanone	ND		40	9.9	ug/L			11/27/21 16:29	8
2-Butanone (MEK)	ND		80	11	ug/L			11/27/21 16:29	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			11/27/21 16:29	8
Acetone	ND		80	24	ug/L			11/27/21 16:29	8
Benzene	ND		8.0	3.3	ug/L			11/27/21 16:29	8
Bromodichloromethane	ND	*+	8.0	3.1	ug/L			11/27/21 16:29	8
Bromoform	ND		8.0	2.1	ug/L			11/27/21 16:29	8
Bromomethane	ND		8.0	5.5	ug/L			11/27/21 16:29	8

Client Sample ID: MW12-02-111921
Lab Sample ID: 480-192674-13
Date Collected: 11/19/21 09:00
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		8.0	1.5	ug/L			11/27/21 16:29	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			11/27/21 16:29	8
Chlorobenzene	ND		8.0	6.0	ug/L			11/27/21 16:29	8
Dibromochloromethane	ND		8.0	2.6	ug/L			11/27/21 16:29	8
Chloroethane	ND	*+	8.0	2.6	ug/L			11/27/21 16:29	8
Chloroform	ND		8.0	2.7	ug/L			11/27/21 16:29	8
Chloromethane	ND		8.0	2.8	ug/L			11/27/21 16:29	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			11/27/21 16:29	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			11/27/21 16:29	8
Cyclohexane	ND		8.0	1.4	ug/L			11/27/21 16:29	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			11/27/21 16:29	8
Ethylbenzene	ND		8.0	5.9	ug/L			11/27/21 16:29	8
Isopropylbenzene	ND		8.0	6.3	ug/L			11/27/21 16:29	8
Methyl acetate	ND		20	10	ug/L			11/27/21 16:29	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			11/27/21 16:29	8
Methylcyclohexane	ND		8.0	1.3	ug/L			11/27/21 16:29	8
Methylene Chloride	ND		8.0	3.5	ug/L			11/27/21 16:29	8
Styrene	ND		8.0	5.8	ug/L			11/27/21 16:29	8
Tetrachloroethene	ND		8.0	2.9	ug/L			11/27/21 16:29	8
Toluene	ND		8.0	4.1	ug/L			11/27/21 16:29	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			11/27/21 16:29	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			11/27/21 16:29	8
Trichloroethene	ND		8.0	3.7	ug/L			11/27/21 16:29	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			11/27/21 16:29	8
Vinyl chloride	ND		8.0	7.2	ug/L			11/27/21 16:29	8
Xylenes, Total	ND		16	5.3	ug/L			11/27/21 16:29	8

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/27/21 16:29*	*8*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*11/27/21 16:29*	*8*
Toluene-d8 (Surr)	*100*		*80 - 120*		*11/27/21 16:29*	*8*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*11/27/21 16:29*	*8*
Dibromofluoromethane (Surr)	*117*		*75 - 123*		*11/27/21 16:29*	*8*

Method: 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	**5.8**		0.20	0.10	ug/L		11/22/21 14:21	11/25/21 05:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*42*		*15 - 110*	*11/22/21 14:21*	*11/25/21 05:47*	*1*

Client Sample ID: MW12-16-111921
Lab Sample ID: 480-192674-14
Date Collected: 11/19/21 09:45
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/27/21 16:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/27/21 16:51	1

Client Sample ID: MW12-16-111921
Lab Sample ID: 480-192674-14

Date Collected: 11/19/21 09:45
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/27/21 16:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/27/21 16:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/27/21 16:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/27/21 16:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/27/21 16:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/27/21 16:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/27/21 16:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/27/21 16:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/27/21 16:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/27/21 16:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/27/21 16:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/27/21 16:51	1
2-Hexanone	ND		5.0	1.2	ug/L			11/27/21 16:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/27/21 16:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/27/21 16:51	1
Acetone	ND		10	3.0	ug/L			11/27/21 16:51	1
Benzene	ND		1.0	0.41	ug/L			11/27/21 16:51	1
Bromodichloromethane	ND	*+	1.0	0.39	ug/L			11/27/21 16:51	1
Bromoform	ND		1.0	0.26	ug/L			11/27/21 16:51	1
Bromomethane	ND		1.0	0.69	ug/L			11/27/21 16:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/27/21 16:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/27/21 16:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/27/21 16:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/27/21 16:51	1
Chloroethane	ND	*+	1.0	0.32	ug/L			11/27/21 16:51	1
Chloroform	ND		1.0	0.34	ug/L			11/27/21 16:51	1
Chloromethane	ND		1.0	0.35	ug/L			11/27/21 16:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/27/21 16:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/27/21 16:51	1
Cyclohexane	ND		1.0	0.18	ug/L			11/27/21 16:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/27/21 16:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/21 16:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/21 16:51	1
Methyl acetate	ND		2.5	1.3	ug/L			11/27/21 16:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/21 16:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/27/21 16:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/27/21 16:51	1
Styrene	ND		1.0	0.73	ug/L			11/27/21 16:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/27/21 16:51	1
Toluene	ND		1.0	0.51	ug/L			11/27/21 16:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/27/21 16:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/27/21 16:51	1
Trichloroethene	ND		1.0	0.46	ug/L			11/27/21 16:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/27/21 16:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/27/21 16:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/21 16:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/27/21 16:51*	*1*

Client Sample ID: MW12-16-111921
Lab Sample ID: 480-192674-14

Date Collected: 11/19/21 09:45
Matrix: Water
Date Received: 11/20/21 00:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*11/27/21 16:51*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*11/27/21 16:51*	*1*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*		*11/27/21 16:51*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*11/27/21 16:51*	*1*

Method: 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	ND		0.20	0.10	ug/L		11/22/21 14:21	11/25/21 06:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*41*		*15 - 110*	*11/22/21 14:21*	*11/25/21 06:10*	*1*

Client Sample ID: MW12-17-111921
Lab Sample ID: 480-192674-15

Date Collected: 11/19/21 10:10
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/27/21 17:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/27/21 17:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/27/21 17:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/27/21 17:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/27/21 17:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/27/21 17:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/27/21 17:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/27/21 17:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/27/21 17:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/27/21 17:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/27/21 17:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/27/21 17:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/27/21 17:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/27/21 17:13	1
2-Hexanone	ND		5.0	1.2	ug/L			11/27/21 17:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/27/21 17:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/27/21 17:13	1
Acetone	**3.8**	**J**	10	3.0	ug/L			11/27/21 17:13	1
Benzene	ND		1.0	0.41	ug/L			11/27/21 17:13	1
Bromodichloromethane	ND	*+	1.0	0.39	ug/L			11/27/21 17:13	1
Bromoform	ND		1.0	0.26	ug/L			11/27/21 17:13	1
Bromomethane	ND		1.0	0.69	ug/L			11/27/21 17:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/27/21 17:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/27/21 17:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/27/21 17:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/27/21 17:13	1
Chloroethane	ND	*+	1.0	0.32	ug/L			11/27/21 17:13	1
Chloroform	ND		1.0	0.34	ug/L			11/27/21 17:13	1
Chloromethane	ND		1.0	0.35	ug/L			11/27/21 17:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/27/21 17:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/27/21 17:13	1
Cyclohexane	ND		1.0	0.18	ug/L			11/27/21 17:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/27/21 17:13	1

Client Sample ID: MW12-17-111921
Lab Sample ID: 480-192674-15
Date Collected: 11/19/21 10:10
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/21 17:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/21 17:13	1
Methyl acetate	ND		2.5	1.3	ug/L			11/27/21 17:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/21 17:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/27/21 17:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/27/21 17:13	1
Styrene	ND		1.0	0.73	ug/L			11/27/21 17:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/27/21 17:13	1
Toluene	ND		1.0	0.51	ug/L			11/27/21 17:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/27/21 17:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/27/21 17:13	1
Trichloroethene	ND		1.0	0.46	ug/L			11/27/21 17:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/27/21 17:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/27/21 17:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/21 17:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*16*	*T J*	*ug/L*		*2.04*			*11/27/21 17:13*	*1*
Unknown	*7.0*	*T J*	*ug/L*		*2.27*			*11/27/21 17:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*11/27/21 17:13*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*11/27/21 17:13*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*11/27/21 17:13*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*11/27/21 17:13*	*1*

Method: 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	ND		1.0	0.50	ug/L		11/22/21 14:21	11/25/21 06:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*35*		*15 - 110*	*11/22/21 14:21*	*11/25/21 06:34*	*1*

Client Sample ID: MW12-28-111921
Lab Sample ID: 480-192674-16
Date Collected: 11/19/21 10:40
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			11/27/21 17:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/27/21 17:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/27/21 17:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/27/21 17:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/27/21 17:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/27/21 17:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/27/21 17:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/27/21 17:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/27/21 17:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/27/21 17:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/27/21 17:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/27/21 17:35	1

Client Sample ID: MW12-28-111921
Lab Sample ID: 480-192674-16

Date Collected: 11/19/21 10:40
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/27/21 17:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/27/21 17:35	1
2-Hexanone	ND		5.0	1.2	ug/L			11/27/21 17:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/27/21 17:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/27/21 17:35	1
Acetone	**4.3**	**J**	10	3.0	ug/L			11/27/21 17:35	1
Benzene	ND		1.0	0.41	ug/L			11/27/21 17:35	1
Bromodichloromethane	ND	*+	1.0	0.39	ug/L			11/27/21 17:35	1
Bromoform	ND		1.0	0.26	ug/L			11/27/21 17:35	1
Bromomethane	ND		1.0	0.69	ug/L			11/27/21 17:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/27/21 17:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/27/21 17:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/27/21 17:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/27/21 17:35	1
Chloroethane	ND	*+	1.0	0.32	ug/L			11/27/21 17:35	1
Chloroform	ND		1.0	0.34	ug/L			11/27/21 17:35	1
Chloromethane	ND		1.0	0.35	ug/L			11/27/21 17:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/27/21 17:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/27/21 17:35	1
Cyclohexane	ND		1.0	0.18	ug/L			11/27/21 17:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/27/21 17:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/21 17:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/21 17:35	1
Methyl acetate	ND		2.5	1.3	ug/L			11/27/21 17:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/21 17:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/27/21 17:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/27/21 17:35	1
Styrene	ND		1.0	0.73	ug/L			11/27/21 17:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/27/21 17:35	1
Toluene	ND		1.0	0.51	ug/L			11/27/21 17:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/27/21 17:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/27/21 17:35	1
Trichloroethene	ND		1.0	0.46	ug/L			11/27/21 17:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/27/21 17:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/27/21 17:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/21 17:35	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Propane	*15*	*T J N*	*ug/L*		*2.04*	*74-98-6*		*11/27/21 17:35*	*1*
Unknown	*8.7*	*T J*	*ug/L*		*2.27*			*11/27/21 17:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*11/27/21 17:35*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/27/21 17:35*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*11/27/21 17:35*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*11/27/21 17:35*	*1*

Method: 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	**0.24**		0.20	0.10	ug/L		11/22/21 14:21	11/25/21 06:58	1

Client Sample ID: MW12-28-111921
Lab Sample ID: 480-192674-16

Date Collected: 11/19/21 10:40
Matrix: Water
Date Received: 11/20/21 00:00

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	36		15 - 110	11/22/21 14:21	11/25/21 06:58	1

Client Sample ID: MW12-12-111921
Lab Sample ID: 480-192674-17

Date Collected: 11/19/21 11:15
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**75**		8.0	6.6	ug/L			11/27/21 17:56	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			11/27/21 17:56	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			11/27/21 17:56	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		8.0	2.5	ug/L			11/27/21 17:56	8
1,1-Dichloroethane	**460**		8.0	3.0	ug/L			11/27/21 17:56	8
1,1-Dichloroethene	ND		8.0	2.3	ug/L			11/27/21 17:56	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			11/27/21 17:56	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			11/27/21 17:56	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			11/27/21 17:56	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			11/27/21 17:56	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			11/27/21 17:56	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			11/27/21 17:56	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			11/27/21 17:56	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			11/27/21 17:56	8
2-Hexanone	ND		40	9.9	ug/L			11/27/21 17:56	8
2-Butanone (MEK)	ND		80	11	ug/L			11/27/21 17:56	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			11/27/21 17:56	8
Acetone	**24**	**J**	80	24	ug/L			11/27/21 17:56	8
Benzene	ND		8.0	3.3	ug/L			11/27/21 17:56	8
Bromodichloromethane	ND	*+	8.0	3.1	ug/L			11/27/21 17:56	8
Bromoform	ND		8.0	2.1	ug/L			11/27/21 17:56	8
Bromomethane	ND		8.0	5.5	ug/L			11/27/21 17:56	8
Carbon disulfide	ND		8.0	1.5	ug/L			11/27/21 17:56	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			11/27/21 17:56	8
Chlorobenzene	ND		8.0	6.0	ug/L			11/27/21 17:56	8
Dibromochloromethane	ND		8.0	2.6	ug/L			11/27/21 17:56	8
Chloroethane	ND	*+	8.0	2.6	ug/L			11/27/21 17:56	8
Chloroform	ND		8.0	2.7	ug/L			11/27/21 17:56	8
Chloromethane	ND		8.0	2.8	ug/L			11/27/21 17:56	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			11/27/21 17:56	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			11/27/21 17:56	8
Cyclohexane	ND		8.0	1.4	ug/L			11/27/21 17:56	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			11/27/21 17:56	8
Ethylbenzene	ND		8.0	5.9	ug/L			11/27/21 17:56	8
Isopropylbenzene	ND		8.0	6.3	ug/L			11/27/21 17:56	8
Methyl acetate	ND		20	10	ug/L			11/27/21 17:56	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			11/27/21 17:56	8
Methylcyclohexane	ND		8.0	1.3	ug/L			11/27/21 17:56	8
Methylene Chloride	ND		8.0	3.5	ug/L			11/27/21 17:56	8
Styrene	ND		8.0	5.8	ug/L			11/27/21 17:56	8
Tetrachloroethene	ND		8.0	2.9	ug/L			11/27/21 17:56	8
Toluene	ND		8.0	4.1	ug/L			11/27/21 17:56	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			11/27/21 17:56	8

Client Sample ID: MW12-12-111921
Lab Sample ID: 480-192674-17
Date Collected: 11/19/21 11:15
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			11/27/21 17:56	8
Trichloroethene	ND		8.0	3.7	ug/L			11/27/21 17:56	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			11/27/21 17:56	8
Vinyl chloride	ND		8.0	7.2	ug/L			11/27/21 17:56	8
Xylenes, Total	ND		16	5.3	ug/L			11/27/21 17:56	8

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/27/21 17:56*	*8*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*77 - 120*		*11/27/21 17:56*	*8*
Toluene-d8 (Surr)	*95*		*80 - 120*		*11/27/21 17:56*	*8*
4-Bromofluorobenzene (Surr)	*81*		*73 - 120*		*11/27/21 17:56*	*8*
Dibromofluoromethane (Surr)	*114*		*75 - 123*		*11/27/21 17:56*	*8*

Method: 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	**810**	**E**	4.0	2.0	ug/L		11/22/21 14:21	11/26/21 16:12	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*40*		*15 - 110*	*11/22/21 14:21*	*11/26/21 16:12*	*20*

Client Sample ID: MW12-04-111921
Lab Sample ID: 480-192674-18
Date Collected: 11/19/21 11:50
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**54**		2.0	1.6	ug/L			11/27/21 18:18	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			11/27/21 18:18	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			11/27/21 18:18	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			11/27/21 18:18	2
1,1-Dichloroethane	**120**		2.0	0.76	ug/L			11/27/21 18:18	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			11/27/21 18:18	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			11/27/21 18:18	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			11/27/21 18:18	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			11/27/21 18:18	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			11/27/21 18:18	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			11/27/21 18:18	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			11/27/21 18:18	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			11/27/21 18:18	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			11/27/21 18:18	2
2-Hexanone	ND		10	2.5	ug/L			11/27/21 18:18	2
2-Butanone (MEK)	ND		20	2.6	ug/L			11/27/21 18:18	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			11/27/21 18:18	2
Acetone	ND		20	6.0	ug/L			11/27/21 18:18	2
Benzene	ND		2.0	0.82	ug/L			11/27/21 18:18	2
Bromodichloromethane	ND	*+	2.0	0.78	ug/L			11/27/21 18:18	2
Bromoform	ND		2.0	0.52	ug/L			11/27/21 18:18	2
Bromomethane	ND		2.0	1.4	ug/L			11/27/21 18:18	2
Carbon disulfide	ND		2.0	0.38	ug/L			11/27/21 18:18	2

Client Sample ID: MW12-04-111921
Lab Sample ID: 480-192674-18
Date Collected: 11/19/21 11:50
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		2.0	0.54	ug/L			11/27/21 18:18	2
Chlorobenzene	ND		2.0	1.5	ug/L			11/27/21 18:18	2
Dibromochloromethane	ND		2.0	0.64	ug/L			11/27/21 18:18	2
Chloroethane	**31**	*+	2.0	0.64	ug/L			11/27/21 18:18	2
Chloroform	ND		2.0	0.68	ug/L			11/27/21 18:18	2
Chloromethane	ND		2.0	0.70	ug/L			11/27/21 18:18	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			11/27/21 18:18	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			11/27/21 18:18	2
Cyclohexane	ND		2.0	0.36	ug/L			11/27/21 18:18	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			11/27/21 18:18	2
Ethylbenzene	ND		2.0	1.5	ug/L			11/27/21 18:18	2
Isopropylbenzene	ND		2.0	1.6	ug/L			11/27/21 18:18	2
Methyl acetate	ND		5.0	2.6	ug/L			11/27/21 18:18	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			11/27/21 18:18	2
Methylcyclohexane	ND		2.0	0.32	ug/L			11/27/21 18:18	2
Methylene Chloride	ND		2.0	0.88	ug/L			11/27/21 18:18	2
Styrene	ND		2.0	1.5	ug/L			11/27/21 18:18	2
Tetrachloroethene	ND		2.0	0.72	ug/L			11/27/21 18:18	2
Toluene	ND		2.0	1.0	ug/L			11/27/21 18:18	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			11/27/21 18:18	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			11/27/21 18:18	2
Trichloroethene	ND		2.0	0.92	ug/L			11/27/21 18:18	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			11/27/21 18:18	2
Vinyl chloride	ND		2.0	1.8	ug/L			11/27/21 18:18	2
Xylenes, Total	ND		4.0	1.3	ug/L			11/27/21 18:18	2

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/27/21 18:18*	*2*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*11/27/21 18:18*	*2*
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/27/21 18:18*	*2*
4-Bromofluorobenzene (Surr)	*84*		*73 - 120*		*11/27/21 18:18*	*2*
Dibromofluoromethane (Surr)	*116*		*75 - 123*		*11/27/21 18:18*	*2*

Method: 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	**72**		1.0	0.50	ug/L		11/22/21 14:21	11/26/21 16:36	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*42*		*15 - 110*	*11/22/21 14:21*	*11/26/21 16:36*	*5*

Client Sample ID: MW12-08-111921
Lab Sample ID: 480-192674-19
Date Collected: 11/19/21 12:15
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**4.0**		1.0	0.82	ug/L			11/27/21 18:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/27/21 18:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/27/21 18:41	1

Client Sample ID: MW12-08-111921
Lab Sample ID: 480-192674-19

Date Collected: 11/19/21 12:15
Matrix: Water

Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/27/21 18:41	1
1,1-Dichloroethane	**7.0**		1.0	0.38	ug/L			11/27/21 18:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/27/21 18:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/27/21 18:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/27/21 18:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/27/21 18:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/27/21 18:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/27/21 18:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/27/21 18:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/27/21 18:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/27/21 18:41	1
2-Hexanone	ND		5.0	1.2	ug/L			11/27/21 18:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/27/21 18:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/27/21 18:41	1
Acetone	ND		10	3.0	ug/L			11/27/21 18:41	1
Benzene	ND		1.0	0.41	ug/L			11/27/21 18:41	1
Bromodichloromethane	ND	*+	1.0	0.39	ug/L			11/27/21 18:41	1
Bromoform	ND		1.0	0.26	ug/L			11/27/21 18:41	1
Bromomethane	ND		1.0	0.69	ug/L			11/27/21 18:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/27/21 18:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/27/21 18:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/27/21 18:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/27/21 18:41	1
Chloroethane	ND	*+	1.0	0.32	ug/L			11/27/21 18:41	1
Chloroform	ND		1.0	0.34	ug/L			11/27/21 18:41	1
Chloromethane	ND		1.0	0.35	ug/L			11/27/21 18:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/27/21 18:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/27/21 18:41	1
Cyclohexane	ND		1.0	0.18	ug/L			11/27/21 18:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/27/21 18:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/27/21 18:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/27/21 18:41	1
Methyl acetate	ND		2.5	1.3	ug/L			11/27/21 18:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/27/21 18:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/27/21 18:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/27/21 18:41	1
Styrene	ND		1.0	0.73	ug/L			11/27/21 18:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/27/21 18:41	1
Toluene	ND		1.0	0.51	ug/L			11/27/21 18:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/27/21 18:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/27/21 18:41	1
Trichloroethene	ND		1.0	0.46	ug/L			11/27/21 18:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/27/21 18:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/27/21 18:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/27/21 18:41	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/27/21 18:41*	*1*

Client Sample ID: MW12-08-111921
Lab Sample ID: 480-192674-19
Date Collected: 11/19/21 12:15
Matrix: Water
Date Received: 11/20/21 00:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 120*		*11/27/21 18:41*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*11/27/21 18:41*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*11/27/21 18:41*	*1*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*11/27/21 18:41*	*1*

Method: 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	**0.64**		0.20	0.10	ug/L		11/22/21 14:21	11/25/21 08:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*43*		*15 - 110*	*11/22/21 14:21*	*11/25/21 08:08*	*1*

Client Sample ID: X-2-111921
Lab Sample ID: 480-192674-20
Date Collected: 11/19/21 00:00
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**430**		8.0	6.6	ug/L			11/27/21 19:03	8
1,1,2,2-Tetrachloroethane	ND		8.0	1.7	ug/L			11/27/21 19:03	8
1,1,2-Trichloroethane	ND		8.0	1.8	ug/L			11/27/21 19:03	8
1,1,2-Trichloro-1,2,2-trifluoroethane	**44**		8.0	2.5	ug/L			11/27/21 19:03	8
1,1-Dichloroethane	**130**		8.0	3.0	ug/L			11/27/21 19:03	8
1,1-Dichloroethene	**11**		8.0	2.3	ug/L			11/27/21 19:03	8
1,2,4-Trichlorobenzene	ND		8.0	3.3	ug/L			11/27/21 19:03	8
1,2-Dibromo-3-Chloropropane	ND		8.0	3.1	ug/L			11/27/21 19:03	8
1,2-Dibromoethane	ND		8.0	5.8	ug/L			11/27/21 19:03	8
1,2-Dichlorobenzene	ND		8.0	6.3	ug/L			11/27/21 19:03	8
1,2-Dichloroethane	ND		8.0	1.7	ug/L			11/27/21 19:03	8
1,2-Dichloropropane	ND		8.0	5.8	ug/L			11/27/21 19:03	8
1,3-Dichlorobenzene	ND		8.0	6.2	ug/L			11/27/21 19:03	8
1,4-Dichlorobenzene	ND		8.0	6.7	ug/L			11/27/21 19:03	8
2-Hexanone	ND		40	9.9	ug/L			11/27/21 19:03	8
2-Butanone (MEK)	ND		80	11	ug/L			11/27/21 19:03	8
4-Methyl-2-pentanone (MIBK)	ND		40	17	ug/L			11/27/21 19:03	8
Acetone	ND		80	24	ug/L			11/27/21 19:03	8
Benzene	ND		8.0	3.3	ug/L			11/27/21 19:03	8
Bromodichloromethane	ND	*+	8.0	3.1	ug/L			11/27/21 19:03	8
Bromoform	ND		8.0	2.1	ug/L			11/27/21 19:03	8
Bromomethane	ND		8.0	5.5	ug/L			11/27/21 19:03	8
Carbon disulfide	ND		8.0	1.5	ug/L			11/27/21 19:03	8
Carbon tetrachloride	ND		8.0	2.2	ug/L			11/27/21 19:03	8
Chlorobenzene	ND		8.0	6.0	ug/L			11/27/21 19:03	8
Dibromochloromethane	ND		8.0	2.6	ug/L			11/27/21 19:03	8
Chloroethane	ND	*+	8.0	2.6	ug/L			11/27/21 19:03	8
Chloroform	ND		8.0	2.7	ug/L			11/27/21 19:03	8
Chloromethane	ND		8.0	2.8	ug/L			11/27/21 19:03	8
cis-1,2-Dichloroethene	ND		8.0	6.5	ug/L			11/27/21 19:03	8
cis-1,3-Dichloropropene	ND		8.0	2.9	ug/L			11/27/21 19:03	8
Cyclohexane	ND		8.0	1.4	ug/L			11/27/21 19:03	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			11/27/21 19:03	8

Client Sample ID: X-2-111921
Lab Sample ID: 480-192674-20

Date Collected: 11/19/21 00:00
Matrix: Water
Date Received: 11/20/21 00:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		8.0	5.9	ug/L			11/27/21 19:03	8
Isopropylbenzene	ND		8.0	6.3	ug/L			11/27/21 19:03	8
Methyl acetate	ND		20	10	ug/L			11/27/21 19:03	8
Methyl tert-butyl ether	ND		8.0	1.3	ug/L			11/27/21 19:03	8
Methylcyclohexane	ND		8.0	1.3	ug/L			11/27/21 19:03	8
Methylene Chloride	ND		8.0	3.5	ug/L			11/27/21 19:03	8
Styrene	ND		8.0	5.8	ug/L			11/27/21 19:03	8
Tetrachloroethene	ND		8.0	2.9	ug/L			11/27/21 19:03	8
Toluene	ND		8.0	4.1	ug/L			11/27/21 19:03	8
trans-1,2-Dichloroethene	ND		8.0	7.2	ug/L			11/27/21 19:03	8
trans-1,3-Dichloropropene	ND		8.0	3.0	ug/L			11/27/21 19:03	8
Trichloroethene	ND		8.0	3.7	ug/L			11/27/21 19:03	8
Trichlorofluoromethane	ND		8.0	7.0	ug/L			11/27/21 19:03	8
Vinyl chloride	ND		8.0	7.2	ug/L			11/27/21 19:03	8
Xylenes, Total	ND		16	5.3	ug/L			11/27/21 19:03	8

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*11/27/21 19:03*	*8*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*11/27/21 19:03*	*8*
Toluene-d8 (Surr)	*102*		*80 - 120*		*11/27/21 19:03*	*8*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*11/27/21 19:03*	*8*
Dibromofluoromethane (Surr)	*118*		*75 - 123*		*11/27/21 19:03*	*8*

Method: 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	**6.4**		0.20	0.10	ug/L		11/22/21 14:21	11/25/21 08:31	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*47*		*15 - 110*	*11/22/21 14:21*	*11/25/21 08:31*	*1*

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192674-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L15846.D

Lab ID: LCS 480-606717/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	26.8	107	73-126	
1,1,2,2-Tetrachloroethane	25.0	26.0	104	76-120	
1,1,2-Trichloroethane	25.0	26.2	105	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.8	99	61-148	
1,1-Dichloroethane	25.0	28.6	114	77-120	
1,1-Dichloroethene	25.0	25.3	101	66-127	
1,2,4-Trichlorobenzene	25.0	21.7	87	79-122	
1,2-Dibromo-3-Chloropropane	25.0	21.9	88	56-134	
1,2-Dibromoethane	25.0	25.8	103	77-120	
1,2-Dichlorobenzene	25.0	23.5	94	80-124	
1,2-Dichloroethane	25.0	26.8	107	75-120	
1,2-Dichloropropane	25.0	29.2	117	76-120	
1,3-Dichlorobenzene	25.0	23.9	96	77-120	
1,4-Dichlorobenzene	25.0	23.8	95	80-120	
2-Hexanone	125	139	111	65-127	
2-Butanone (MEK)	125	140	112	57-140	
4-Methyl-2-pentanone (MIBK)	125	131	105	71-125	
Acetone	125	145	116	56-142	
Benzene	25.0	28.3	113	71-124	
Bromodichloromethane	25.0	30.7	123	80-122	*+
Bromoform	25.0	29.4	118	61-132	
Bromomethane	25.0	22.5	90	55-144	
Carbon disulfide	25.0	32.0	128	59-134	
Carbon tetrachloride	25.0	27.7	111	72-134	
Chlorobenzene	25.0	24.7	99	80-120	
Dibromochloromethane	25.0	31.4	125	75-125	
Chloroethane	25.0	34.2	137	69-136	*+
Chloroform	25.0	26.5	106	73-127	
Chloromethane	25.0	26.4	106	68-124	
cis-1,2-Dichloroethene	25.0	26.8	107	74-124	
cis-1,3-Dichloropropene	25.0	26.0	104	74-124	
Cyclohexane	25.0	24.9	100	59-135	
Dichlorodifluoromethane	25.0	25.0	100	59-135	
Ethylbenzene	25.0	25.3	101	77-123	
Isopropylbenzene	25.0	24.3	97	77-122	
Methyl acetate	50.0	52.2	104	74-133	
Methyl tert-butyl ether	25.0	28.3	113	77-120	
Methylcyclohexane	25.0	23.8	95	68-134	
Methylene Chloride	25.0	26.9	108	75-124	
Styrene	25.0	25.1	100	80-120	
Tetrachloroethene	25.0	24.4	98	74-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192674-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L15871.D

Lab ID: 480-192674-12 MS Client ID: MW12-14-111921 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	66	98.5	131	73-126	F1
1,1,2,2-Tetrachloroethane	25.0	ND	28.5	114	76-120	
1,1,2-Trichloroethane	25.0	ND	29.0	116	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	3.6	34.5	123	61-148	
1,1-Dichloroethane	25.0	7.3	41.3	136	77-120	F1
1,1-Dichloroethene	25.0	0.62 J	30.3	119	66-127	
1,2,4-Trichlorobenzene	25.0	ND	21.6	86	79-122	
1,2-Dibromo-3-Chloropropane	25.0	ND	22.6	90	56-134	
1,2-Dibromoethane	25.0	ND	27.3	109	77-120	
1,2-Dichlorobenzene	25.0	ND	25.1	101	80-124	
1,2-Dichloroethane	25.0	ND	29.9	120	75-120	
1,2-Dichloropropane	25.0	ND	32.7	131	76-120	F1
1,3-Dichlorobenzene	25.0	ND	25.6	102	77-120	
1,4-Dichlorobenzene	25.0	ND	25.0	100	78-124	
2-Hexanone	125	ND	156	125	65-127	
2-Butanone (MEK)	125	ND	145	116	57-140	
4-Methyl-2-pentanone (MIBK)	125	ND	151	121	71-125	
Acetone	125	ND	128	102	56-142	
Benzene	25.0	ND	32.5	130	71-124	F1
Bromodichloromethane	25.0	ND	33.0	132	80-122	F1
Bromoform	25.0	ND	28.1	112	61-132	
Bromomethane	25.0	ND	32.2	129	55-144	
Carbon disulfide	25.0	ND	33.9	136	59-134	F1
Carbon tetrachloride	25.0	ND	32.8	131	72-134	
Chlorobenzene	25.0	ND	27.7	111	80-120	
Dibromochloromethane	25.0	ND	31.5	126	75-125	F1
Chloroethane	25.0	ND	36.0	144	69-136	F1
Chloroform	25.0	ND	30.3	121	73-127	
Chloromethane	25.0	ND	32.7	131	68-124	F1
cis-1,2-Dichloroethene	25.0	ND	29.7	119	74-124	
cis-1,3-Dichloropropene	25.0	ND	25.1	100	74-124	
Cyclohexane	25.0	ND	32.0	128	59-135	
Dichlorodifluoromethane	25.0	ND	33.6	134	59-135	
Ethylbenzene	25.0	ND	28.9	116	77-123	
Isopropylbenzene	25.0	ND	26.6	106	77-122	
Methyl acetate	50.0	ND	54.4	109	74-133	
Methyl tert-butyl ether	25.0	ND	28.6	114	77-120	
Methylcyclohexane	25.0	ND	28.9	116	68-134	
Methylene Chloride	25.0	ND	29.7	119	75-124	
Styrene	25.0	ND	27.3	109	80-120	
Tetrachloroethene	25.0	ND	27.6	111	74-122	

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 TestAmerica, Buffalo Job No.: 480-192674-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L15872.D

Lab ID: 480-192674-12 MSD Client ID: MW12-14-111921 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	102	144	3	15	73-126	E F1
1,1,2,2-Tetrachloroethane	25.0	31.5	126	10	15	76-120	F1
1,1,2-Trichloroethane	25.0	29.8	119	3	15	76-122	
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	34.3	123	1	20	61-148	
1,1-Dichloroethane	25.0	41.5	137	0	20	77-120	F1
1,1-Dichloroethene	25.0	31.4	123	4	16	66-127	
1,2,4-Trichlorobenzene	25.0	23.7	95	10	20	79-122	
1,2-Dibromo-3-Chloropropane	25.0	24.9	100	10	15	56-134	
1,2-Dibromoethane	25.0	28.8	115	5	15	77-120	
1,2-Dichlorobenzene	25.0	26.9	108	7	20	80-124	
1,2-Dichloroethane	25.0	30.3	121	1	20	75-120	F1
1,2-Dichloropropane	25.0	33.3	133	2	20	76-120	F1
1,3-Dichlorobenzene	25.0	27.7	111	8	20	77-120	
1,4-Dichlorobenzene	25.0	27.1	108	8	20	78-124	
2-Hexanone	125	158	127	2	15	65-127	
2-Butanone (MEK)	125	150	120	3	20	57-140	
4-Methyl-2-pentanone (MIBK)	125	153	123	2	35	71-125	
Acetone	125	135	108	5	15	56-142	
Benzene	25.0	32.7	131	1	13	71-124	F1
Bromodichloromethane	25.0	34.0	136	3	15	80-122	F1
Bromoform	25.0	29.7	119	6	15	61-132	
Bromomethane	25.0	33.2	133	3	15	55-144	
Carbon disulfide	25.0	36.0	144	6	15	59-134	F1
Carbon tetrachloride	25.0	33.6	134	2	15	72-134	
Chlorobenzene	25.0	28.2	113	2	25	80-120	
Dibromochloromethane	25.0	33.5	134	6	15	75-125	F1
Chloroethane	25.0	35.2	141	2	15	69-136	F1
Chloroform	25.0	30.3	121	0	20	73-127	
Chloromethane	25.0	33.2	133	1	15	68-124	F1
cis-1,2-Dichloroethene	25.0	30.3	121	2	15	74-124	
cis-1,3-Dichloropropene	25.0	26.7	107	6	15	74-124	
Cyclohexane	25.0	32.2	129	1	20	59-135	
Dichlorodifluoromethane	25.0	33.9	136	1	20	59-135	F1
Ethylbenzene	25.0	29.3	117	1	15	77-123	
Isopropylbenzene	25.0	29.0	116	9	20	77-122	
Methyl acetate	50.0	57.2	114	5	20	74-133	
Methyl tert-butyl ether	25.0	30.5	122	6	37	77-120	F1
Methylcyclohexane	25.0	29.5	118	2	20	68-134	
Methylene Chloride	25.0	30.2	121	2	15	75-124	
Styrene	25.0	27.7	111	2	20	80-120	
Tetrachloroethene	25.0	28.3	113	2	20	74-122	

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 TestAmerica, Buffalo Job No.: 480-192674-1

SDG No.:

Matrix: Water Level: Low Lab File ID: L15872.D

Lab ID: 480-192674-12 MSD Client ID: MW12-14-111921 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toluene	25.0	29.1	116	1	15	80-122	
trans-1,2-Dichloroethene	25.0	31.9	128	2	20	73-127	F1
trans-1,3-Dichloropropene	25.0	27.0	108	4	15	80-120	
Trichloroethene	25.0	30.0	120	3	16	74-123	
Trichlorofluoromethane	25.0	35.3	141	2	20	62-150	
Vinyl chloride	25.0	31.5	126	1	15	65-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192674-1 Analy Batch No.: 604142

SDG No.:

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2021 18:01 Calibration End Date: 11/09/2021 20:34 Calibration ID: 42693

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	1.8132 2.0178	2.0753 2.1760	1.8769 2.3026	2.1184	2.1724	Ave		2.0691				7.8		20.0			
Carbon disulfide	+++++ 2.2035	1.5942 2.8817	1.4166 +++++	1.7657	2.0933	Ave		1.9925			0.1000	26.4	*	20.0			
Allyl chloride	1.5644 1.5263	1.7264 1.6382	1.4623 1.7248	1.6014	1.6251	Ave		1.6086				5.7		20.0			
Methyl acetate	1.4765 1.1387	1.3146 1.1819	1.1837 1.1789	1.1760	1.1635	Ave		1.2267			0.1000	9.3		20.0			
Methylene Chloride	1.5077 1.3271	1.4959 1.3852	1.3054 1.4676	1.4238	1.4235	Lin1	-0.012	1.4238			0.1000	6.1			0.9990		0.9900
2-Methyl-2-propanol	0.1988 0.2345	0.2091 0.2443	0.2130 0.2354	0.2278	0.2261	Ave		0.2236				6.9		20.0			
Methyl tert-butyl ether	3.6269 3.9341	3.8182 4.0530	3.5340 4.2564	4.0104	4.0703	Ave		3.9129			0.1000	6.2		20.0			
trans-1,2-Dichloroethene	1.1338 1.3365	1.3209 1.4580	1.2221 1.5385	1.3719	1.4286	Ave		1.3513			0.1000	9.6		20.0			
Acrylonitrile	0.5359 0.6034	0.5909 0.6226	0.5537 0.6158	0.6064	0.6058	Ave		0.5918				5.2		20.0			
Hexane	+++++ 1.5431	1.6541 1.7337	1.2470 1.7574	1.4650	1.6220	Ave		1.5746				11.2		20.0			
1,1-Dichloroethane	1.9408 2.1752	2.1449 2.3008	1.9759 2.4157	2.2226	2.2719	Ave		2.1810			0.2000	7.4		20.0			
Vinyl acetate	2.5624 2.8284	2.6320 2.9209	2.4539 2.9061	2.6571	2.7200	Ave		2.7101				6.1		20.0			
2,2-Dichloropropane	+++++ 1.3330	1.3536 1.4546	1.1340 1.5828	1.3838	1.4718	Ave		1.3876				10.1		20.0			
cis-1,2-Dichloroethene	1.3581 1.5112	1.7435 1.6079	1.4182 1.7148	1.5475	1.5898	Ave		1.5614			0.1000	8.5		20.0			
2-Butanone (MEK)	0.9294 0.8430	0.9460 0.8726	0.8222 0.8274	0.8381	0.8006	Ave		0.8599			0.1000	6.1		20.0			
Chlorobromomethane	0.6984 0.8078	0.7827 0.8440	0.7213 0.8907	0.8074	0.8380	Ave		0.7988				8.0		20.0			
Tetrahydrofuran	0.5134 0.5313	0.5613 0.5416	0.5109 0.5253	0.5358	0.5196	Ave		0.5299				3.1		20.0			
Chloroform	2.7620 2.3909	2.6166 2.4720	2.2974 2.5586	2.5231	2.5250	Ave		2.5182			0.2000	5.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192674-1 Analy Batch No.: 604142

SDG No.:

Instrument ID: HP5977L GC Column: ZB-624 (30) ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/09/2021 18:01 Calibration End Date: 11/09/2021 20:34 Calibration ID: 42693

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethyl methacrylate	0.5409 0.4880	0.5158 0.5075	0.4434 0.4970	0.4864	0.4653	Ave		0.4930				6.1		20.0			
trans-1,3-Dichloropropene	0.3396 0.4881	0.3863 0.5248	0.3656 +++++	0.4336	0.4423	Lin1	-0.1277	0.5051			0.1000	16.5			0.9960		0.9900
1,1,2-Trichloroethane	0.2575 0.2546	0.2690 0.2609	0.2471 0.2598	0.2700	0.2543	Ave		0.2591			0.1000	3.0		20.0			
Tetrachloroethene	0.2821 0.3642	0.3712 0.3941	0.3218 0.3977	0.3815	0.3884	Ave		0.3626			0.2000	11.2		20.0			
1,3-Dichloropropane	0.4538 0.5338	0.5378 0.5535	0.4904 0.5504	0.5430	0.5189	Ave		0.5227				6.6		20.0			
2-Hexanone	0.2737 0.2907	0.2938 0.2919	0.2753 0.2601	0.2989	0.2715	Ave		0.2820			0.1000	4.8		20.0			
Dibromochloromethane	0.1397 0.2787	0.1878 0.3207	0.1950 +++++	0.2306	0.2441	Ave		0.2281			0.1000	26.5	*	20.0			
1,2-Dibromoethane	0.2773 0.3392	0.3216 0.3507	0.2999 0.3451	0.3365	0.3288	Ave		0.3249				7.7		20.0			
Chlorobenzene	0.9012 0.9451	0.9933 0.9825	0.8951 0.9899	0.9981	0.9656	Ave		0.9588			0.5000	4.3		20.0			
Ethylbenzene	1.3920 1.5421	1.5789 1.6295	1.3794 1.6212	1.5894	1.5908	Ave		1.5404			0.1000	6.4		20.0			
1,1,1,2-Tetrachloroethane	0.2413 0.3323	0.2650 0.3550	0.2599 0.3761	0.3165	0.3331	Ave		0.3099				15.8		20.0			
m,p-Xylene	0.5268 0.6172	0.6088 0.6447	0.5456 0.6451	0.6368	0.6315	Ave		0.6070			0.1000	7.5		20.0			
o-Xylene	0.5646 0.6188	0.5942 0.6502	0.5562 0.6730	0.6348	0.6461	Ave		0.6172			0.3000	6.8		20.0			
Styrene	0.8914 1.0468	0.9852 1.1072	0.9138 1.1144	1.0526	1.0279	Ave		1.0174			0.3000	8.1		20.0			
Bromoform	+++++ 0.1838	0.1155 0.2218	0.1168 +++++	0.1423	0.1534	Ave		0.1556			0.1000	26.5	*	20.0			
Isopropylbenzene	2.3521 2.7164	2.6903 3.0856	2.3978 3.0815	3.0246	2.8861	Ave		2.7793			0.1000	10.5		20.0			
1,1,2,2-Tetrachloroethane	0.7842 0.8326	0.7890 0.9100	0.7416 0.8916	0.9003	0.8291	Ave		0.8348			0.3000	7.4		20.0			
Bromobenzene	0.6964 0.7111	0.7109 0.7861	0.6706 0.7937	0.8197	0.7262	Ave		0.7394				7.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192674-1

SDG No.:

Lab Sample ID: ICV 480-604142/26 Calibration Date: 11/10/2021 01:42

Instrument ID: HP5977L Calib Start Date: 11/09/2021 18:01

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 11/09/2021 20:34

Lab File ID: L14956.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	Ave	2.201	1.997	0.1000	22.7	25.0	-9.3	30.0
1,2-Dichloropropane	Ave	1.136	1.114	0.1000	24.5	25.0	-1.9	30.0
1,4-Dioxane	Lin1		0.0041		481	500	-3.8	50.0
Dibromomethane	Ave	0.9001	0.8880	0.1000	24.7	25.0	-1.3	30.0
Bromodichloromethane	Ave	1.408	1.528	0.2000	27.1	25.0	8.5	30.0
2-Chloroethyl vinyl ether	Ave	0.8350	0.8415		25.2	25.0	0.8	30.0
cis-1,3-Dichloropropene	Lin1		1.944	0.2000	23.3	25.0	-6.9	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3977	0.3719	0.1000	117	125	-6.5	30.0
Toluene	Ave	0.8355	0.8013	0.4000	24.0	25.0	-4.1	30.0
Ethyl methacrylate	Ave	0.4930	0.4584		23.2	25.0	-7.0	30.0
trans-1,3-Dichloropropene	Lin1		0.4584	0.1000	22.9	25.0	-8.2	30.0
1,1,2-Trichloroethane	Ave	0.2591	0.2424	0.1000	23.4	25.0	-6.4	30.0
Tetrachloroethene	Ave	0.3626	0.3517	0.2000	24.2	25.0	-3.0	30.0
1,3-Dichloropropane	Ave	0.5227	0.5048		24.1	25.0	-3.4	30.0
2-Hexanone	Ave	0.2820	0.2674	0.1000	119	125	-5.2	30.0
Dibromochloromethane	Ave	0.2281	0.2796	0.1000	30.6	25.0	22.6	30.0
1,2-Dibromoethane	Ave	0.3249	0.3206		24.7	25.0	-1.3	30.0
Chlorobenzene	Ave	0.9588	0.9070	0.5000	23.6	25.0	-5.4	30.0
Ethylbenzene	Ave	1.540	1.482	0.1000	24.1	25.0	-3.8	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3099	0.3205		25.9	25.0	3.4	30.0
m,p-Xylene	Ave	0.6070	0.5929	0.1000	24.4	25.0	-2.3	30.0
o-Xylene	Ave	0.6172	0.5913	0.3000	24.0	25.0	-4.2	30.0
Styrene	Ave	1.017	1.004	0.3000	24.7	25.0	-1.3	30.0
Bromoform	Ave	0.1556	0.1874	0.1000	30.1	25.0	20.4	50.0
Isopropylbenzene	Ave	2.779	2.716	0.1000	24.4	25.0	-2.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8348	0.8073	0.3000	24.2	25.0	-3.3	30.0
Bromobenzene	Ave	0.7394	0.7139		24.1	25.0	-3.4	30.0
N-Propylbenzene	Ave	3.220	3.132		24.3	25.0	-2.7	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2120	0.2133		25.1	25.0	0.6	50.0
1,2,3-Trichloropropane	Ave	0.2909	0.2794		24.0	25.0	-4.0	30.0
2-Chlorotoluene	Ave	0.6951	0.6745		24.3	25.0	-3.0	30.0
1,3,5-Trimethylbenzene	Ave	2.375	2.324		24.5	25.0	-2.1	30.0
4-Chlorotoluene	Ave	2.012	1.913		23.8	25.0	-4.9	30.0
tert-Butylbenzene	Ave	0.5399	0.5234		24.2	25.0	-3.1	30.0
1,2,4-Trimethylbenzene	Ave	2.450	2.369		24.2	25.0	-3.3	30.0
sec-Butylbenzene	Ave	3.036	2.903		23.9	25.0	-4.4	30.0
4-Isopropyltoluene	Ave	2.636	2.594		24.6	25.0	-1.6	30.0
1,3-Dichlorobenzene	Ave	1.456	1.374	0.6000	23.6	25.0	-5.6	30.0
1,4-Dichlorobenzene	Ave	1.500	1.396	0.5000	23.3	25.0	-6.9	30.0
n-Butylbenzene	Ave	2.367	2.242		23.7	25.0	-5.3	30.0
1,2-Dichlorobenzene	Ave	1.442	1.338	0.4000	23.2	25.0	-7.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192674-1

SDG No.:

Lab Sample ID: CCVIS 480-606717/2 Calibration Date: 11/27/2021 09:18

Instrument ID: HP5977L Calib Start Date: 11/09/2021 18:01

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 11/09/2021 20:34

Lab File ID: L15844.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
Dichlorodifluoromethane	Ave	1.095	1.168	0.1000	26.7	25.0	6.7	50.0
Chloromethane	Ave	1.333	1.531	0.1000	28.7	25.0	14.9	20.0
Vinyl chloride	Ave	1.413	1.601	0.1000	28.3	25.0	13.3	20.0
Butadiene	Ave	1.279	1.389		27.2	25.0	8.6	20.0
Bromomethane	Ave	0.7466	0.5569	0.1000	18.6	25.0	-25.4	50.0
Chloroethane	Ave	0.5594	0.5937	0.1000	26.5	25.0	6.1	50.0
Dichlorofluoromethane	Ave	2.385	2.717		28.5	25.0	13.9	20.0
Trichlorofluoromethane	Ave	2.124	2.292	0.1000	27.0	25.0	7.9	20.0
Ethyl ether	Ave	1.173	1.334		28.4	25.0	13.7	20.0
Acrolein	Ave	0.0612	0.0559		114	125	-8.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	1.103	1.141	0.1000	25.9	25.0	3.5	20.0
1,1-Dichloroethene	Ave	1.123	1.172	0.1000	26.1	25.0	4.3	20.0
Acetone	Ave	0.5774	0.6740	0.1000	146	125	16.7	50.0
Iodomethane	Ave	2.069	2.093		25.3	25.0	1.2	20.0
Carbon disulfide	Ave	1.993	2.608	0.1000	32.7	25.0	30.9*	20.0
Allyl chloride	Ave	1.609	1.743		27.1	25.0	8.3	20.0
Methyl acetate	Ave	1.227	1.278	0.1000	52.1	50.0	4.2	50.0
Methylene Chloride	Lin1		1.575	0.1000	27.7	25.0	10.7	20.0
2-Methyl-2-propanol	Ave	0.2236	0.2461		275	250	10.0	50.0
Methyl tert-butyl ether	Ave	3.913	4.351	0.1000	27.8	25.0	11.2	20.0
trans-1,2-Dichloroethene	Ave	1.351	1.530	0.1000	28.3	25.0	13.3	20.0
Acrylonitrile	Ave	0.5918	0.6704		283	250	13.3	20.0
Hexane	Ave	1.575	1.637		26.0	25.0	3.9	20.0
1,1-Dichloroethane	Ave	2.181	2.600	0.2000	29.8	25.0	19.2	20.0
Vinyl acetate	Ave	2.710	3.163		58.4	50.0	16.7	20.0
2,2-Dichloropropane	Ave	1.388	1.651		29.7	25.0	19.0	20.0
cis-1,2-Dichloroethene	Ave	1.561	1.716	0.1000	27.5	25.0	9.9	20.0
2-Butanone (MEK)	Ave	0.8599	0.9583	0.1000	139	125	11.4	20.0
Chlorobromomethane	Ave	0.7988	0.8827		27.6	25.0	10.5	20.0
Tetrahydrofuran	Ave	0.5299	0.5496		51.9	50.0	3.7	20.0
Chloroform	Ave	2.518	2.770	0.2000	27.5	25.0	10.0	20.0
1,1,1-Trichloroethane	Ave	1.991	2.200	0.1000	27.6	25.0	10.5	20.0
Cyclohexane	Ave	1.799	1.889	0.1000	26.3	25.0	5.0	20.0
1,1-Dichloropropene	Ave	1.762	1.940		27.5	25.0	10.1	20.0
Carbon tetrachloride	Ave	1.541	1.723	0.1000	27.9	25.0	11.8	20.0
Isobutyl alcohol	Ave	0.0923	0.1048		710	625	13.5	50.0
Benzene	Ave	5.129	6.002	0.5000	29.3	25.0	17.0	20.0
1,2-Dichloroethane	Ave	1.950	2.151	0.1000	27.6	25.0	10.3	20.0
n-Heptane	Ave	1.443	1.520		26.3	25.0	5.3	20.0
Trichloroethene	Ave	1.388	1.496	0.2000	26.9	25.0	7.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192674-1

SDG No.:

Lab Sample ID: CCVIS 480-606717/2 Calibration Date: 11/27/2021 09:18

Instrument ID: HP5977L Calib Start Date: 11/09/2021 18:01

GC Column: ZB-624 (30) VOA ID: 0.25(mm) Calib End Date: 11/09/2021 20:34

Lab File ID: L15844.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	Ave	2.201	2.177	0.1000	24.7	25.0	-1.1	20.0
1,2-Dichloropropane	Ave	1.136	1.373	0.1000	30.2	25.0	20.8*	20.0
1,4-Dioxane	Lin1		0.0059		680	500	36.1	50.0
Dibromomethane	Ave	0.9001	1.008	0.1000	28.0	25.0	12.0	20.0
Bromodichloromethane	Ave	1.408	1.695	0.2000	30.1	25.0	20.3*	20.0
2-Chloroethyl vinyl ether	Ave	0.8350	0.6723		20.1	25.0	-19.5	20.0
cis-1,3-Dichloropropene	Lin1		2.149	0.2000	25.7	25.0	2.8	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3977	0.4256	0.1000	134	125	7.0	20.0
Toluene	Ave	0.8355	0.8786	0.4000	26.3	25.0	5.2	20.0
Ethyl methacrylate	Ave	0.4930	0.4784		24.3	25.0	-3.0	20.0
trans-1,3-Dichloropropene	Lin1		0.4989	0.1000	24.9	25.0	-0.2	20.0
1,1,2-Trichloroethane	Ave	0.2591	0.2706	0.1000	26.1	25.0	4.4	20.0
Tetrachloroethene	Ave	0.3626	0.3626	0.2000	25.0	25.0	-0.0	20.0
1,3-Dichloropropane	Ave	0.5227	0.5807		27.8	25.0	11.1	20.0
2-Hexanone	Ave	0.2820	0.3257	0.1000	144	125	15.5	20.0
Dibromochloromethane	Ave	0.2281	0.2700	0.1000	29.6	25.0	18.4	20.0
1,2-Dibromoethane	Ave	0.3249	0.3310		25.5	25.0	1.9	20.0
Chlorobenzene	Ave	0.9588	0.9784	0.5000	25.5	25.0	2.0	20.0
Ethylbenzene	Ave	1.540	1.638	0.1000	26.6	25.0	6.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3099	0.3418		27.6	25.0	10.3	20.0
m,p-Xylene	Ave	0.6070	0.6322	0.1000	26.0	25.0	4.1	20.0
o-Xylene	Ave	0.6172	0.6225	0.3000	25.2	25.0	0.8	20.0
Styrene	Ave	1.017	1.040	0.3000	25.5	25.0	2.2	20.0
Bromoform	Ave	0.1556	0.1645	0.1000	26.4	25.0	5.7	50.0
Isopropylbenzene	Ave	2.779	2.898	0.1000	26.1	25.0	4.3	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8348	0.8691	0.3000	26.0	25.0	4.1	20.0
Bromobenzene	Ave	0.7394	0.7391		25.0	25.0	-0.0	20.0
N-Propylbenzene	Ave	3.220	3.551		27.6	25.0	10.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2120	0.2107		24.8	25.0	-0.6	50.0
1,2,3-Trichloropropane	Ave	0.2909	0.2936		25.2	25.0	0.9	20.0
2-Chlorotoluene	Ave	0.6951	0.7094		25.5	25.0	2.0	20.0
1,3,5-Trimethylbenzene	Ave	2.375	2.559		26.9	25.0	7.8	20.0
4-Chlorotoluene	Ave	2.012	2.099		26.1	25.0	4.3	20.0
tert-Butylbenzene	Ave	0.5399	0.5408		25.0	25.0	0.2	20.0
1,2,4-Trimethylbenzene	Ave	2.450	2.623		26.8	25.0	7.0	20.0
sec-Butylbenzene	Ave	3.036	3.180		26.2	25.0	4.7	20.0
4-Isopropyltoluene	Ave	2.636	2.799		26.5	25.0	6.2	20.0
1,3-Dichlorobenzene	Ave	1.456	1.480	0.6000	25.4	25.0	1.6	20.0
1,4-Dichlorobenzene	Ave	1.500	1.499	0.5000	25.0	25.0	-0.0	20.0
n-Butylbenzene	Ave	2.367	2.558		27.0	25.0	8.1	20.0
1,2-Dichlorobenzene	Ave	1.442	1.442	0.4000	25.0	25.0	0.0	20.0

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-192674-1

SDG No.:

Batch Number: 606717 Batch Start Date: 11/27/21 08:55 Batch Analyst: Dahn, William J

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	8260 CORP mix 00217	BFB_WRK 00129	GAS CORP mix 00482
BFB 480-606717/1		8260C		1 uL	1 uL			1 uL	
CCVIS 480-606717/2		8260C		5 mL	5 mL		12.5 uL		12.5 uL
LCS 480-606717/4		8260C		5 mL	5 mL		12.5 uL		12.5 uL
MB 480-606717/6		8260C		5 mL	5 mL				
480-192674-A-1	TRIPBLANK 111921	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-2	MW12-11-111821	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-3	MW12-18-111821	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-4	MW12-25-111821	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-5	MW12-27-111821	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-6	MW12-20-111821	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-7	MW12-06-111821	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-8	MW12-09-111821	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-9	MW12-10-111821	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-10	MW12-19-111821	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-11	MW12-21-111821	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-12	MW12-14-111921	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-13	MW12-02-111921	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-14	MW12-16-111921	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-15	MW12-17-111921	8260C	T	5 mL	5 mL	7 SU			
480-192674-D-16	MW12-28-111921	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-17	MW12-12-111921	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-18	MW12-04-111921	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-19	MW12-08-111921	8260C	T	5 mL	5 mL	<2 SU			
480-192674-D-20	X-2-111921	8260C	T	5 mL	5 mL	<2 SU			
480-192674-C-12 MS	MW12-14-111921	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL
480-192674-C-12 MSD	MW12-14-111921	8260C	T	5 mL	5 mL	<2 SU	12.5 uL		12.5 uL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Data Usability Summary Report

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

Bomax Manufacturing
Pace/Con-test SDG#21L1105
May 19, 2022
Sampling date: 12/13, 14/2021

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(1/24/22 and 1/18/23) for Ramboll, project located at Hoff Bros Plank Rd., Walworth #859002, Pace/Con-test SDG#21L1105 submitted to Vali-Data of WNY, LLC on April 14, 2022. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260D), Semi-Volatile Organics (8270D, 8270E, 8270D SIM), PCB (8082A), Inorganics/Mercury (6010D, 7471B) and in accordance with wet chemistry methods.
Method 8270D SIM was subcontracted to Eurofins.

ID	Sample ID	Laboratory ID
1	Trip Blank-121421	21L1105-01
2	SSB-02-0-2-121321	21L1105-02
3	SSB-02-2-12-121321	21L1105-03
4	SSB-03-0-2-121321	21L1105-04
5	SSB-03-2-12-121321	21L1105-05
6	SSB-04-0-2-121321	21L1105-06
7	SSB-04-2-12-121321	21L1105-07
8	EB-1-121321	21L1105-08
9	SSB-12-0-2-121321	21L1105-09
10	SSB-12-2-12-121321	21L1105-10
11	SSB-07-0-2-121321	21L1105-11
12	SSB-07-2-12-121321	21L1105-12
13	SSB-05-0-2-121321	21L1105-13
14	SSB-05-2-12-121321	21L1105-14
16	SSB-01-2-12-121421	21L1105-16
17	SSB-06-0-2-121421	21L1105-17
18	SSB-06-2-12-121421	21L1105-18
19	SSB-08-0-2-121421	21L1105-19
20	SSB-08-2-12-121421	21L1105-20
21	SSB-09-0-2-121421	21L1105-21
22	SSB-09-2-12-121421	21L1105-22
23	EB-2-121421	21L1105-23
24	SSB-10-0-2-121421	21L1105-24
25	SSB-10-2-12-121421	21L1105-25
26	SSB-11-0-2-121421	21L1105-26
27	SSB-11-2-12-121421	21L1105-27
28	X-1-121421	21L1105-28
29	X-2-121421	21L1105-29

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, Initial Calibration and Continuing Calibration.

DUSR ID#5 was diluted due to matrix interference.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

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 criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except the TIC, Hexanal, was detected in DUSR ID#28 but was not detected in #22.

LABORATORY CONTROL SAMPLES
All criteria were met except a couple of target analytes were outside QC limits in B297057-BS1/BSD1 and should be qualified as estimated.

Target Analyte	%Rec LCS	%Rec LCSD	RPD	Qualifier	Associated Sample
trans-1,4-Dichloro-2-butene	68.6	63.1	-	UJ	5
Chloromethane	-	-	25.6	UJ	5

MS/MSD
All criteria were met except a couple of target analytes were outside QC limits in DUSR ID #10MS/MSD and should be qualified as estimated.

Target Analyte	%Rec MS	%Rec MSD	RPD	Qualifier	Associated Sample
Acetone	198	143	-	UJ	10
Methyl acetate	320	205	44.4	UJ	10
Naphthalene	68.5	58.4	-	UJ	10

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 except the RRF of several target analytes was outside QC limits in the initial calibrations. These target analytes should be qualified as estimated in the associated blanks, samples and spikes.

Ical instrument	Target Analyte	Qualifier	Associated Sample
GCMSVOA5	Bromodichloromethane	UJ/J	B297057, 5
GCMSVOA5	Chlorodibromomethane	UJ/J	B297057, 5
GCMSVOA5	1,2-Dibromoethane	UJ/J	B297057, 5
GCMSVOA5	1,2-Dichloropropane	UJ/J	B297057, 5

Ical instrument	Target Analyte	Qualifier	Associated Sample
GCMSVOA5	cis-1,3-Dichloropropene	UJ/J	B297057, 5
GCMSVOA5	1,4-Dioxane	UJ/J	B297057, 5
GCMSVOA5	1,1,2-Trichloroethane	UJ/J	B297057, 5
GCMSVOA5	Trichloroethene	UJ/J	B297057, 5
GCMSVOA5	1,2,3-Trichlorobenzene	UJ/J	B297057, 5
GCMSVOA5	1,2,4-Trichlorobenzene	UJ/J	B297057, 5
GCMSVOA4	Bromodichloromethane	UJ/J	B297073, 1, 3, 7, 10, 12, 14, 16, 18, 20, 22, 25, 27, 28, 10MS/MSD
GCMSVOA4	Chlorodibromomethane	UJ/J	B297073, 1, 3, 7, 10, 12, 14, 16, 18, 20, 22, 25, 27, 28, 10MS/MSD
GCMSVOA4	1,2-Dibromoethane	UJ/J	B297073, 1, 3, 7, 10, 12, 14, 16, 18, 20, 22, 25, 27, 28, 10MS/MSD
GCMSVOA4	1,1,2-Trichloroethene	UJ/J	B297073, 1, 3, 7, 10, 12, 14, 16, 18, 20, 22, 25, 27, 28, 10MS/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 calibrations and should be qualified as estimated in the associated samples, blanks and spikes.

CCal ID	Target Analyte	%D/RRF	Qualifier	Associated Sample
S066572	Vinyl Chloride	-54.5	UJ/J	B297057, 5
S066572	Bromochloromethane	27.4	UJ/J	B297057, 5
S066572	trans-1,4-Dichloro-2-butene	-31.8	UJ/J	B297057, 5
S066572	Bromodichloromethane	RRF	UJ/J	B297057, 5
S066572	Chlorodibromomethane	RRF	UJ/J	B297057, 5
S066572	1,2-Dibromoethane	RRF	UJ/J	B297057, 5
S066572	cis-1,3-Dichloropropene	RRF	UJ/J	B297057, 5
S066572	1,4-Dioxane	RRF	UJ/J	B297057, 5
S066572	1,1,2-Trichloroethane	RRF	UJ/J	B297057, 5
S066572	1,2,3-Trichlorobenzene	RRF	UJ/J	B297057, 5
S066576	Bromodichloromethane	RRF	UJ/J	B297057, 5
S066576	Chlorodibromomethane	RRF	UJ/J	B297073, 1, 3, 7, 10, 12, 14, 16, 18, 20, 22, 25, 27, 28, 10MS/MSD
S066576	1,2-Dibromoethane	RRF	UJ/J	B297073, 1, 3, 7, 10, 12, 14, 16, 18, 20, 22, 25, 27, 28, 10MS/MSD
S066576	1,1,2-Trichloroethene	RRF	UJ/J	B297073, 1, 3, 7, 10, 12, 14, 16, 18, 20, 22, 25, 27, 28, 10MS/MSD

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 Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples, 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 except the %Rec of 2-Fluorophenol and 2-Fluorobiphenyl was outside QC limits, low in DUSR ID#19. The associated target analytes below should be qualified as estimated in this sample.

Phenol	2-Chlorophenol	Acenaphthene
Acenaphthylene	Hexachlorocyclopentadiene	
2-Nitroaniline	2-Chloronaphthalene	Dimethylphthalate
3-Nitroaniline	Dibenzofuran	2,4-Dinitrotoluene
2,6-Dinitrotoluene	1,2,4,5-Tetrachlorobenzene	Diethylphthalate
Fluorene	4-Chlorophenyl-phenylether	4-Nitroaniline

The %Rec of 1-Methylnaphthalene-d_{10} was outside QC limits high in DUSR ID#10 and #26. 1,4-Dioxane was not detected in these samples, so no further action is required.

METHOD BLANK
All the criteria were met except some TICs were detected above the quantitation limits in the method blanks and should be qualified as undetected in the associated samples.

Blank ID	RT	Blank Concentration	Qualifier	Associated Sample
B297130	8.626	8.3ug/L	U	None
B297704	2.386	210ug/kg	U	25, 27, 28
B297704	8.602	910ug/kg	U	25-29

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except one TIC was detected in DUSR ID#22, but 9 TICs were detected in #28. Four TICs were detected in DUSR ID#24, but 7 TICs were detected in #29.

LABORATORY CONTROL SAMPLES
All criteria were met except several target analytes were outside QC limits in the laboratory control samples and should be qualified as estimated.

LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	RPD	Qualifier	Associated Sample
B297130	Hexachlorocyclopentadiene	22.7	18.1	-	UJ	8
B297130	Benzidine	-	-	51.9	UJ	8
B297130	1,2-Dichlorobenzene	-	-	21.5	UJ	8
B297130	1,3-Dichlorobenzene	-	-	20.2	UJ	8

LCS ID	Target Analyte	%Rec LCS	%Rec LCSD	RPD	Qualifier	Associated Sample
B297130	1,4-Dichlorobenzene	-	-	20.2	UJ	8
B297434	N-Nitrosodimethylamine	39.3	39.3	-	UJ	23
B297690	Benzidine	160	160	-	JH	None

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

MS/MSD

All criteria were met except some target analytes were outside QC limits, in the matrix spike and matrix spike duplicates and should be qualified as estimated.

Target Analyte	%Rec 10MS2	%Rec 10MSD2	RPD	Qualifier	Associated Sample
Benzoic acid	17.1	16.4		UJ	10
2,4-Dinitrophenol	25.3	16.6	41.4	UJ	10
Pyridine	33.6	28.9	-	UJ	10
Benzidine	-	9.88	129	R	10
Target Analyte	**%Rec 4MSRE2**	**%Rec 4MSDRE2**	**RPD**	**Qualifier**	**Associated Sample**
Benzidine	.7	1.3		R	4RE2
Benzoic acid	11.6	12.6		UJ	4RE2
Dibenz(a,h)anthracene	35.9	-29.9		J	4RE2
4,6-Dinitro-2-methylphenol	18.4	11.5		UJ	4RE2
Hexachlorocyclopentadiene	0	0		R	4RE2
Pentachlorophenol	25.5	21.9		UJ	4RE2
Pyridine	-	-	39.7	UJ	4RE2

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

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

Instrument	Target Analyte	%D/%RSD	Qualifier	Associated Sample
ICV GCMSSV4	Benzidine	57.3	UJ/J	B297434, B297690, 2-14, 16-24, 6RE, 3MS2/MSD2
ICV GCMSSV2	Benzidine	49.8	UJ/J	B297704, B298298, 4RE2, 4RE3, 4MSRE2/MSDRE2, 25-29
ICV GCMSSV2	2-Chloronaphthalene	21.3	UJ/J	B297704, B298298, 4RE2, 4RE3, 4MSRE2/MSDRE2, 25-29
ICal GCMSSV3	2,4-Dinitrophenol	43.4	UJ/J	B297130

Alternate forms of regression were performed on some target analytes, with acceptable results except as mentioned above.

CONTINUING CALIBRATION

All criteria were met except several target analytes were 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
S066602	Benzidine	-42.9	UJ/J	B297130
S066602	Bis(2-chloroisopropyl) ether	23.1	UJ/J	B297130
S066602	Hexachlorocyclopentadiene	-58.3	UJ/J	B297130
S066849	Benzidine	-41.2	UJ/J	B297434
S066928	Benzidine	-41.5	UJ/J	B297704-BS1/BSD1
S066928	Benzoic acid	23.5	J	B297704-BS1/BSD1
S066949	Benzidine	-58.5	UJ	8
S066949	2-Nitroaniline	25.5	UJ	8
S066949	3-Nitroaniline	29.0	UJ	8
S066950	Benzidine	-29.0	UJ	B297704-BLK1, 25-29
S066950	Benzoic acid	24.8	UJ	B297704-BLK1, 25-29
S066950	N-Nitrosodimethylamine	21.1	UJ	B297704-BLK1, 25-29
S066963	Benzidine	-57.1	UJ/J	B297690, 2, 4-7, 9-14, 16-22, 24
S067025	Benzidine	-51.7	UJ/J	3, 6RE1, 23, 3MS2/MSD2
S067025	Benzoic acid	34.2	UJ/J	3, 6RE1, 23, 3MS2/MSD2
S067025	Isophorone	22.4	UJ/J	3, 6RE1, 23, 3MS2/MSD2

CCal ID	Target Analyte	%D	Qualifier	Associated Sample
S067025	3-Nitroaniline	27.8	UJ/J	3, 6RE1, 23, 3MS2/MSD2
S067025	Nitrobenzene	34.1	UJ/J	3, 6RE1, 23, 3MS2/MSD2
S067128	Benzidine	-40.1	UJ/J	B298298, 4RE2, 4RE3, 4MSRE2/MSDRE2
S067128	N-Nitrosodimethylamine	20.3	UJ/J	B298298, 4RE2, 4RE3, 4MSRE2/MSDRE2

GC/MS PERFORMANCE CHECK
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.

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 criteria were met.

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 but are qualified below in Blanks, MS/MSD/Duplicate and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Mg was outside QC limits above the MDL, but below the reporting limit and is qualified as estimated in B297931-BLK1. This target analyte was not monitored in the associated samples, so no further action is required.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
All criteria were met except several target analyte were outside QC limits and should be qualified as estimated.

Target Analyte	%Rec 10MS	%Rec 10MSD	%Rec 3MS	%RPD 3DUP	Qualifier	Associated Sample
Sb	40.2	38.5	-	-	J	10
Sb	-	-	42.7 (3MSRE)	-	UJ	3
Ba	-	-	58.0		J	3
Tl	-	-	126		JH	None
Zn	-	-	66.1		J	3
Cu	-	-	-	65.3	J	3
V	-	-	-	28.2	J	3

FIELD DUPLICATE
All criteria were met.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of a target analyte was outside QC limits in the calibrations and should be qualified as estimated.

Calibration ID	Target analyte	%D	Qualifier	Associated Sample
S068615-LCV1	Fe	-12.0	UJ/J	B297780, 10
S068615-LCV1	Pb	16.4	UJ/J	B297780, 10
S068637-LCV1	Al	-20.0	UJ/J	B297889, 3, 7, 18, 20, 22, 28
S068637-LCV1	Sb	-13.6	UJ/J	B297889, B297931, 7, 18, 20, 22, 28
S068637-LCV1	Cr	-13.2	UJ/J	B297889, B297931, 7, 18, 20, 22, 28, 10RE1
S068637-LCV1	Fe	-15.9	UJ/J	B297889, B297931, 7, 18, 20, 22, 28
S068637-LCV1	Pb	14.5	UJ/J	B297889, B297931, 7, 18, 20, 22, 28
S068637-LCV1	Se	-15.4	UJ/J	B297889, B297931, 7, 18, 20, 22, 28
S068870-LCV1	Zn	18.8	UJ/J	B298107, 10RE2
S068870-LCV2	Ca	16.2	UJ/J	B298107
S069132-LCV1	Fe	-35.3	UJ/J	18, 20, 22
S069132-LCV1	K	11.1	UJ/J	3, 7, 18, 20, 22, 28

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.

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT - 1/18/2023: Unable to calculate benzoic acid RPD for matrix spike. Result below MDL.

REVISED REPORT - 1/20/2022 - 21l1105-10 PCBs reported per client request.

For 8260 Tentatively Identified Compounds (TICs) results will not include calibrated compounds that were not requested.

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SW-846 6010D

Qualifications:

M-06

Low level calibration check is outside of control limits for this element. Reported results for this element at or near the reporting limit may be biased on the low side.

Analyte & Samples(s) Qualified:

Iron
S069132-LCV1

MS-07

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Antimony
21L1105-03RE1[SSB-02-2-12-121321], B298232-MS1

Barium
21L1105-03[SSB-02-2-12-121321], B297889-MS1

Zinc
B297889-MS1

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Antimony
21L1105-10[SSB-12-2-12-121321], B297780-MS1, B297780-MSD1

MS-14

Matrix spike recovery is outside of control limits. Data validation is not affected since sample result is "not detected" and recovery bias is on the high side for this compound.

Analyte & Samples(s) Qualified:

Thallium
21L1105-03[SSB-02-2-12-121321], B297889-MS1

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Aluminum
21L1105-03[SSB-02-2-12-121321], 21L1105-10[SSB-12-2-12-121321], B297780-MS1, B297780-MSD1, B297889-MS1

Calcium
21L1105-03[SSB-02-2-12-121321], 21L1105-10[SSB-12-2-12-121321], B297780-MS1, B297780-MSD1, B297889-MS1

Iron
21L1105-03[SSB-02-2-12-121321], 21L1105-10[SSB-12-2-12-121321], B297780-MS1, B297780-MSD1, B297889-MS1

Magnesium
21L1105-03[SSB-02-2-12-121321], 21L1105-10[SSB-12-2-12-121321], B297780-MS1, B297780-MSD1, B297889-MS1

Manganese
21L1105-10[SSB-12-2-12-121321], B297780-MS1, B297780-MSD1

Potassium
21L1105-03[SSB-02-2-12-121321], 21L1105-10[SSB-12-2-12-121321], B297780-MS1, B297780-MSD1, B297889-MS1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Barium
B297931-MS1

R-02

Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.

Analyte & Samples(s) Qualified:

Copper
21L1105-03[SSB-02-2-12-121321], B297889-DUP1

SW-846 8260D

Qualifications:

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L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

trans-1,4-Dichloro-2-butene

21L1105-05[SSB-03-2-12-121321], B297057-BLK1, B297057-BS1, B297057-BSD1

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Naphthalene

21L1105-10[SSB-12-2-12-121321], B297073-MS1, B297073-MSD1

MS-12

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Acetone

B297073-MS1, B297073-MSD1

Methyl Acetate

B297073-MS1, B297073-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene

B297073-MSD1

1,2,4-Trichlorobenzene

B297073-MSD1

2-Butanone (MEK)

B297073-MS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Chloromethane

21L1105-05[SSB-03-2-12-121321], B297057-BLK1, B297057-BS1, B297057-BSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Acetone

21L1105-10[SSB-12-2-12-121321], B297073-MS1, B297073-MSD1

Methyl Acetate

21L1105-10[SSB-12-2-12-121321], B297073-MS1, B297073-MSD1

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

21L1105-05[SSB-03-2-12-121321]

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V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Bromochloromethane
21L1105-05[SSB-03-2-12-121321], B297057-BLK1, B297057-BS1, B297057-BSD1, S066572-CCV1

Bromomethane
21L1105-05[SSB-03-2-12-121321], B297057-BLK1, B297057-BS1, B297057-BSD1, S066572-CCV1

Chloromethane
21L1105-05[SSB-03-2-12-121321], B297057-BLK1, B297057-BS1, B297057-BSD1, S066572-CCV1

Dichlorodifluoromethane (Freon 12
21L1105-01[Trip Blank- 121421], 21L1105-03[SSB-02-2-12-121321], 21L1105-07[SSB-04-2-12-121321], 21L1105-10[SSB-12-2-12-121321], 21L1105-12[SSB-07-2-12-121321], 21L1105-14[SSB-05-2-12-121321], 21L1105-16[SSB-01-2-12-121421], 21L1105-18[SSB-06-2-12-121421], 21L1105-20[SSB-08-2-12-121421], 21L1105-22[SSB-09-2-12-121421], 21L1105-25[SSB-10-2-12-121421], 21L1105-27[SSB-11-2-12-121421], 21L1105-28[X-1-121421], B297073-BLK1, B297073-BS1, B297073-BSD1, B297073-MS1, B297073-MSD1, S066576-CCV1

trans-1,4-Dichloro-2-butene
21L1105-05[SSB-03-2-12-121321], B297057-BLK1, B297057-BS1, B297057-BSD1, S066572-CCV1

Vinyl Chloride
21L1105-05[SSB-03-2-12-121321], B297057-BLK1, B297057-BS1, B297057-BSD1, S066572-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Methyl Acetate
B297073-BS1, B297073-BSD1, B297073-MS1, B297073-MSD1, S066576-CCV1

SW-846 8270E

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Heptane, 2,5-dimethyl-
21L1105-25[SSB-10-2-12-121421], 21L1105-27[SSB-11-2-12-121421], 21L1105-28[X-1-121421]

Phosphine imide, P,P,P-trip...
21L1105-25[SSB-10-2-12-121421], 21L1105-26[SSB-11-0-2-121421], 21L1105-27[SSB-11-2-12-121421], 21L1105-28[X-1-121421], 21L1105-29[X-2-121421], B297704-BLK1

DL-02

Elevated method reporting limit due to insufficient sample volume.

Analyte & Samples(s) Qualified:

21L1105-08[EB-1-121321]

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Benzidine
B297690-BS1, B297690-BSD1

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
21L1105-08[EB-1-121321], B297130-BLK1, B297130-BS1, B297130-BSD1

N-Nitrosodimethylamine
21L1105-23[EB-2-121421], B297434-BLK1, B297434-BS1, B297434-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Benzidine
B297704-BSD1, B298298-BSD1

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MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
21L1105-10[SSB-12-2-12-121321], B297690-MSD2

4,6-Dinitro-2-methylphenol
21L1105-04RE2[SSB-03-0-2-121321], B298298-MS1, B298298-MSD1

Benzidine
21L1105-04RE2[SSB-03-0-2-121321], B298298-MS1, B298298-MSD1

Benzoic Acid
21L1105-04RE2[SSB-03-0-2-121321], 21L1105-10[SSB-12-2-12-121321], B297690-MSD2, B298298-MS1, B298298-MSD1

Dibenz(a,h)anthracene
21L1105-04RE2[SSB-03-0-2-121321], B298298-MS1, B298298-MSD1

Hexachlorocyclopentadiene
21L1105-04RE2[SSB-03-0-2-121321], B298298-MS1, B298298-MSD1

Pentachlorophenol
21L1105-04RE2[SSB-03-0-2-121321], B298298-MS1, B298298-MSD1

Pyridine
21L1105-10[SSB-12-2-12-121321], B297690-MSD2

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Benzo(a)pyrene
B298298-MS1, B298298-MSD1

Benzo(b)fluoranthene
B298298-MS1, B298298-MSD1

Benzo(k)fluoranthene
B298298-MS1, B298298-MSD1

Chrysene
B298298-MS1, B298298-MSD1

Fluoranthene
B298298-MS1, B298298-MSD1

Phenanthrene
B298298-MS1, B298298-MSD1

Pyrene
B298298-MS1, B298298-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine
B298298-MS1

Anthracene
B298298-MSD1

Benzo(a)anthracene
B298298-MSD1

Benzo(g,h,i)perylene
B298298-MSD1

Carbazole
B298298-MSD1

Fluorene
B298298-MSD1

Indeno(1,2,3-cd)pyrene
B298298-MSD1

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MS-23

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Benzidine
B297690-MSD2

Pyridine
B298298-MSD1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

1,2-Dichlorobenzene
21L1105-08[EB-1-121321], B297130-BLK1, B297130-BS1, B297130-BSD1

1,3-Dichlorobenzene
21L1105-08[EB-1-121321], B297130-BLK1, B297130-BS1, B297130-BSD1

1,4-Dichlorobenzene
21L1105-08[EB-1-121321], B297130-BLK1, B297130-BS1, B297130-BSD1

Benzidine
21L1105-08[EB-1-121321], B297130-BLK1, B297130-BS1, B297130-BSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
21L1105-10[SSB-12-2-12-121321], B297690-MSD2

Benzidine
21L1105-10[SSB-12-2-12-121321]

Pyridine
21L1105-04RE2[SSB-03-0-2-121321], B298298-MS1

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

21L1105-03[SSB-02-2-12-121321], 21L1105-04RE2[SSB-03-0-2-121321]

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
21L1105-04RE3[SSB-03-0-2-121321]

2-Fluorobiphenyl
21L1105-04RE3[SSB-03-0-2-121321]

2-Fluorophenol
21L1105-04RE3[SSB-03-0-2-121321]

Nitrobenzene-d5
21L1105-04RE3[SSB-03-0-2-121321]

Phenol-d6
21L1105-04RE3[SSB-03-0-2-121321]

p-Terphenyl-d14
21L1105-04RE3[SSB-03-0-2-121321]

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2-Fluorobiphenyl
21L1105-19[SSB-08-0-2-121421]

2-Fluorophenol
21L1105-19[SSB-08-0-2-121421]

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V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
B297130-BLK1, B297130-BS1, B297130-BSD1, S066602-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

4-Nitrophenol
B297130-BLK1, B297130-BS1, B297130-BSD1, S066602-CCV1

Benzidine
21L1105-02[SSB-02-0-2-121321], 21L1105-03[SSB-02-2-12-121321], 21L1105-04[SSB-03-0-2-121321], 21L1105-04RE2[SSB-03-0-2-121321], 21L1105-05[SSB-03-2-12-121321], 21L1105-06[SSB-04-0-2-121321], 21L1105-07[SSB-04-2-12-121321], 21L1105-08[EB-1-121321], 21L1105-09[SSB-12-0-2-121321], 21L1105-10[SSB-12-2-12-121321], 21L1105-11[SSB-07-0-2-121321], 21L1105-12[SSB-07-2-12-121321], 21L1105-13[SSB-05-0-2-121321], 21L1105-14[SSB-05-2-12-121321], 21L1105-16[SSB-01-2-12-121421], 21L1105-17[SSB-06-0-2-121421], 21L1105-18[SSB-06-2-12-121421], 21L1105-19[SSB-08-0-2-121421], 21L1105-20[SSB-08-2-12-121421], 21L1105-21[SSB-09-0-2-121421], 21L1105-22[SSB-09-2-12-121421], 21L1105-23[EB-2-121421], 21L1105-24[SSB-10-0-2-121421], 21L1105-25[SSB-10-2-12-121421], 21L1105-26[SSB-11-0-2-121421], 21L1105-27[SSB-11-2-12-121421], 21L1105-28[X-1-121421], 21L1105-29[X-2-121421], B297130-BLK1, B297130-BS1, B297130-BSD1, B297434-BLK1, B297434-BS1, B297434-BSD1, B297690-BLK1, B297690-BS1, B297690-BSD1, B297690-MSD2, B297704-BLK1, B297704-BS1, B297704-BSD1, B298298-BLK1, B298298-BS1, B298298-BSD1, B298298-MS1, B298298-MSD1, S066602-CCV1, S066849-CCV1, S066866-CCV1, S066928-CCV1, S066949-CCV1, S066950-CCV1, S066963-CCV1, S067025-CCV1, S067076-CCV1, S067128-CCV1

Hexachlorocyclopentadiene
21L1105-04RE2[SSB-03-0-2-121321], B297130-BLK1, B297130-BS1, B297130-BSD1, B298298-BLK1, B298298-BS1, B298298-BSD1, B298298-MS1, B298298-MSD1, S066602-CCV1, S067076-CCV1, S067128-CCV1

Pentachlorophenol
21L1105-25[SSB-10-2-12-121421], 21L1105-26[SSB-11-0-2-121421], 21L1105-27[SSB-11-2-12-121421], 21L1105-28[X-1-121421], 21L1105-29[X-2-121421], B297130-BLK1, B297130-BS1, B297130-BSD1, B297704-BLK1, S066602-CCV1, S066950-CCV1, S067076-CCV1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2-Nitroaniline
B297690-BS1, B297690-BSD1, B297690-MSD2, S066949-CCV1, S066963-CCV1, S067025-CCV1

3-Nitroaniline
B297690-BS1, B297690-BSD1, B297690-MSD2, S066949-CCV1, S066963-CCV1, S067025-CCV1

4-Chloroaniline
B297690-BS1, B297690-BSD1, B297690-MSD2, S066963-CCV1, S067025-CCV1

4-Nitroaniline
B297690-BS1, B297690-BSD1, S066949-CCV1, S066963-CCV1

Benzoic Acid
21L1105-03[SSB-02-2-12-121321], 21L1105-23[EB-2-121421], 21L1105-25[SSB-10-2-12-121421], 21L1105-26[SSB-11-0-2-121421], 21L1105-27[SSB-11-2-12-121421], 21L1105-28[X-1-121421], 21L1105-29[X-2-121421], B297690-MSD2, B297704-BLK1, B297704-BS1, B297704-BSD1, S066928-CCV1, S066950-CCV1, S067025-CCV1

Bis(2-chloroisopropyl)ether
B297130-BS1, B297130-BSD1, S066602-CCV1

Bis(2-Ethylhexyl)phthalate
B297130-BLK1, B297130-BS1, B297130-BSD1, S066602-CCV1

Isophorone
B297690-MSD2, S067025-CCV1

Nitrobenzene
B297690-MSD2, S067025-CCV1

N-Nitrosodimethylamine
B298298-BS1, B298298-BSD1, B298298-MS1, B298298-MSD1, S066950-CCV1, S067128-CCV1

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V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2-Nitroaniline
21L1105-02[SSB-02-0-2-121321], 21L1105-03[SSB-02-2-12-121321], 21L1105-04[SSB-03-0-2-121321], 21L1105-05[SSB-03-2-12-121321], 21L1105-06[SSB-04-0-2-121321], 21L1105-07[SSB-04-2-12-121321], 21L1105-08[EB-1-121321], 21L1105-09[SSB-12-0-2-121321], 21L1105-10[SSB-12-2-12-121321], 21L1105-11[SSB-07-0-2-121321], 21L1105-12[SSB-07-2-12-121321], 21L1105-13[SSB-05-0-2-121321], 21L1105-14[SSB-05-2-12-121321], 21L1105-16[SSB-01-2-12-121421], 21L1105-17[SSB-06-0-2-121421], 21L1105-18[SSB-06-2-12-121421], 21L1105-19[SSB-08-0-2-121421], 21L1105-20[SSB-08-2-12-121421], 21L1105-21[SSB-09-0-2-121421], 21L1105-22[SSB-09-2-12-121421], 21L1105-23[EB-2-121421], 21L1105-24[SSB-10-0-2-121421], B297690-BLK1

3-Nitroaniline
21L1105-02[SSB-02-0-2-121321], 21L1105-03[SSB-02-2-12-121321], 21L1105-04[SSB-03-0-2-121321], 21L1105-05[SSB-03-2-12-121321], 21L1105-06[SSB-04-0-2-121321], 21L1105-07[SSB-04-2-12-121321], 21L1105-08[EB-1-121321], 21L1105-09[SSB-12-0-2-121321], 21L1105-10[SSB-12-2-12-121321], 21L1105-11[SSB-07-0-2-121321], 21L1105-12[SSB-07-2-12-121321], 21L1105-13[SSB-05-0-2-121321], 21L1105-14[SSB-05-2-12-121321], 21L1105-16[SSB-01-2-12-121421], 21L1105-17[SSB-06-0-2-121421], 21L1105-18[SSB-06-2-12-121421], 21L1105-19[SSB-08-0-2-121421], 21L1105-20[SSB-08-2-12-121421], 21L1105-21[SSB-09-0-2-121421], 21L1105-22[SSB-09-2-12-121421], 21L1105-23[EB-2-121421], 21L1105-24[SSB-10-0-2-121421], B297690-BLK1

4-Chloroaniline
21L1105-02[SSB-02-0-2-121321], 21L1105-03[SSB-02-2-12-121321], 21L1105-04[SSB-03-0-2-121321], 21L1105-05[SSB-03-2-12-121321], 21L1105-06[SSB-04-0-2-121321], 21L1105-07[SSB-04-2-12-121321], 21L1105-09[SSB-12-0-2-121321], 21L1105-10[SSB-12-2-12-121321], 21L1105-11[SSB-07-0-2-121321], 21L1105-12[SSB-07-2-12-121321], 21L1105-13[SSB-05-0-2-121321], 21L1105-14[SSB-05-2-12-121321], 21L1105-16[SSB-01-2-12-121421], 21L1105-17[SSB-06-0-2-121421], 21L1105-18[SSB-06-2-12-121421], 21L1105-19[SSB-08-0-2-121421], 21L1105-20[SSB-08-2-12-121421], 21L1105-21[SSB-09-0-2-121421], 21L1105-22[SSB-09-2-12-121421], 21L1105-23[EB-2-121421], 21L1105-24[SSB-10-0-2-121421], B297690-BLK1

4-Nitroaniline
21L1105-02[SSB-02-0-2-121321], 21L1105-04[SSB-03-0-2-121321], 21L1105-05[SSB-03-2-12-121321], 21L1105-06[SSB-04-0-2-121321], 21L1105-07[SSB-04-2-12-121321], 21L1105-08[EB-1-121321], 21L1105-09[SSB-12-0-2-121321], 21L1105-10[SSB-12-2-12-121321], 21L1105-11[SSB-07-0-2-121321], 21L1105-12[SSB-07-2-12-121321], 21L1105-13[SSB-05-0-2-121321], 21L1105-14[SSB-05-2-12-121321], 21L1105-16[SSB-01-2-12-121421], 21L1105-17[SSB-06-0-2-121421], 21L1105-18[SSB-06-2-12-121421], 21L1105-19[SSB-08-0-2-121421], 21L1105-20[SSB-08-2-12-121421], 21L1105-21[SSB-09-0-2-121421], 21L1105-22[SSB-09-2-12-121421], 21L1105-24[SSB-10-0-2-121421], B297690-BLK1

Bis(2-chloroisopropyl)ether
B297130-BLK1

Isophorone
21L1105-03[SSB-02-2-12-121321], 21L1105-23[EB-2-121421]

Nitrobenzene
21L1105-03[SSB-02-2-12-121321], 21L1105-23[EB-2-121421]

N-Nitrosodimethylamine
21L1105-04RE2[SSB-03-0-2-121321], 21L1105-25[SSB-10-2-12-121421], 21L1105-26[SSB-11-0-2-121421], 21L1105-27[SSB-11-2-12-121421], 21L1105-28[X-1-121421], 21L1105-29[X-2-121421], B297704-BLK1, B298298-BLK1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4-Chloroaniline
21L1105-02[SSB-02-0-2-121321], 21L1105-03[SSB-02-2-12-121321], 21L1105-04[SSB-03-0-2-121321], 21L1105-05[SSB-03-2-12-121321], 21L1105-06[SSB-04-0-2-121321], 21L1105-07[SSB-04-2-12-121321], 21L1105-08[EB-1-121321], 21L1105-09[SSB-12-0-2-121321], 21L1105-10[SSB-12-2-12-121321], 21L1105-11[SSB-07-0-2-121321], 21L1105-12[SSB-07-2-12-121321], 21L1105-13[SSB-05-0-2-121321], 21L1105-14[SSB-05-2-12-121321], 21L1105-16[SSB-01-2-12-121421], 21L1105-17[SSB-06-0-2-121421], 21L1105-18[SSB-06-2-12-121421], 21L1105-19[SSB-08-0-2-121421], 21L1105-20[SSB-08-2-12-121421], 21L1105-21[SSB-09-0-2-121421], 21L1105-22[SSB-09-2-12-121421], 21L1105-23[EB-2-121421], 21L1105-24[SSB-10-0-2-121421], B297130-BLK1, B297130-BS1, B297130-BSD1, B297434-BLK1, B297434-BS1, B297434-BSD1, B297690-BLK1, B297690-BS1, B297690-BSD1, B297690-MSD2, S066602-CCV1, S066849-CCV1, S066866-CCV1, S066949-CCV1, S066963-CCV1, S067025-CCV1, S067076-CCV1

V-35

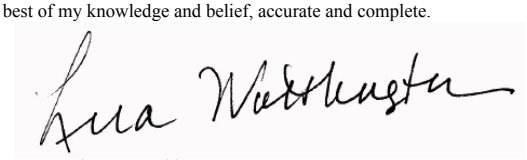
Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

Benzidine
21L1105-02[SSB-02-0-2-121321], 21L1105-03[SSB-02-2-12-121321], 21L1105-04[SSB-03-0-2-121321], 21L1105-04RE2[SSB-03-0-2-121321], 21L1105-05[SSB-03-2-12-121321], 21L1105-06[SSB-04-0-2-121321], 21L1105-07[SSB-04-2-12-121321], 21L1105-08[EB-1-121321], 21L1105-09[SSB-12-0-2-121321], 21L1105-10[SSB-12-2-12-121321], 21L1105-11[SSB-07-0-2-121321], 21L1105-12[SSB-07-2-12-121321], 21L1105-13[SSB-05-0-2-121321], 21L1105-14[SSB-05-2-12-121321], 21L1105-16[SSB-01-2-12-121421], 21L1105-17[SSB-06-0-2-121421], 21L1105-18[SSB-06-2-12-121421], 21L1105-19[SSB-08-0-2-121421], 21L1105-20[SSB-08-2-12-121421], 21L1105-21[SSB-09-0-2-121421], 21L1105-22[SSB-09-2-12-121421], 21L1105-23[EB-2-121421], 21L1105-24[SSB-10-0-2-121421], 21L1105-25[SSB-10-2-12-121421], 21L1105-26[SSB-11-0-2-121421], 21L1105-27[SSB-11-2-12-121421], 21L1105-28[X-1-121421], 21L1105-29[X-2-121421], B297434-BLK1, B297434-BS1, B297434-BSD1, B297690-BLK1, B297690-BS1, B297690-BSD1, B297690-MSD2, B297704-BLK1, B297704-BS1, B297704-BSD1, B298298-BLK1, B298298-BS1, B298298-BSD1, B298298-MS1, B298298-MSD1, S066849-CCV1, S066866-CCV1, S066928-CCV1, S066949-CCV1, S066950-CCV1, S066963-CCV1, S067025-CCV1, S067076-CCV1, S067128-CCV1

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The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT - 1/20/2022 - 21l1105-10 PCBs reported per client request.

For 8260 Tentatively Identified Compounds (TICs) results will not include calibrated compounds that were not requested.

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SW-846 6010D

Qualifications:

MS-07

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Antimony
21L1105-03RE1[SSB-02-2-12-121321], B297889-MS1, B298232-MS1

Barium
21L1105-03[SSB-02-2-12-121321], B297889-MS1

MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Antimony
21L1105-10[SSB-12-2-12-121321], B297780-MS1, B297780-MSD1

MS-14

Matrix spike recovery is outside of control limits. Data validation is not affected since sample result is "not detected" and recovery bias is on the high side for this compound.

Analyte & Samples(s) Qualified:

Thallium
21L1105-03[SSB-02-2-12-121321], B297889-MS1

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Aluminum
21L1105-03[SSB-02-2-12-121321], 21L1105-10[SSB-12-2-12-121321], B297780-MS1, B297780-MSD1, B297889-MS1

Calcium
21L1105-03[SSB-02-2-12-121321], 21L1105-10[SSB-12-2-12-121321], B297780-MS1, B297780-MSD1, B297889-MS1

Iron
21L1105-03[SSB-02-2-12-121321], 21L1105-10[SSB-12-2-12-121321], B297780-MS1, B297780-MSD1, B297889-MS1

Magnesium
21L1105-03[SSB-02-2-12-121321], 21L1105-10[SSB-12-2-12-121321], B297780-MS1, B297780-MSD1, B297889-MS1

Manganese
21L1105-10[SSB-12-2-12-121321], B297780-MS1, B297780-MSD1

Potassium
21L1105-03[SSB-02-2-12-121321], 21L1105-10[SSB-12-2-12-121321], B297780-MS1, B297780-MSD1, B297889-MS1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Barium
B297931-MS1

R-02

Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.

Analyte & Samples(s) Qualified:

Copper
21L1105-03[SSB-02-2-12-121321], B297889-DUP1

SW-846 8260D

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

trans-1,4-Dichloro-2-butene
21L1105-05[SSB-03-2-12-121321], B297057-BLK1, B297057-BS1, B297057-BSD1

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MS-07A

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Naphthalene

21L1105-10[SSB-12-2-12-121321], B297073-MS1, B297073-MSD1

MS-12

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Acetone

B297073-MS1, B297073-MSD1

Methyl Acetate

B297073-MS1, B297073-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene

B297073-MSD1

1,2,4-Trichlorobenzene

B297073-MSD1

2-Butanone (MEK)

B297073-MS1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Chloromethane

21L1105-05[SSB-03-2-12-121321], B297057-BLK1, B297057-BS1, B297057-BSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Acetone

21L1105-10[SSB-12-2-12-121321], B297073-MS1, B297073-MSD1

Methyl Acetate

21L1105-10[SSB-12-2-12-121321], B297073-MS1, B297073-MSD1

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

21L1105-05[SSB-03-2-12-121321]

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V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Bromochloromethane
21L1105-05[SSB-03-2-12-121321], B297057-BLK1, B297057-BS1, B297057-BSD1

Bromomethane
21L1105-05[SSB-03-2-12-121321], B297057-BLK1, B297057-BS1, B297057-BSD1

Chloromethane
21L1105-05[SSB-03-2-12-121321], B297057-BLK1, B297057-BS1, B297057-BSD1

Dichlorodifluoromethane (Freon 12
21L1105-01[Trip Blank- 121421], 21L1105-03[SSB-02-2-12-121321], 21L1105-07[SSB-04-2-12-121321], 21L1105-10[SSB-12-2-12-121321], 21L1105-12[SSB-07-2-12-121321], 21L1105-14[SSB-05-2-12-121321], 21L1105-16[SSB-01-2-12-121421], 21L1105-18[SSB-06-2-12-121421], 21L1105-20[SSB-08-2-12-121421], 21L1105-22[SSB-09-2-12-121421], 21L1105-25[SSB-10-2-12-121421], 21L1105-27[SSB-11-2-12-121421], 21L1105-28[X-1-121421], B297073-BLK1, B297073-BS1, B297073-BSD1, B297073-MS1, B297073-MSD1

trans-1,4-Dichloro-2-butene
21L1105-05[SSB-03-2-12-121321], B297057-BLK1, B297057-BS1, B297057-BSD1

Vinyl Chloride
21L1105-05[SSB-03-2-12-121321], B297057-BLK1, B297057-BS1, B297057-BSD1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Methyl Acetate
B297073-BS1, B297073-BSD1, B297073-MS1, B297073-MSD1

SW-846 8270E

Qualifications:

B

Analyte is found in the associated laboratory blank as well as in the sample.

Analyte & Samples(s) Qualified:

Heptane, 2,5-dimethyl-
21L1105-25[SSB-10-2-12-121421], 21L1105-27[SSB-11-2-12-121421], 21L1105-28[X-1-121421]

Phosphine imide, P,P,P-trip...
21L1105-25[SSB-10-2-12-121421], 21L1105-26[SSB-11-0-2-121421], 21L1105-27[SSB-11-2-12-121421], 21L1105-28[X-1-121421], 21L1105-29[X-2-121421], B297704-BLK1

DL-02

Elevated method reporting limit due to insufficient sample volume.

Analyte & Samples(s) Qualified:

21L1105-08[EB-1-121321]

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Benzidine
B297690-BS1, B297690-BSD1

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Hexachlorocyclopentadiene
21L1105-08[EB-1-121321], B297130-BLK1, B297130-BS1, B297130-BSD1

N-Nitrosodimethylamine
21L1105-23[EB-2-121421], B297434-BLK1, B297434-BS1, B297434-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Benzidine
B297704-BSD1, B298298-BSD1

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MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
21L1105-10[SSB-12-2-12-121321], B297690-MS2, B297690-MSD2

4,6-Dinitro-2-methylphenol
21L1105-04RE2[SSB-03-0-2-121321], B298298-MS1, B298298-MSD1

Benzidine
21L1105-04RE2[SSB-03-0-2-121321], B298298-MS1, B298298-MSD1

Benzoic Acid
21L1105-04RE2[SSB-03-0-2-121321], 21L1105-10[SSB-12-2-12-121321], B297690-MS2, B297690-MSD2, B298298-MS1, B298298-MSD1

Dibenz(a,h)anthracene
21L1105-04RE2[SSB-03-0-2-121321], B298298-MS1, B298298-MSD1

Hexachlorocyclopentadiene
21L1105-04RE2[SSB-03-0-2-121321], B298298-MS1, B298298-MSD1

Pentachlorophenol
21L1105-04RE2[SSB-03-0-2-121321], B298298-MS1, B298298-MSD1

Pyridine
21L1105-10[SSB-12-2-12-121321], B297690-MS2, B297690-MSD2

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Benzo(a)pyrene
B298298-MS1, B298298-MSD1

Benzo(b)fluoranthene
B298298-MS1, B298298-MSD1

Benzo(k)fluoranthene
B298298-MS1, B298298-MSD1

Chrysene
B298298-MS1, B298298-MSD1

Fluoranthene
B298298-MS1, B298298-MSD1

Phenanthrene
B298298-MS1, B298298-MSD1

Pyrene
B298298-MS1, B298298-MSD1

MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine
B298298-MS1

Anthracene
B298298-MSD1

Benzo(a)anthracene
B298298-MSD1

Benzo(g,h,i)perylene
B298298-MSD1

Carbazole
B298298-MSD1

Fluorene
B298298-MSD1

Indeno(1,2,3-cd)pyrene
B298298-MSD1

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MS-23

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is outside of the method specified criteria. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Benzidine
B297690-MSD2

Pyridine
B298298-MSD1

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

1,2-Dichlorobenzene
21L1105-08[EB-1-121321], B297130-BLK1, B297130-BS1, B297130-BSD1

1,3-Dichlorobenzene
21L1105-08[EB-1-121321], B297130-BLK1, B297130-BS1, B297130-BSD1

1,4-Dichlorobenzene
21L1105-08[EB-1-121321], B297130-BLK1, B297130-BS1, B297130-BSD1

Benzidine
21L1105-08[EB-1-121321], B297130-BLK1, B297130-BS1, B297130-BSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
21L1105-10[SSB-12-2-12-121321], B297690-MS2, B297690-MSD2

Benzidine
21L1105-10[SSB-12-2-12-121321], B297690-MS2

Pyridine
21L1105-04RE2[SSB-03-0-2-121321], B298298-MS1

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

21L1105-03[SSB-02-2-12-121321], 21L1105-04RE2[SSB-03-0-2-121321]

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol
21L1105-04RE3[SSB-03-0-2-121321]

2-Fluorobiphenyl
21L1105-04RE3[SSB-03-0-2-121321]

2-Fluorophenol
21L1105-04RE3[SSB-03-0-2-121321]

Nitrobenzene-d5
21L1105-04RE3[SSB-03-0-2-121321]

Phenol-d6
21L1105-04RE3[SSB-03-0-2-121321]

p-Terphenyl-d14
21L1105-04RE3[SSB-03-0-2-121321]

S-07

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2-Fluorobiphenyl
21L1105-19[SSB-08-0-2-121421]

2-Fluorophenol
21L1105-19[SSB-08-0-2-121421]

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V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol
B297130-BLK1, B297130-BS1, B297130-BSD1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

4-Nitrophenol
B297130-BLK1, B297130-BS1, B297130-BSD1

Benzidine
21L1105-02[SSB-02-0-2-121321], 21L1105-03[SSB-02-2-12-121321], 21L1105-04[SSB-03-0-2-121321], 21L1105-04RE2[SSB-03-0-2-121321], 21L1105-05[SSB-03-2-12-121321], 21L1105-06[SSB-04-0-2-121321], 21L1105-07[SSB-04-2-12-121321], 21L1105-08[EB-1-121321], 21L1105-09[SSB-12-0-2-121321], 21L1105-10[SSB-12-2-12-121321], 21L1105-11[SSB-07-0-2-121321], 21L1105-12[SSB-07-2-12-121321], 21L1105-13[SSB-05-0-2-121321], 21L1105-14[SSB-05-2-12-121321], 21L1105-16[SSB-01-2-12-121421], 21L1105-17[SSB-06-0-2-121421], 21L1105-18[SSB-06-2-12-121421], 21L1105-19[SSB-08-0-2-121421], 21L1105-20[SSB-08-2-12-121421], 21L1105-21[SSB-09-0-2-121421], 21L1105-22[SSB-09-2-12-121421], 21L1105-23[EB-2-121421], 21L1105-24[SSB-10-0-2-121421], 21L1105-25[SSB-10-2-12-121421], 21L1105-26[SSB-11-0-2-121421], 21L1105-27[SSB-11-2-12-121421], 21L1105-28[X-1-121421], 21L1105-29[X-2-121421], B297130-BLK1, B297130-BS1, B297130-BSD1, B297434-BLK1, B297434-BS1, B297434-BSD1, B297690-BLK1, B297690-BS1, B297690-BSD1, B297690-MS2, B297690-MSD2, B297704-BLK1, B297704-BS1, B297704-BSD1, B298219-BLK1, B298298-BLK1, B298298-BS1, B298298-BSD1, B298298-MS1, B298298-MSD1

Hexachlorocyclopentadiene
21L1105-04RE2[SSB-03-0-2-121321], B297130-BLK1, B297130-BS1, B297130-BSD1, B298219-BLK1, B298298-BLK1, B298298-BS1, B298298-BSD1, B298298-MS1, B298298-MSD1

Pentachlorophenol
21L1105-25[SSB-10-2-12-121421], 21L1105-26[SSB-11-0-2-121421], 21L1105-27[SSB-11-2-12-121421], 21L1105-28[X-1-121421], 21L1105-29[X-2-121421], B297130-BLK1, B297130-BS1, B297130-BSD1, B297704-BLK1, B298219-BLK1

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

2-Nitroaniline
B297690-BS1, B297690-BSD1, B297690-MS2, B297690-MSD2

3-Nitroaniline
B297690-BS1, B297690-BSD1, B297690-MS2, B297690-MSD2

4-Chloroaniline
B297690-BS1, B297690-BSD1, B297690-MS2, B297690-MSD2

4-Nitroaniline
B297690-BS1, B297690-BSD1

Benzoic Acid
21L1105-03[SSB-02-2-12-121321], 21L1105-23[EB-2-121421], 21L1105-25[SSB-10-2-12-121421], 21L1105-26[SSB-11-0-2-121421], 21L1105-27[SSB-11-2-12-121421], 21L1105-28[X-1-121421], 21L1105-29[X-2-121421], B297690-MS2, B297690-MSD2, B297704-BLK1, B297704-BS1, B297704-BSD1

Bis(2-chloroisopropyl)ether
B297130-BS1, B297130-BSD1

Bis(2-Ethylhexyl)phthalate
B297130-BLK1, B297130-BS1, B297130-BSD1

Isophorone
B297690-MS2, B297690-MSD2

Nitrobenzene
B297690-MS2, B297690-MSD2

N-Nitrosodimethylamine
B298298-BS1, B298298-BSD1, B298298-MS1, B298298-MSD1

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V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

2-Nitroaniline

21L1105-02[SSB-02-0-2-121321], 21L1105-03[SSB-02-2-12-121321], 21L1105-04[SSB-03-0-2-121321], 21L1105-05[SSB-03-2-12-121321], 21L1105-06[SSB-04-0-2-121321], 21L1105-07[SSB-04-2-12-121321], 21L1105-08[EB-1-121321], 21L1105-09[SSB-12-0-2-121321], 21L1105-10[SSB-12-2-12-121321], 21L1105-11[SSB-07-0-2-121321], 21L1105-12[SSB-07-2-12-121321], 21L1105-13[SSB-05-0-2-121321], 21L1105-14[SSB-05-2-12-121321], 21L1105-16[SSB-01-2-12-121421], 21L1105-17[SSB-06-0-2-121421], 21L1105-18[SSB-06-2-12-121421], 21L1105-19[SSB-08-0-2-121421], 21L1105-20[SSB-08-2-12-121421], 21L1105-21[SSB-09-0-2-121421], 21L1105-22[SSB-09-2-12-121421], 21L1105-23[EB-2-121421], 21L1105-24[SSB-10-0-2-121421], B297690-BLK1

3-Nitroaniline

21L1105-02[SSB-02-0-2-121321], 21L1105-03[SSB-02-2-12-121321], 21L1105-04[SSB-03-0-2-121321], 21L1105-05[SSB-03-2-12-121321], 21L1105-06[SSB-04-0-2-121321], 21L1105-07[SSB-04-2-12-121321], 21L1105-08[EB-1-121321], 21L1105-09[SSB-12-0-2-121321], 21L1105-10[SSB-12-2-12-121321], 21L1105-11[SSB-07-0-2-121321], 21L1105-12[SSB-07-2-12-121321], 21L1105-13[SSB-05-0-2-121321], 21L1105-14[SSB-05-2-12-121321], 21L1105-16[SSB-01-2-12-121421], 21L1105-17[SSB-06-0-2-121421], 21L1105-18[SSB-06-2-12-121421], 21L1105-19[SSB-08-0-2-121421], 21L1105-20[SSB-08-2-12-121421], 21L1105-21[SSB-09-0-2-121421], 21L1105-22[SSB-09-2-12-121421], 21L1105-23[EB-2-121421], 21L1105-24[SSB-10-0-2-121421], B297690-BLK1

4-Chloroaniline

21L1105-02[SSB-02-0-2-121321], 21L1105-03[SSB-02-2-12-121321], 21L1105-04[SSB-03-0-2-121321], 21L1105-05[SSB-03-2-12-121321], 21L1105-06[SSB-04-0-2-121321], 21L1105-07[SSB-04-2-12-121321], 21L1105-09[SSB-12-0-2-121321], 21L1105-10[SSB-12-2-12-121321], 21L1105-11[SSB-07-0-2-121321], 21L1105-12[SSB-07-2-12-121321], 21L1105-13[SSB-05-0-2-121321], 21L1105-14[SSB-05-2-12-121321], 21L1105-16[SSB-01-2-12-121421], 21L1105-17[SSB-06-0-2-121421], 21L1105-18[SSB-06-2-12-121421], 21L1105-19[SSB-08-0-2-121421], 21L1105-20[SSB-08-2-12-121421], 21L1105-21[SSB-09-0-2-121421], 21L1105-22[SSB-09-2-12-121421], 21L1105-23[EB-2-121421], 21L1105-24[SSB-10-0-2-121421], B297690-BLK1

4-Nitroaniline

21L1105-02[SSB-02-0-2-121321], 21L1105-04[SSB-03-0-2-121321], 21L1105-05[SSB-03-2-12-121321], 21L1105-06[SSB-04-0-2-121321], 21L1105-07[SSB-04-2-12-121321], 21L1105-08[EB-1-121321], 21L1105-09[SSB-12-0-2-121321], 21L1105-10[SSB-12-2-12-121321], 21L1105-11[SSB-07-0-2-121321], 21L1105-12[SSB-07-2-12-121321], 21L1105-13[SSB-05-0-2-121321], 21L1105-14[SSB-05-2-12-121321], 21L1105-16[SSB-01-2-12-121421], 21L1105-17[SSB-06-0-2-121421], 21L1105-18[SSB-06-2-12-121421], 21L1105-19[SSB-08-0-2-121421], 21L1105-20[SSB-08-2-12-121421], 21L1105-21[SSB-09-0-2-121421], 21L1105-22[SSB-09-2-12-121421], 21L1105-24[SSB-10-0-2-121421], B297690-BLK1

Bis(2-chloroisopropyl)ether

B297130-BLK1

Isophorone

21L1105-03[SSB-02-2-12-121321], 21L1105-23[EB-2-121421]

Nitrobenzene

21L1105-03[SSB-02-2-12-121321], 21L1105-23[EB-2-121421]

N-Nitrosodimethylamine

21L1105-04RE2[SSB-03-0-2-121321], 21L1105-25[SSB-10-2-12-121421], 21L1105-26[SSB-11-0-2-121421], 21L1105-27[SSB-11-2-12-121421], 21L1105-28[X-1-121421], 21L1105-29[X-2-121421], B297704-BLK1, B298298-BLK1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

4-Chloroaniline

21L1105-02[SSB-02-0-2-121321], 21L1105-03[SSB-02-2-12-121321], 21L1105-04[SSB-03-0-2-121321], 21L1105-05[SSB-03-2-12-121321], 21L1105-06[SSB-04-0-2-121321], 21L1105-07[SSB-04-2-12-121321], 21L1105-08[EB-1-121321], 21L1105-09[SSB-12-0-2-121321], 21L1105-10[SSB-12-2-12-121321], 21L1105-11[SSB-07-0-2-121321], 21L1105-12[SSB-07-2-12-121321], 21L1105-13[SSB-05-0-2-121321], 21L1105-14[SSB-05-2-12-121321], 21L1105-16[SSB-01-2-12-121421], 21L1105-17[SSB-06-0-2-121421], 21L1105-18[SSB-06-2-12-121421], 21L1105-19[SSB-08-0-2-121421], 21L1105-20[SSB-08-2-12-121421], 21L1105-21[SSB-09-0-2-121421], 21L1105-22[SSB-09-2-12-121421], 21L1105-23[EB-2-121421], 21L1105-24[SSB-10-0-2-121421], B297130-BLK1, B297130-BS1, B297130-BSD1, B297434-BLK1, B297434-BS1, B297434-BSD1, B297690-BLK1, B297690-BS1, B297690-BSD1, B297690-MS2, B297690-MSD2, B298219-BLK1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is estimated.

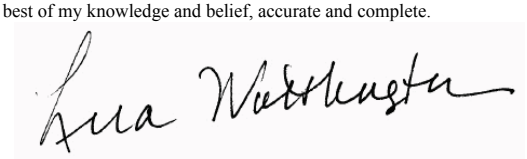
Analyte & Samples(s) Qualified:

Benzidine

21L1105-02[SSB-02-0-2-121321], 21L1105-03[SSB-02-2-12-121321], 21L1105-04[SSB-03-0-2-121321], 21L1105-04RE2[SSB-03-0-2-121321], 21L1105-05[SSB-03-2-12-121321], 21L1105-06[SSB-04-0-2-121321], 21L1105-07[SSB-04-2-12-121321], 21L1105-08[EB-1-121321], 21L1105-09[SSB-12-0-2-121321], 21L1105-10[SSB-12-2-12-121321], 21L1105-11[SSB-07-0-2-121321], 21L1105-12[SSB-07-2-12-121321], 21L1105-13[SSB-05-0-2-121321], 21L1105-14[SSB-05-2-12-121321], 21L1105-16[SSB-01-2-12-121421], 21L1105-17[SSB-06-0-2-121421], 21L1105-18[SSB-06-2-12-121421], 21L1105-19[SSB-08-0-2-121421], 21L1105-20[SSB-08-2-12-121421], 21L1105-21[SSB-09-0-2-121421], 21L1105-22[SSB-09-2-12-121421], 21L1105-23[EB-2-121421], 21L1105-24[SSB-10-0-2-121421], 21L1105-25[SSB-10-2-12-121421], 21L1105-26[SSB-11-0-2-121421], 21L1105-27[SSB-11-2-12-121421], 21L1105-28[X-1-121421], 21L1105-29[X-2-121421], B297434-BLK1, B297434-BS1, B297434-BSD1, B297690-BLK1, B297690-BS1, B297690-BSD1, B297690-MS2, B297690-MSD2, B297704-BLK1, B297704-BS1, B297704-BSD1, B298219-BLK1, B298298-BLK1, B298298-BS1, B298298-BSD1, B298298-MS1, B298298-MSD1

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The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

con-test® A Pace Analytical® Laboratory
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: Trip Blank- 121421 | Sampled: 12/14/2021 00:00

Sample ID: 21L1105-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	0.032	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Acrylonitrile	ND	0.0060	0.00097	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	0.00045	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Benzene	ND	0.0020	0.00047	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Bromobenzene	ND	0.0020	0.00034	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Bromochloromethane	ND	0.0020	0.00095	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Bromodichloromethane	ND	0.0020	0.00048	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Bromoform	ND	0.0020	0.00061	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Bromomethane	ND	0.010	0.0037	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
2-Butanone (MEK)	ND	0.040	0.012	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
tert-Butyl Alcohol (TBA)	ND	0.10	0.048	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
n-Butylbenzene	ND	0.0020	0.00051	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
sec-Butylbenzene	ND	0.0020	0.00097	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
tert-Butylbenzene	ND	0.0020	0.00085	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	0.00052	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Carbon Disulfide	ND	0.010	0.0071	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Carbon Tetrachloride	ND	0.0020	0.00078	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Chlorobenzene	ND	0.0020	0.00054	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Chlorodibromomethane	ND	0.0010	0.00051	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Chloroethane	ND	0.020	0.0035	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Chloroform	ND	0.0040	0.0010	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Chloromethane	ND	0.010	0.0032	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
2-Chlorotoluene	ND	0.0020	0.00046	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
4-Chlorotoluene	ND	0.0020	0.00035	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	0.00067	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	0.00062	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Dibromomethane	ND	0.0020	0.00073	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,2-Dichlorobenzene	ND	0.0020	0.00040	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,3-Dichlorobenzene	ND	0.0020	0.00043	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,4-Dichlorobenzene	ND	0.0020	0.00051	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	0.00057	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	0.0012	mg/Kg wet	1	V-05	SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,1-Dichloroethane	ND	0.0020	0.00050	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,2-Dichloroethane	ND	0.0020	0.00061	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,1-Dichloroethylene	ND	0.0040	0.0012	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
cis-1,2-Dichloroethylene	ND	0.0020	0.00053	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
trans-1,2-Dichloroethylene	ND	0.0020	0.00056	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,2-Dichloropropane	ND	0.0020	0.00047	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,3-Dichloropropane	ND	0.0010	0.00048	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
2,2-Dichloropropane	ND	0.0020	0.00077	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,1-Dichloropropene	ND	0.0020	0.00078	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
cis-1,3-Dichloropropene	ND	0.0010	0.00039	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
trans-1,3-Dichloropropene	ND	0.0010	0.00049	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Diethyl Ether	ND	0.020	0.0022	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: Trip Blank- 121421 | Sampled: 12/14/2021 00:00

Sample ID: 21L1105-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0010	0.00054	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,4-Dioxane	ND	0.10	0.022	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Ethylbenzene	ND	0.0020	0.00045	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Hexachlorobutadiene	ND	0.0020	0.00072	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
2-Hexanone (MBK)	ND	0.020	0.0058	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Isopropylbenzene (Cumene)	ND	0.0020	0.00072	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	0.00046	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Methyl Acetate	ND	0.0020	0.0014	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	0.00038	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Methyl Cyclohexane	ND	0.0020	0.00073	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Methylene Chloride	ND	0.020	0.00056	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	0.0044	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Naphthalene	ND	0.0040	0.00052	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
n-Propylbenzene	ND	0.0020	0.00039	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Styrene	ND	0.0020	0.00042	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	0.00055	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	0.00055	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Tetrachloroethylene	ND	0.0020	0.00055	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Tetrahydrofuran	ND	0.010	0.0025	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Toluene	ND	0.0020	0.00056	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,2,3-Trichlorobenzene	ND	0.0020	0.00055	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,2,4-Trichlorobenzene	ND	0.0020	0.00048	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,3,5-Trichlorobenzene	ND	0.0020	0.00049	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,1,1-Trichloroethane	ND	0.0020	0.00068	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,1,2-Trichloroethane	ND	0.0020	0.00046	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Trichloroethylene	ND	0.0020	0.00049	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	0.0036	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,2,3-Trichloropropane	ND	0.0020	0.00096	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	0.0027	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,2,4-Trimethylbenzene	ND	0.0020	0.00065	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
1,3,5-Trimethylbenzene	ND	0.0020	0.00044	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
Vinyl Chloride	ND	0.010	0.0030	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
m+p Xylene	ND	0.0040	0.00076	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF
o-Xylene	ND	0.0020	0.00041	mg/Kg wet	1		SW-846 8260D	12/16/21	12/16/21 9:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	117	70-130		12/16/21	9:31
Toluene-d8	100	70-130		12/16/21	9:31
4-Bromofluorobenzene	96.2	70-130		12/16/21	9:31

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-02-0-2-121321 | Sampled: 12/13/2021 10:00

Sample ID: 21L1105-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Acenaphthylene	ND	0.19	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Acetophenone	ND	0.38	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Aniline	ND	0.38	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Anthracene	ND	0.19	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Benzidine	ND	0.74	0.18	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Benzo(a)anthracene	0.062	0.19	0.053	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Benzo(a)pyrene	0.064	0.19	0.059	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Benzo(b)fluoranthene	0.094	0.19	0.058	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Benzo(g,h,i)perylene	ND	0.19	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Benzo(k)fluoranthene	ND	0.19	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Benzoic Acid	ND	1.1	0.46	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Bis(2-chloroethoxy)methane	ND	0.38	0.050	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Bis(2-chloroethyl)ether	ND	0.38	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Bis(2-chloroisopropyl)ether	ND	0.38	0.087	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Bis(2-Ethylhexyl)phthalate	0.13	0.38	0.064	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 17:35	IMR
4-Bromophenylphenylether	ND	0.38	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Butylbenzylphthalate	0.23	0.38	0.061	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Carbazole	ND	0.19	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
4-Chloroaniline	ND	0.74	0.051	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/29/21 17:35	IMR
4-Chloro-3-methylphenol	ND	0.74	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
2-Chloronaphthalene	ND	0.38	0.044	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
2-Chlorophenol	ND	0.38	0.053	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
4-Chlorophenylphenylether	ND	0.38	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Chrysene	0.073	0.19	0.055	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Dibenz(a,h)anthracene	ND	0.19	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Dibenzofuran	ND	0.38	0.057	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Di-n-butylphthalate	ND	0.38	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
1,2-Dichlorobenzene	ND	0.38	0.044	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
1,3-Dichlorobenzene	ND	0.38	0.042	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
1,4-Dichlorobenzene	ND	0.38	0.040	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
3,3-Dichlorobenzidine	ND	0.19	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
2,4-Dichlorophenol	ND	0.38	0.057	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Diethylphthalate	ND	0.38	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
2,4-Dimethylphenol	ND	0.38	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Dimethylphthalate	ND	0.38	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
4,6-Dinitro-2-methylphenol	ND	0.38	0.26	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
2,4-Dinitrophenol	ND	0.74	0.33	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
2,4-Dinitrotoluene	ND	0.38	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
2,6-Dinitrotoluene	ND	0.38	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Di-n-octylphthalate	ND	0.38	0.14	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.38	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Fluoranthene	0.14	0.19	0.061	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Fluorene	ND	0.19	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-02-0-2-121321 | Sampled: 12/13/2021 10:00

Sample ID: 21L1105-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.38	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Hexachlorobutadiene	ND	0.38	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Hexachlorocyclopentadiene	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Hexachloroethane	ND	0.38	0.046	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Indeno(1,2,3-cd)pyrene	ND	0.19	0.087	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Isophorone	ND	0.38	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
1-Methylnaphthalene	ND	0.19	0.053	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
2-Methylnaphthalene	ND	0.19	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
2-Methylphenol	ND	0.38	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
3/4-Methylphenol	ND	0.38	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Naphthalene	ND	0.19	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
2-Nitroaniline	ND	0.38	0.082	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 17:35	IMR
3-Nitroaniline	ND	0.38	0.065	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 17:35	IMR
4-Nitroaniline	ND	0.38	0.082	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Nitrobenzene	ND	0.38	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
2-Nitrophenol	ND	0.38	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
4-Nitrophenol	ND	0.74	0.16	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
N-Nitrosodimethylamine	ND	0.38	0.057	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	0.057	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
N-Nitrosodi-n-propylamine	ND	0.38	0.053	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Pentachloronitrobenzene	ND	0.38	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Pentachlorophenol	ND	0.38	0.17	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Phenanthrene	ND	0.19	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Phenol	ND	0.38	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Pyrene	0.11	0.19	0.061	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 17:35	IMR
Pyridine	ND	0.38	0.039	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.050	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
1,2,4-Trichlorobenzene	ND	0.38	0.048	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
2,4,5-Trichlorophenol	ND	0.38	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR
2,4,6-Trichlorophenol	ND	0.38	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:35	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	66.9	30-130		12/29/21 17:35
Phenol-d6	74.0	30-130		12/29/21 17:35
Nitrobenzene-d5	69.8	30-130		12/29/21 17:35
2-Fluorobiphenyl	65.4	30-130		12/29/21 17:35
2,4,6-Tribromophenol	88.4	30-130		12/29/21 17:35
p-Terphenyl-d14	73.1	30-130		12/29/21 17:35

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-02-0-2-121321 Sampled: 12/13/2021 10:00

Sample ID: 21L1105-02

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
9-Hexadecenoic acid	0.54	mg/Kg dry	357368	6.385	1	002091-29-4	94	SW-846 8270E	12/23/21	12/29/21 17:35	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-02-0-2-121321 Sampled: 12/13/2021 10:00

Sample ID: 21L1105-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.8			% Wt	1		SM 2540G	12/17/21	12/19/21 10:45	MJH

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-02-0-2-121321 Sampled: 12/13/2021 10:00

Sample ID: 21L1105-02

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane (SIM)	ND	3.3	1.5	µg/kg	1		SW-846 8270D-E		1/4/22 18:43	EFL

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-02-2-12-121321 | Sampled: 12/13/2021 10:15

Sample ID: 21L1105-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.053	0.017	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Acrylonitrile	ND	0.0032	0.00052	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00053	0.00024	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Benzene	ND	0.0011	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Bromobenzene	ND	0.0011	0.00018	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Bromochloromethane	ND	0.0011	0.00051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Bromodichloromethane	ND	0.0011	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Bromoform	ND	0.0011	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Bromomethane	ND	0.0053	0.0020	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
2-Butanone (MEK)	ND	0.021	0.0064	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
tert-Butyl Alcohol (TBA)	ND	0.053	0.026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
n-Butylbenzene	ND	0.0011	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
sec-Butylbenzene	ND	0.0011	0.00052	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
tert-Butylbenzene	ND	0.0011	0.00045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00053	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Carbon Disulfide	ND	0.0053	0.0038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Carbon Tetrachloride	ND	0.0011	0.00041	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Chlorobenzene	ND	0.0011	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Chlorodibromomethane	ND	0.00053	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Chloroethane	ND	0.011	0.0019	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Chloroform	ND	0.0021	0.00053	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Chloromethane	ND	0.0053	0.0017	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
2-Chlorotoluene	ND	0.0011	0.00024	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
4-Chlorotoluene	ND	0.0011	0.00019	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0011	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,2-Dibromoethane (EDB)	ND	0.00053	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Dibromomethane	ND	0.0011	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,2-Dichlorobenzene	ND	0.0011	0.00021	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,3-Dichlorobenzene	ND	0.0011	0.00023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,4-Dichlorobenzene	ND	0.0011	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
trans-1,4-Dichloro-2-butene	ND	0.0021	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.011	0.00061	mg/Kg dry	1	V-05	SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,1-Dichloroethane	ND	0.0011	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,2-Dichloroethane	ND	0.0011	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,1-Dichloroethylene	ND	0.0021	0.00066	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
cis-1,2-Dichloroethylene	ND	0.0011	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
trans-1,2-Dichloroethylene	ND	0.0011	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,2-Dichloropropane	ND	0.0011	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,3-Dichloropropane	ND	0.00053	0.00026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
2,2-Dichloropropane	ND	0.0011	0.00041	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,1-Dichloropropene	ND	0.0011	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
cis-1,3-Dichloropropene	ND	0.00053	0.00021	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
trans-1,3-Dichloropropene	ND	0.00053	0.00026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Diethyl Ether	ND	0.011	0.0012	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-02-2-12-121321 | Sampled: 12/13/2021 10:15

Sample ID: 21L1105-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00053	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,4-Dioxane	ND	0.053	0.012	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Ethylbenzene	ND	0.0011	0.00024	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Hexachlorobutadiene	ND	0.0011	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
2-Hexanone (MBK)	ND	0.011	0.0031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Isopropylbenzene (Cumene)	ND	0.0011	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0011	0.00024	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Methyl Acetate	ND	0.0011	0.00072	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0021	0.00020	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Methyl Cyclohexane	ND	0.0011	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Methylene Chloride	ND	0.011	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.011	0.0023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Naphthalene	ND	0.0021	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
n-Propylbenzene	ND	0.0011	0.00021	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Styrene	ND	0.0011	0.00023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,1,1,2-Tetrachloroethane	ND	0.0011	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,1,2,2-Tetrachloroethane	ND	0.00053	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Tetrachloroethylene	ND	0.0011	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Tetrahydrofuran	ND	0.0053	0.0014	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Toluene	ND	0.0011	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,2,3-Trichlorobenzene	ND	0.0011	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,2,4-Trichlorobenzene	ND	0.0011	0.00026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,3,5-Trichlorobenzene	ND	0.0011	0.00026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,1,1-Trichloroethane	ND	0.0011	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,1,2-Trichloroethane	ND	0.0011	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Trichloroethylene	ND	0.0011	0.00026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0053	0.0019	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,2,3-Trichloropropane	ND	0.0011	0.00051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0053	0.0014	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,2,4-Trimethylbenzene	ND	0.0011	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
1,3,5-Trimethylbenzene	ND	0.0011	0.00023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
Vinyl Chloride	ND	0.0053	0.0016	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
m+p Xylene	ND	0.0021	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF
o-Xylene	ND	0.0011	0.00022	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:56	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	115	70-130		12/16/21	9:56
Toluene-d8	101	70-130		12/16/21	9:56
4-Bromofluorobenzene	94.1	70-130		12/16/21	9:56

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-02-2-12-121321 Sampled: 12/13/2021 10:15

Sample ID: 21L1105-03

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	12/16/21	12/16/21 9:56	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-02-2-12-121321 | Sampled: 12/13/2021 10:15

Sample ID: 21L1105-03

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.38	0.12	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Acenaphthylene	ND	0.38	0.12	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Acetophenone	ND	0.75	0.10	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Aniline	ND	0.75	0.16	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Anthracene	ND	0.38	0.12	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Benzidine	ND	1.5	0.34	mg/Kg dry	2	V-05, V-35	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Benzo(a)anthracene	0.22	0.38	0.10	mg/Kg dry	2	J	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Benzo(a)pyrene	0.21	0.38	0.12	mg/Kg dry	2	J	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Benzo(b)fluoranthene	0.27	0.38	0.11	mg/Kg dry	2	J	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Benzo(g,h,i)perylene	0.17	0.38	0.16	mg/Kg dry	2	J	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Benzo(k)fluoranthene	0.11	0.38	0.10	mg/Kg dry	2	J	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Benzoic Acid	ND	2.2	0.90	mg/Kg dry	2	V-06	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Bis(2-chloroethoxy)methane	ND	0.75	0.098	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Bis(2-chloroethyl)ether	ND	0.75	0.10	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Bis(2-chloroisopropyl)ether	ND	0.75	0.17	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.75	0.13	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
4-Bromophenylphenylether	ND	0.75	0.096	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Butylbenzylphthalate	ND	0.75	0.12	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Carbazole	ND	0.38	0.12	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
4-Chloroaniline	ND	1.5	0.10	mg/Kg dry	2	V-20, V-34	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
4-Chloro-3-methylphenol	ND	1.5	0.12	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
2-Chloronaphthalene	ND	0.75	0.087	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
2-Chlorophenol	ND	0.75	0.10	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
4-Chlorophenylphenylether	ND	0.75	0.11	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Chrysene	0.23	0.38	0.11	mg/Kg dry	2	J	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Dibenz(a,h)anthracene	ND	0.38	0.15	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Dibenzofuran	ND	0.75	0.11	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Di-n-butylphthalate	ND	0.75	0.11	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
1,2-Dichlorobenzene	ND	0.75	0.086	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
1,3-Dichlorobenzene	ND	0.75	0.083	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
1,4-Dichlorobenzene	ND	0.75	0.079	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
3,3-Dichlorobenzidine	ND	0.38	0.11	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
2,4-Dichlorophenol	ND	0.75	0.11	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Diethylphthalate	ND	0.75	0.11	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
2,4-Dimethylphenol	ND	0.75	0.21	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Dimethylphthalate	ND	0.75	0.11	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
4,6-Dinitro-2-methylphenol	ND	0.75	0.51	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
2,4-Dinitrophenol	ND	1.5	0.65	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
2,4-Dinitrotoluene	ND	0.75	0.15	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
2,6-Dinitrotoluene	ND	0.75	0.13	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Di-n-octylphthalate	ND	0.75	0.27	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	0.75	0.11	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Fluoranthene	0.40	0.38	0.12	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Fluorene	ND	0.38	0.13	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-02-2-12-121321 | Sampled: 12/13/2021 10:15

Sample ID: 21L1105-03

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.75	0.10	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Hexachlorobutadiene	ND	0.75	0.096	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Hexachlorocyclopentadiene	ND	0.75	0.31	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Hexachloroethane	ND	0.75	0.089	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Indeno(1,2,3-cd)pyrene	ND	0.38	0.17	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Isophorone	ND	0.75	0.13	mg/Kg dry	2	V-20	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
1-Methylnaphthalene	ND	0.38	0.10	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
2-Methylnaphthalene	ND	0.38	0.12	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
2-Methylphenol	ND	0.75	0.14	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
3/4-Methylphenol	ND	0.75	0.12	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Naphthalene	ND	0.38	0.10	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
2-Nitroaniline	ND	0.75	0.16	mg/Kg dry	2	V-20	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
3-Nitroaniline	ND	0.75	0.13	mg/Kg dry	2	V-20	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
4-Nitroaniline	ND	0.75	0.16	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Nitrobenzene	ND	0.75	0.11	mg/Kg dry	2	V-20	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
2-Nitrophenol	ND	0.75	0.12	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
4-Nitrophenol	ND	1.5	0.31	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
N-Nitrosodimethylamine	ND	0.75	0.11	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.75	0.11	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
N-Nitrosodi-n-propylamine	ND	0.75	0.10	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Pentachloronitrobenzene	ND	0.75	0.13	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Pentachlorophenol	ND	0.75	0.33	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Phenanthrene	0.26	0.38	0.12	mg/Kg dry	2	J	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Phenol	ND	0.75	0.11	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Pyrene	0.43	0.38	0.12	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Pyridine	ND	0.75	0.077	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.75	0.098	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
1,2,4-Trichlorobenzene	ND	0.75	0.094	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
2,4,5-Trichlorophenol	ND	0.75	0.12	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
2,4,6-Trichlorophenol	ND	0.75	0.12	mg/Kg dry	2		SW-846 8270E	12/23/21	12/30/21 10:27	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.2	30-130		12/30/21 10:27
Phenol-d6	53.5	30-130		12/30/21 10:27
Nitrobenzene-d5	50.6	30-130		12/30/21 10:27
2-Fluorobiphenyl	49.1	30-130		12/30/21 10:27
2,4,6-Tribromophenol	46.5	30-130		12/30/21 10:27
p-Terphenyl-d14	52.9	30-130		12/30/21 10:27

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-02-2-12-121321 Sampled: 12/13/2021 10:15

Sample ID: 21L1105-03

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
.beta.-Sitosterol	0.84	mg/Kg dry	259461	13.793	2	000083-46-5	93	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Cyclotetracosane	2.3	mg/Kg dry	709995	10.984	2	000297-03-0	87	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
n-Hexadecanoic acid	0.84	mg/Kg dry	414734	6.411	2	000057-10-3	98	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Octacosane	0.82	mg/Kg dry	251922	12.413	2	000630-02-4	87	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Oxacycloheptadecan-2-one	0.38	mg/Kg dry	187448	6.388	2	000109-29-5	93	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Oxirane, heptadecyl-	1.2	mg/Kg dry	377642	12.034	2	067860-04-2	95	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Phosphine imide, P,P,P-trip...	0.62	mg/Kg dry	263636	8.79	2	002240-47-3	93	SW-846 8270E	12/23/21	12/30/21 10:27	BGL
Tentatively Identified Compounds	0.0	mg/Kg dry			2	NA		SW-846 8270E	12/23/21	12/30/21 10:27	BGL
No TICs Found	0.0	mg/Kg dry			2			SW-846 8270E	12/23/21	12/30/21 10:27	BGL

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-02-2-12-121321 Sampled: 12/13/2021 10:15

Sample ID: 21L1105-03

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	0.053	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:05	SFM
Aroclor-1221 [1]	ND	0.089	0.058	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:05	SFM
Aroclor-1232 [1]	ND	0.089	0.040	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:05	SFM
Aroclor-1242 [1]	ND	0.089	0.044	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:05	SFM
Aroclor-1248 [1]	ND	0.089	0.053	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:05	SFM
Aroclor-1254 [1]	ND	0.089	0.058	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:05	SFM
Aroclor-1260 [1]	ND	0.089	0.062	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:05	SFM
Aroclor-1262 [1]	ND	0.089	0.044	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:05	SFM
Aroclor-1268 [1]	ND	0.089	0.035	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:05	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.7	30-150		12/30/21 16:05
Decachlorobiphenyl [2]	94.9	30-150		12/30/21 16:05
Tetrachloro-m-xylene [1]	86.1	30-150		12/30/21 16:05
Tetrachloro-m-xylene [2]	98.1	30-150		12/30/21 16:05

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-02-2-12-121321 Sampled: 12/13/2021 10:15

Sample ID: 21L1105-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	4800	18	6.7	mg/Kg dry	1	MS-19	SW-846 6010D	12/28/21	12/29/21 19:43	QNW
Antimony	ND	1.8	0.72	mg/Kg dry	1	MS-07	SW-846 6010D	1/3/22	1/6/22 13:48	MJH
Arsenic	6.0	3.7	1.3	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:43	QNW
Barium	29	1.8	0.70	mg/Kg dry	1	MS-07	SW-846 6010D	12/28/21	12/29/21 19:43	QNW
Beryllium	0.32	0.18	0.069	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:43	QNW
Cadmium	ND	0.37	0.19	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:43	QNW
Calcium	150000	370	140	mg/Kg dry	20	MS-19	SW-846 6010D	12/28/21	1/3/22 13:30	MJH
Chromium	6.0	0.73	0.42	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:43	QNW
Cobalt	2.1	1.8	0.67	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:43	QNW
Copper	14	0.73	0.35	mg/Kg dry	1	R-02	SW-846 6010D	12/28/21	12/30/21 15:46	MJH
Iron	7300	18	7.4	mg/Kg dry	1	MS-19	SW-846 6010D	12/28/21	12/29/21 19:43	QNW
Lead	7.1	0.55	0.27	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:43	QNW
Magnesium	6700	18	6.4	mg/Kg dry	1	MS-19	SW-846 6010D	12/28/21	12/29/21 19:43	QNW
Manganese	320	0.37	0.14	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:43	QNW
Mercury	0.018	0.029	0.0099	mg/Kg dry	1	J	SW-846 7471B	12/22/21	12/27/21 9:36	DRL
Nickel	5.0	0.73	0.37	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:43	QNW
Potassium	940	910	340	mg/Kg dry	5	MS-19	SW-846 6010D	12/28/21	1/3/22 14:38	MJH
Selenium	ND	3.7	1.3	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:43	QNW
Silver	ND	0.37	0.17	mg/Kg dry	1		SW-846 6010D	12/28/21	12/30/21 15:46	MJH
Sodium	110	180	71	mg/Kg dry	1	J	SW-846 6010D	12/28/21	12/29/21 19:43	QNW
Thallium	ND	1.8	0.88	mg/Kg dry	1	MS-14	SW-846 6010D	12/28/21	12/29/21 19:43	QNW
Vanadium	8.6	0.73	0.36	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:43	QNW
Zinc	56	0.73	0.47	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:43	QNW

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-02-2-12-121321 Sampled: 12/13/2021 10:15

Sample ID: 21L1105-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.3			% Wt	1		SM 2540G	12/17/21	12/19/21 10:45	MJH
Cyanide	ND	0.49	0.35	mg/Kg dry	1		SW-846 9014	12/22/21	12/22/21 23:20	DJM

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-03-0-2-121321 | Sampled: 12/13/2021 10:50

Sample ID: 21L1105-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Acenaphthene	1.5	1.1	0.33	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Acenaphthylene	ND	0.21	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Acenaphthylene	ND	1.1	0.33	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Acetophenone	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Acetophenone	ND	2.1	0.29	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Aniline	ND	0.43	0.089	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Aniline	ND	2.1	0.44	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Anthracene	ND	0.21	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Anthracene	8.5	1.1	0.35	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Benzidine	ND	0.83	0.20	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Benzidine	ND	4.1	0.98	mg/Kg dry	5	MS-09, V-05, V-35	SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Benzo(a)anthracene	ND	0.21	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Benzo(a)anthracene	45	11	3.0	mg/Kg dry	50		SW-846 8270E	1/4/22	1/5/22 14:43	BGL
Benzo(a)pyrene	ND	0.21	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Benzo(a)pyrene	47	11	3.3	mg/Kg dry	50		SW-846 8270E	1/4/22	1/5/22 14:43	BGL
Benzo(b)fluoranthene	ND	0.21	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Benzo(b)fluoranthene	70	11	3.2	mg/Kg dry	50		SW-846 8270E	1/4/22	1/5/22 14:43	BGL
Benzo(g,h,i)perylene	ND	0.21	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Benzo(g,h,i)perylene	29	11	4.5	mg/Kg dry	50		SW-846 8270E	1/4/22	1/5/22 14:43	BGL
Benzo(k)fluoranthene	ND	0.21	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Benzo(k)fluoranthene	28	11	2.9	mg/Kg dry	50		SW-846 8270E	1/4/22	1/5/22 14:43	BGL
Benzoic Acid	ND	1.3	0.51	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Benzoic Acid	ND	6.3	2.5	mg/Kg dry	5	MS-09	SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Bis(2-chloroethoxy)methane	ND	0.43	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Bis(2-chloroethoxy)methane	ND	2.1	0.28	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Bis(2-chloroethyl)ether	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Bis(2-chloroethyl)ether	ND	2.1	0.29	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Bis(2-chloroisopropyl)ether	ND	0.43	0.097	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Bis(2-chloroisopropyl)ether	ND	2.1	0.49	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Bis(2-Ethylhexyl)phthalate	ND	2.1	0.36	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
4-Bromophenylphenylether	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
4-Bromophenylphenylether	ND	2.1	0.27	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Butylbenzylphthalate	ND	0.43	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Butylbenzylphthalate	ND	2.1	0.34	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Carbazole	ND	0.21	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Carbazole	9.0	1.1	0.35	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
4-Chloroaniline	ND	0.83	0.057	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/29/21 18:31	IMR
4-Chloroaniline	ND	4.1	0.28	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
4-Chloro-3-methylphenol	ND	0.83	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
4-Chloro-3-methylphenol	ND	4.1	0.35	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
2-Chloronaphthalene	ND	0.43	0.050	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-03-0-2-121321 | Sampled: 12/13/2021 10:50

Sample ID: 21L1105-04

Sample Matrix: Soil

Sample Flags: RL-12

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Chloronaphthalene	ND	2.1	0.25	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
2-Chlorophenol	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
2-Chlorophenol	ND	2.1	0.30	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
4-Chlorophenylphenylether	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
4-Chlorophenylphenylether	ND	2.1	0.30	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Chrysene	ND	0.21	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Chrysene	56	11	3.1	mg/Kg dry	50		SW-846 8270E	1/4/22	1/5/22 14:43	BGL
Dibenz(a,h)anthracene	ND	0.21	0.087	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Dibenz(a,h)anthracene	8.1	1.1	0.43	mg/Kg dry	5	MS-09	SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Dibenzofuran	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Dibenzofuran	1.5	2.1	0.31	mg/Kg dry	5	J	SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Di-n-butylphthalate	ND	0.43	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Di-n-butylphthalate	ND	2.1	0.30	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
1,2-Dichlorobenzene	ND	0.43	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
1,2-Dichlorobenzene	ND	2.1	0.24	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
1,3-Dichlorobenzene	ND	0.43	0.047	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
1,3-Dichlorobenzene	ND	2.1	0.23	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
1,4-Dichlorobenzene	ND	0.43	0.045	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
1,4-Dichlorobenzene	ND	2.1	0.22	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
3,3-Dichlorobenzidine	ND	0.21	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
3,3-Dichlorobenzidine	ND	1.1	0.31	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
2,4-Dichlorophenol	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
2,4-Dichlorophenol	ND	2.1	0.32	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Diethylphthalate	ND	0.43	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Diethylphthalate	ND	2.1	0.33	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
2,4-Dimethylphenol	ND	0.43	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
2,4-Dimethylphenol	ND	2.1	0.58	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Dimethylphthalate	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Dimethylphthalate	ND	2.1	0.31	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
4,6-Dinitro-2-methylphenol	ND	0.43	0.29	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
4,6-Dinitro-2-methylphenol	ND	2.1	1.4	mg/Kg dry	5	MS-09	SW-846 8270E	1/4/22	1/5/22 13:22	BGL
2,4-Dinitrophenol	ND	0.83	0.37	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
2,4-Dinitrophenol	ND	4.1	1.8	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
2,4-Dinitrotoluene	ND	0.43	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
2,4-Dinitrotoluene	ND	2.1	0.42	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
2,6-Dinitrotoluene	ND	0.43	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
2,6-Dinitrotoluene	ND	2.1	0.35	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Di-n-octylphthalate	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Di-n-octylphthalate	ND	2.1	0.75	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	2.1	0.31	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Fluoranthene	ND	0.21	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Fluoranthene	130	11	3.4	mg/Kg dry	50		SW-846 8270E	1/4/22	1/5/22 14:43	BGL
Fluorene	ND	0.21	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-03-0-2-121321 | Sampled: 12/13/2021 10:50

Sample ID: 21L1105-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene	2.4	1.1	0.36	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Hexachlorobenzene	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Hexachlorobenzene	ND	2.1	0.29	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Hexachlorobutadiene	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Hexachlorobutadiene	ND	2.1	0.27	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Hexachlorocyclopentadiene	ND	0.43	0.18	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Hexachlorocyclopentadiene	ND	2.1	0.89	mg/Kg dry	5	MS-09, V-05	SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Hexachloroethane	ND	0.43	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Hexachloroethane	ND	2.1	0.25	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	0.097	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Indeno(1,2,3-cd)pyrene	35	11	4.8	mg/Kg dry	50		SW-846 8270E	1/4/22	1/5/22 14:43	BGL
Isophorone	ND	0.43	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Isophorone	ND	2.1	0.36	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
1-Methylnaphthalene	ND	0.21	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
1-Methylnaphthalene	ND	1.1	0.29	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
2-Methylnaphthalene	ND	0.21	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
2-Methylnaphthalene	ND	1.1	0.34	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
2-Methylphenol	ND	0.43	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
2-Methylphenol	ND	2.1	0.39	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
3/4-Methylphenol	ND	0.43	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
3/4-Methylphenol	ND	2.1	0.34	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Naphthalene	ND	0.21	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Naphthalene	0.40	1.1	0.29	mg/Kg dry	5	J	SW-846 8270E	1/4/22	1/5/22 13:22	BGL
2-Nitroaniline	ND	0.43	0.091	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 18:31	IMR
2-Nitroaniline	ND	2.1	0.45	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
3-Nitroaniline	ND	0.43	0.073	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 18:31	IMR
3-Nitroaniline	ND	2.1	0.36	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
4-Nitroaniline	ND	0.43	0.092	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 18:31	IMR
4-Nitroaniline	ND	2.1	0.46	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Nitrobenzene	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Nitrobenzene	ND	2.1	0.31	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
2-Nitrophenol	ND	0.43	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
2-Nitrophenol	ND	2.1	0.33	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
4-Nitrophenol	ND	0.83	0.17	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
4-Nitrophenol	ND	4.1	0.86	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
N-Nitrosodimethylamine	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
N-Nitrosodimethylamine	ND	2.1	0.32	mg/Kg dry	5	V-20	SW-846 8270E	1/4/22	1/5/22 13:22	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	2.1	0.32	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
N-Nitrosodi-n-propylamine	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
N-Nitrosodi-n-propylamine	ND	2.1	0.29	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Pentachloronitrobenzene	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Pentachloronitrobenzene	ND	2.1	0.36	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-03-0-2-121321 | Sampled: 12/13/2021 10:50

Sample ID: 21L1105-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Pentachlorophenol	ND	0.43	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Pentachlorophenol	ND	2.1	0.93	mg/Kg dry	5	MS-09	SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Phenanthrene	ND	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Phenanthrene	47	11	3.4	mg/Kg dry	50		SW-846 8270E	1/4/22	1/5/22 14:43	BGL
Phenol	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Phenol	ND	2.1	0.30	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
Pyrene	ND	0.21	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Pyrene	92	11	3.4	mg/Kg dry	50		SW-846 8270E	1/4/22	1/5/22 14:43	BGL
Pyridine	ND	0.43	0.044	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
Pyridine	ND	2.1	0.22	mg/Kg dry	5	R-06	SW-846 8270E	1/4/22	1/5/22 13:22	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.43	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
1,2,4,5-Tetrachlorobenzene	ND	2.1	0.28	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
1,2,4-Trichlorobenzene	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
1,2,4-Trichlorobenzene	ND	2.1	0.27	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
2,4,5-Trichlorophenol	ND	0.43	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
2,4,5-Trichlorophenol	ND	2.1	0.33	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL
2,4,6-Trichlorophenol	ND	0.43	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	IMR
2,4,6-Trichlorophenol	ND	2.1	0.33	mg/Kg dry	5		SW-846 8270E	1/4/22	1/5/22 13:22	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	65.4		30-130		12/29/21 18:31
2-Fluorophenol	77.1		30-130		1/5/22 13:22
2-Fluorophenol		*	30-130	S-01	1/5/22 14:43
Phenol-d6	68.9		30-130		12/29/21 18:31
Phenol-d6	80.0		30-130		1/5/22 13:22
Phenol-d6		*	30-130	S-01	1/5/22 14:43
Nitrobenzene-d5	65.1		30-130		12/29/21 18:31
Nitrobenzene-d5	74.2		30-130		1/5/22 13:22
Nitrobenzene-d5		*	30-130	S-01	1/5/22 14:43
2-Fluorobiphenyl	56.4		30-130		12/29/21 18:31
2-Fluorobiphenyl	70.0		30-130		1/5/22 13:22
2-Fluorobiphenyl		*	30-130	S-01	1/5/22 14:43
2,4,6-Tribromophenol	75.4		30-130		12/29/21 18:31
2,4,6-Tribromophenol	64.0		30-130		1/5/22 13:22
2,4,6-Tribromophenol		*	30-130	S-01	1/5/22 14:43
p-Terphenyl-d14	62.9		30-130		12/29/21 18:31
p-Terphenyl-d14	69.4		30-130		1/5/22 13:22
p-Terphenyl-d14		*	30-130	S-01	1/5/22 14:43

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-03-0-2-121321 Sampled: 12/13/2021 10:50

Sample ID: 21L1105-04

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8270E	12/23/21	12/29/21 18:31	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-03-0-2-121321 Sampled: 12/13/2021 10:50

Sample ID: 21L1105-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.5			% Wt	1		SM 2540G	12/17/21	12/19/21 10:45	MJH

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-03-2-12-121321 | Sampled: 12/13/2021 11:00

Sample ID: 21L1105-05

Sample Matrix: Soil

Sample Flags: RL-12

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2.4	0.11	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Acrylonitrile	ND	0.24	0.033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.024	0.0072	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Benzene	ND	0.048	0.0062	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Bromobenzene	ND	0.048	0.0062	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Bromochloromethane	ND	0.048	0.017	mg/Kg dry	1	V-05	SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Bromodichloromethane	ND	0.048	0.0067	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Bromoform	ND	0.048	0.014	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Bromomethane	ND	0.096	0.051	mg/Kg dry	1	V-05	SW-846 8260D	12/16/21	12/18/21 5:07	EEH
2-Butanone (MEK)	ND	0.96	0.090	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
tert-Butyl Alcohol (TBA)	ND	0.96	0.26	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
n-Butylbenzene	ND	0.048	0.0067	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
sec-Butylbenzene	ND	0.048	0.0048	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
tert-Butylbenzene	ND	0.048	0.0043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.024	0.0053	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Carbon Disulfide	ND	0.24	0.073	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Carbon Tetrachloride	ND	0.048	0.0081	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Chlorobenzene	ND	0.048	0.0038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Chlorodibromomethane	ND	0.024	0.0077	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Chloroethane	ND	0.096	0.018	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Chloroform	ND	0.096	0.0091	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Chloromethane	ND	0.096	0.018	mg/Kg dry	1	V-05, R-05	SW-846 8260D	12/16/21	12/18/21 5:07	EEH
2-Chlorotoluene	ND	0.048	0.0043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
4-Chlorotoluene	ND	0.048	0.0048	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.24	0.034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,2-Dibromoethane (EDB)	ND	0.024	0.0072	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Dibromomethane	ND	0.048	0.014	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,2-Dichlorobenzene	ND	0.048	0.0048	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,3-Dichlorobenzene	ND	0.048	0.0043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,4-Dichlorobenzene	ND	0.048	0.0053	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
trans-1,4-Dichloro-2-butene	ND	0.096	0.086	mg/Kg dry	1	V-05, L-04	SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Dichlorodifluoromethane (Freon 12)	ND	0.096	0.0096	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,1-Dichloroethane	ND	0.048	0.0077	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,2-Dichloroethane	ND	0.048	0.015	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,1-Dichloroethylene	ND	0.048	0.0077	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
cis-1,2-Dichloroethylene	ND	0.048	0.0072	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
trans-1,2-Dichloroethylene	ND	0.048	0.0081	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,2-Dichloropropane	ND	0.048	0.0086	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,3-Dichloropropane	ND	0.024	0.0057	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
2,2-Dichloropropane	ND	0.048	0.015	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,1-Dichloropropene	ND	0.096	0.012	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
cis-1,3-Dichloropropene	ND	0.024	0.0057	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
trans-1,3-Dichloropropene	ND	0.024	0.0072	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Diethyl Ether	ND	0.096	0.011	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-03-2-12-121321 | Sampled: 12/13/2021 11:00

Sample ID: 21L1105-05

Sample Matrix: Soil

Sample Flags: RL-12

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.024	0.0072	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,4-Dioxane	ND	2.4	1.0	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Ethylbenzene	ND	0.048	0.0043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Hexachlorobutadiene	ND	0.048	0.020	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
2-Hexanone (MBK)	ND	0.48	0.066	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Isopropylbenzene (Cumene)	ND	0.048	0.0048	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
p-Isopropyltoluene (p-Cymene)	ND	0.048	0.0043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Methyl Acetate	0.29	0.48	0.019	mg/Kg dry	1	J	SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.048	0.0081	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Methyl Cyclohexane	ND	0.048	0.016	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Methylene Chloride	ND	0.24	0.014	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
4-Methyl-2-pentanone (MIBK)	ND	0.48	0.077	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Naphthalene	0.017	0.096	0.0072	mg/Kg dry	1	J	SW-846 8260D	12/16/21	12/18/21 5:07	EEH
n-Propylbenzene	ND	0.048	0.0038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Styrene	ND	0.048	0.0038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,1,1,2-Tetrachloroethane	ND	0.048	0.0067	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,1,2,2-Tetrachloroethane	ND	0.024	0.0043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Tetrachloroethylene	ND	0.048	0.0096	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Tetrahydrofuran	ND	0.48	0.028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Toluene	0.0072	0.048	0.0053	mg/Kg dry	1	J	SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,2,3-Trichlorobenzene	ND	0.24	0.0067	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,2,4-Trichlorobenzene	ND	0.048	0.0077	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,3,5-Trichlorobenzene	ND	0.048	0.0086	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,1,1-Trichloroethane	ND	0.048	0.0081	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,1,2-Trichloroethane	ND	0.048	0.0072	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Trichloroethylene	ND	0.048	0.0086	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Trichlorofluoromethane (Freon 11)	ND	0.096	0.0091	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,2,3-Trichloropropane	ND	0.096	0.015	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.048	0.011	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,2,4-Trimethylbenzene	0.0077	0.048	0.0048	mg/Kg dry	1	J	SW-846 8260D	12/16/21	12/18/21 5:07	EEH
1,3,5-Trimethylbenzene	ND	0.048	0.0048	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH
Vinyl Chloride	ND	0.096	0.0096	mg/Kg dry	1	V-05	SW-846 8260D	12/16/21	12/18/21 5:07	EEH
m+p Xylene	0.012	0.096	0.0086	mg/Kg dry	1	J	SW-846 8260D	12/16/21	12/18/21 5:07	EEH
o-Xylene	ND	0.048	0.0043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/18/21 5:07	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	118	70-130		12/18/21	5:07
Toluene-d8	106	70-130		12/18/21	5:07
4-Bromofluorobenzene	97.4	70-130		12/18/21	5:07

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-03-2-12-121321 Sampled: 12/13/2021 11:00

Sample ID: 21L1105-05

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			0.25			SW-846 8260D	12/16/21	12/18/21 5:07	EEH

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-03-2-12-121321 | Sampled: 12/13/2021 11:00

Sample ID: 21L1105-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.081	0.22	0.067	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Acenaphthylene	0.15	0.22	0.066	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Acetophenone	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Aniline	ND	0.43	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Anthracene	0.30	0.22	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Benzidine	ND	0.83	0.20	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Benzo(a)anthracene	0.87	0.22	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Benzo(a)pyrene	0.88	0.22	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Benzo(b)fluoranthene	1.1	0.22	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Benzo(g,h,i)perylene	0.50	0.22	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Benzo(k)fluoranthene	0.49	0.22	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Benzoic Acid	ND	1.3	0.51	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Bis(2-chloroethoxy)methane	ND	0.43	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Bis(2-chloroethyl)ether	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Bis(2-chloroisopropyl)ether	ND	0.43	0.098	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
4-Bromophenylphenylether	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Butylbenzylphthalate	ND	0.43	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Carbazole	0.17	0.22	0.071	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 18:59	IMR
4-Chloroaniline	ND	0.83	0.057	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/29/21 18:59	IMR
4-Chloro-3-methylphenol	ND	0.83	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
2-Chloronaphthalene	ND	0.43	0.050	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
2-Chlorophenol	ND	0.43	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
4-Chlorophenylphenylether	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Chrysene	0.93	0.22	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Dibenz(a,h)anthracene	0.13	0.22	0.087	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Dibenzofuran	0.14	0.43	0.063	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Di-n-butylphthalate	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
1,2-Dichlorobenzene	ND	0.43	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
1,3-Dichlorobenzene	ND	0.43	0.047	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
1,4-Dichlorobenzene	ND	0.43	0.045	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
3,3-Dichlorobenzidine	ND	0.22	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
2,4-Dichlorophenol	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Diethylphthalate	ND	0.43	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
2,4-Dimethylphenol	ND	0.43	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Dimethylphthalate	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
4,6-Dinitro-2-methylphenol	ND	0.43	0.29	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
2,4-Dinitrophenol	ND	0.83	0.37	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
2,4-Dinitrotoluene	ND	0.43	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
2,6-Dinitrotoluene	ND	0.43	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Di-n-octylphthalate	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Fluoranthene	2.0	0.22	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Fluorene	0.14	0.22	0.072	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 18:59	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-03-2-12-121321 Sampled: 12/13/2021 11:00

Sample ID: 21L1105-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Hexachlorobutadiene	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Hexachlorocyclopentadiene	ND	0.43	0.18	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Hexachloroethane	ND	0.43	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Indeno(1,2,3-cd)pyrene	0.58	0.22	0.097	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Isophorone	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
1-Methylnaphthalene	0.081	0.22	0.059	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 18:59	IMR
2-Methylnaphthalene	0.11	0.22	0.068	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 18:59	IMR
2-Methylphenol	ND	0.43	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
3/4-Methylphenol	ND	0.43	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Naphthalene	0.18	0.22	0.059	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 18:59	IMR
2-Nitroaniline	ND	0.43	0.092	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 18:59	IMR
3-Nitroaniline	ND	0.43	0.073	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 18:59	IMR
4-Nitroaniline	ND	0.43	0.092	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Nitrobenzene	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
2-Nitrophenol	ND	0.43	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
4-Nitrophenol	ND	0.83	0.17	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
N-Nitrosodimethylamine	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.43	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
N-Nitrosodi-n-propylamine	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Pentachloronitrobenzene	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Pentachlorophenol	ND	0.43	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Phenanthrene	1.6	0.22	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Phenol	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Pyrene	1.8	0.22	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Pyridine	ND	0.43	0.044	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.43	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
1,2,4-Trichlorobenzene	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
2,4,5-Trichlorophenol	ND	0.43	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR
2,4,6-Trichlorophenol	ND	0.43	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	57.6	30-130		12/29/21 18:59
Phenol-d6	64.6	30-130		12/29/21 18:59
Nitrobenzene-d5	65.0	30-130		12/29/21 18:59
2-Fluorobiphenyl	66.6	30-130		12/29/21 18:59
2,4,6-Tribromophenol	73.2	30-130		12/29/21 18:59
p-Terphenyl-d14	69.6	30-130		12/29/21 18:59

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-03-2-12-121321 Sampled: 12/13/2021 11:00

Sample ID: 21L1105-05

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
1-Docosene	0.30	mg/Kg dry	293439	9.578	1	001599-67-3	95	SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Ethanol, 2-(2-butoxyethoxy)-	0.55	mg/Kg dry	264394	3.991	1	000112-34-5	90	SW-846 8270E	12/23/21	12/29/21 18:59	IMR
Perylene	1.1	mg/Kg dry	511713	10.966	1	000198-55-0	98	SW-846 8270E	12/23/21	12/29/21 18:59	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-03-2-12-121321 Sampled: 12/13/2021 11:00

Sample ID: 21L1105-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.1			% Wt	1		SM 2540G	12/17/21	12/19/21 10:46	MJH

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-04-0-2-121321 | Sampled: 12/13/2021 11:20

Sample ID: 21L1105-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.17	0.27	0.085	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Acenaphthylene	ND	0.27	0.083	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Acetophenone	ND	0.54	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Aniline	ND	0.54	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Anthracene	0.89	0.27	0.088	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Benzidine	ND	1.0	0.25	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Benzo(a)anthracene	4.9	0.27	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Benzo(a)pyrene	5.1	0.27	0.083	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Benzo(b)fluoranthene	6.1	1.4	0.41	mg/Kg dry	5		SW-846 8270E	12/23/21	12/30/21 10:54	BGL
Benzo(g,h,i)perylene	4.0	0.27	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Benzo(k)fluoranthene	3.3	0.27	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Benzoic Acid	ND	1.6	0.64	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Bis(2-chloroethoxy)methane	ND	0.54	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Bis(2-chloroethyl)ether	ND	0.54	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Bis(2-chloroisopropyl)ether	ND	0.54	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.54	0.091	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
4-Bromophenylphenylether	ND	0.54	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Butylbenzylphthalate	ND	0.54	0.086	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Carbazole	0.66	0.27	0.089	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
4-Chloroaniline	ND	1.0	0.072	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/29/21 19:28	IMR
4-Chloro-3-methylphenol	ND	1.0	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
2-Chloronaphthalene	ND	0.54	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
2-Chlorophenol	ND	0.54	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
4-Chlorophenylphenylether	ND	0.54	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Chrysene	5.7	0.27	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Dibenz(a,h)anthracene	0.93	0.27	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Dibenzofuran	0.15	0.54	0.080	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Di-n-butylphthalate	ND	0.54	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
1,2-Dichlorobenzene	ND	0.54	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
1,3-Dichlorobenzene	ND	0.54	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
1,4-Dichlorobenzene	ND	0.54	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
3,3-Dichlorobenzidine	ND	0.27	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
2,4-Dichlorophenol	ND	0.54	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Diethylphthalate	ND	0.54	0.082	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
2,4-Dimethylphenol	ND	0.54	0.15	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Dimethylphthalate	ND	0.54	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
4,6-Dinitro-2-methylphenol	ND	0.54	0.36	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
2,4-Dinitrophenol	ND	1.0	0.47	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
2,4-Dinitrotoluene	ND	0.54	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
2,6-Dinitrotoluene	ND	0.54	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Di-n-octylphthalate	ND	0.54	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.54	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Fluoranthene	11	1.4	0.43	mg/Kg dry	5		SW-846 8270E	12/23/21	12/30/21 10:54	BGL
Fluorene	0.26	0.27	0.091	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 19:28	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-04-0-2-121321 Sampled: 12/13/2021 11:20

Sample ID: 21L1105-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.54	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Hexachlorobutadiene	ND	0.54	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Hexachlorocyclopentadiene	ND	0.54	0.23	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Hexachloroethane	ND	0.54	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Indeno(1,2,3-cd)pyrene	4.5	0.27	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Isophorone	ND	0.54	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
1-Methylnaphthalene	ND	0.27	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
2-Methylnaphthalene	ND	0.27	0.085	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
2-Methylphenol	ND	0.54	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
3/4-Methylphenol	ND	0.54	0.087	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Naphthalene	ND	0.27	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
2-Nitroaniline	ND	0.54	0.12	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 19:28	IMR
3-Nitroaniline	ND	0.54	0.092	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 19:28	IMR
4-Nitroaniline	ND	0.54	0.12	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Nitrobenzene	ND	0.54	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
2-Nitrophenol	ND	0.54	0.085	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
4-Nitrophenol	ND	1.0	0.22	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
N-Nitrosodimethylamine	ND	0.54	0.081	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.54	0.081	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
N-Nitrosodi-n-propylamine	ND	0.54	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Pentachloronitrobenzene	ND	0.54	0.091	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Pentachlorophenol	ND	0.54	0.24	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Phenanthrene	4.5	0.27	0.085	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Phenol	ND	0.54	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Pyrene	8.8	1.4	0.43	mg/Kg dry	5		SW-846 8270E	12/23/21	12/30/21 10:54	BGL
Pyridine	ND	0.54	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.54	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
1,2,4-Trichlorobenzene	ND	0.54	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
2,4,5-Trichlorophenol	ND	0.54	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR
2,4,6-Trichlorophenol	ND	0.54	0.083	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:28	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	55.3	30-130		12/29/21 19:28
2-Fluorophenol	51.2	30-130		12/30/21 10:54
Phenol-d6	62.9	30-130		12/29/21 19:28
Phenol-d6	59.2	30-130		12/30/21 10:54
Nitrobenzene-d5	64.5	30-130		12/29/21 19:28
Nitrobenzene-d5	58.5	30-130		12/30/21 10:54
2-Fluorobiphenyl	68.3	30-130		12/29/21 19:28
2-Fluorobiphenyl	55.8	30-130		12/30/21 10:54
2,4,6-Tribromophenol	72.9	30-130		12/29/21 19:28
2,4,6-Tribromophenol	48.3	30-130		12/30/21 10:54
p-Terphenyl-d14	66.7	30-130		12/29/21 19:28
p-Terphenyl-d14	54.6	30-130		12/30/21 10:54

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-04-0-2-121321 Sampled: 12/13/2021 11:20

Sample ID: 21L1105-06

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
4H-Cyclopenta[def]phenanthrene	1.5	mg/Kg dry	670901	6.499	1	000203-64-5	94	SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Benzene, 1-(1,5-dimethyl-4-...	1.7	mg/Kg dry	723844	5.072	1	000644-30-4	98	SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Cyclohexene, 1-methyl-4-(1-...	5.7	mg/Kg dry	1675530	3.391	1	005989-54-8	95	SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Docosane, 9-butyl-	2.2	mg/Kg dry	935638	12.413	1	055282-14-9	94	SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Perylene	6.0	mg/Kg dry	2549310	10.979	1	000198-55-0	99	SW-846 8270E	12/23/21	12/29/21 19:28	IMR
Phenanthrene, 2-methyl-	1.6	mg/Kg dry	704183	6.414	1	002531-84-2	91	SW-846 8270E	12/23/21	12/29/21 19:28	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-04-0-2-121321 Sampled: 12/13/2021 11:20

Sample ID: 21L1105-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	62.9			% Wt	1		SM 2540G	12/17/21	12/19/21 10:46	MJH

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-04-2-12-121321 | Sampled: 12/13/2021 11:35

Sample ID: 21L1105-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.031	0.071	0.023	mg/Kg dry	1	J	SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Acrylonitrile	ND	0.0043	0.00069	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00071	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Benzene	ND	0.0014	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Bromobenzene	ND	0.0014	0.00024	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Bromochloromethane	ND	0.0014	0.00068	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Bromodichloromethane	ND	0.0014	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Bromoform	ND	0.0014	0.00043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Bromomethane	ND	0.0071	0.0026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
2-Butanone (MEK)	ND	0.029	0.0086	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
tert-Butyl Alcohol (TBA)	ND	0.071	0.035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
n-Butylbenzene	ND	0.0014	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
sec-Butylbenzene	ND	0.0014	0.00069	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
tert-Butylbenzene	ND	0.0014	0.00060	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00071	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Carbon Disulfide	ND	0.0071	0.0051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Carbon Tetrachloride	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Chlorobenzene	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Chlorodibromomethane	ND	0.00071	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Chloroethane	ND	0.014	0.0025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Chloroform	ND	0.0029	0.00071	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Chloromethane	ND	0.0071	0.0023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
2-Chlorotoluene	ND	0.0014	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
4-Chlorotoluene	ND	0.0014	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	0.00048	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,2-Dibromoethane (EDB)	ND	0.00071	0.00044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Dibromomethane	ND	0.0014	0.00052	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,2-Dichlorobenzene	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,3-Dichlorobenzene	ND	0.0014	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,4-Dichlorobenzene	ND	0.0014	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
trans-1,4-Dichloro-2-butene	ND	0.0029	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	0.00082	mg/Kg dry	1	V-05	SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,1-Dichloroethane	ND	0.0014	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,2-Dichloroethane	ND	0.0014	0.00044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,1-Dichloroethylene	ND	0.0029	0.00089	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
cis-1,2-Dichloroethylene	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
trans-1,2-Dichloroethylene	ND	0.0014	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,2-Dichloropropane	ND	0.0014	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,3-Dichloropropane	ND	0.00071	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
2,2-Dichloropropane	ND	0.0014	0.00055	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,1-Dichloropropene	ND	0.0014	0.00056	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
cis-1,3-Dichloropropene	ND	0.00071	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
trans-1,3-Dichloropropene	ND	0.00071	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Diethyl Ether	ND	0.014	0.0016	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-04-2-12-121321 | Sampled: 12/13/2021 11:35

Sample ID: 21L1105-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00071	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,4-Dioxane	ND	0.071	0.016	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Ethylbenzene	ND	0.0014	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Hexachlorobutadiene	ND	0.0014	0.00051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
2-Hexanone (MBK)	ND	0.014	0.0041	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Isopropylbenzene (Cumene)	ND	0.0014	0.00051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Methyl Acetate	ND	0.0014	0.00097	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0029	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Methyl Cyclohexane	ND	0.0014	0.00052	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Methylene Chloride	ND	0.014	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	0.0031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Naphthalene	ND	0.0029	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
n-Propylbenzene	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Styrene	ND	0.0014	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.00071	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Tetrachloroethylene	ND	0.0014	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Tetrahydrofuran	ND	0.0071	0.0018	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Toluene	ND	0.0014	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,2,3-Trichlorobenzene	ND	0.0014	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,2,4-Trichlorobenzene	ND	0.0014	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,3,5-Trichlorobenzene	ND	0.0014	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,1,1-Trichloroethane	ND	0.0014	0.00049	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,1,2-Trichloroethane	ND	0.0014	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Trichloroethylene	ND	0.0014	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0071	0.0026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,2,3-Trichloropropane	ND	0.0014	0.00068	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0071	0.0019	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,2,4-Trimethylbenzene	ND	0.0014	0.00046	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
1,3,5-Trimethylbenzene	ND	0.0014	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
Vinyl Chloride	ND	0.0071	0.0022	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
m+p Xylene	ND	0.0029	0.00054	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF
o-Xylene	ND	0.0014	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 11:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		12/16/21 11:39
Toluene-d8	100	70-130		12/16/21 11:39
4-Bromofluorobenzene	92.2	70-130		12/16/21 11:39

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-04-2-12-121321 Sampled: 12/13/2021 11:35

Sample ID: 21L1105-07

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	12/16/21	12/16/21 11:39	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-04-2-12-121321 | Sampled: 12/13/2021 11:35

Sample ID: 21L1105-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.097	0.24	0.075	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Acenaphthylene	ND	0.24	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Acetophenone	ND	0.48	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Aniline	ND	0.48	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Anthracene	0.48	0.24	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Benzidine	ND	0.93	0.22	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Benzo(a)anthracene	1.9	0.24	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Benzo(a)pyrene	2.0	0.24	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Benzo(b)fluoranthene	2.8	0.24	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Benzo(g,h,i)perylene	1.4	0.24	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Benzo(k)fluoranthene	1.2	0.24	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Benzoic Acid	ND	1.4	0.57	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Bis(2-chloroethoxy)methane	ND	0.48	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Bis(2-chloroethyl)ether	ND	0.48	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Bis(2-chloroisopropyl)ether	ND	0.48	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.48	0.081	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
4-Bromophenylphenylether	ND	0.48	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Butylbenzylphthalate	ND	0.48	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Carbazole	0.25	0.24	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
4-Chloroaniline	ND	0.93	0.064	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/29/21 19:54	IMR
4-Chloro-3-methylphenol	ND	0.93	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
2-Chloronaphthalene	ND	0.48	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
2-Chlorophenol	ND	0.48	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
4-Chlorophenylphenylether	ND	0.48	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Chrysene	2.1	0.24	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Dibenz(a,h)anthracene	0.31	0.24	0.097	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Dibenzofuran	ND	0.48	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Di-n-butylphthalate	ND	0.48	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
1,2-Dichlorobenzene	ND	0.48	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
1,3-Dichlorobenzene	ND	0.48	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
1,4-Dichlorobenzene	ND	0.48	0.050	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
3,3-Dichlorobenzidine	ND	0.24	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
2,4-Dichlorophenol	ND	0.48	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Diethylphthalate	ND	0.48	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
2,4-Dimethylphenol	ND	0.48	0.13	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Dimethylphthalate	ND	0.48	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
4,6-Dinitro-2-methylphenol	ND	0.48	0.32	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
2,4-Dinitrophenol	ND	0.93	0.41	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
2,4-Dinitrotoluene	ND	0.48	0.093	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
2,6-Dinitrotoluene	ND	0.48	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Di-n-octylphthalate	ND	0.48	0.17	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.48	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Fluoranthene	4.9	0.24	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Fluorene	0.14	0.24	0.081	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 19:54	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-04-2-12-121321 Sampled: 12/13/2021 11:35

Sample ID: 21L1105-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.48	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Hexachlorobutadiene	ND	0.48	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Hexachlorocyclopentadiene	ND	0.48	0.20	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Hexachloroethane	ND	0.48	0.057	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Indeno(1,2,3-cd)pyrene	1.7	0.24	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Isophorone	ND	0.48	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
1-Methylnaphthalene	ND	0.24	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
2-Methylnaphthalene	ND	0.24	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
2-Methylphenol	ND	0.48	0.089	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
3/4-Methylphenol	ND	0.48	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Naphthalene	ND	0.24	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
2-Nitroaniline	ND	0.48	0.10	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 19:54	IMR
3-Nitroaniline	ND	0.48	0.081	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 19:54	IMR
4-Nitroaniline	ND	0.48	0.10	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Nitrobenzene	ND	0.48	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
2-Nitrophenol	ND	0.48	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
4-Nitrophenol	ND	0.93	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
N-Nitrosodimethylamine	ND	0.48	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.48	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
N-Nitrosodi-n-propylamine	ND	0.48	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Pentachloronitrobenzene	ND	0.48	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Pentachlorophenol	ND	0.48	0.21	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Phenanthrene	2.2	0.24	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Phenol	ND	0.48	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Pyrene	3.9	0.24	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Pyridine	ND	0.48	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.48	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
1,2,4-Trichlorobenzene	ND	0.48	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
2,4,5-Trichlorophenol	ND	0.48	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR
2,4,6-Trichlorophenol	ND	0.48	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 19:54	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	58.2	30-130		12/29/21 19:54
Phenol-d6	64.8	30-130		12/29/21 19:54
Nitrobenzene-d5	67.1	30-130		12/29/21 19:54
2-Fluorobiphenyl	65.9	30-130		12/29/21 19:54
2,4,6-Tribromophenol	73.8	30-130		12/29/21 19:54
p-Terphenyl-d14	67.1	30-130		12/29/21 19:54

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-04-2-12-121321 Sampled: 12/13/2021 11:35

Sample ID: 21L1105-07

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
1,2:4,5-Dibenzopyrene	0.82	mg/Kg dry	371790	10.775	1	000192-65-4	92	SW-846 8270E	12/23/21	12/29/21 19:54	IMR
4H-Cyclopenta[def]phenanthrene	0.62	mg/Kg dry	307477	6.496	1	000203-64-5	95	SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Perylene	2.4	mg/Kg dry	1066330	10.971	1	000198-55-0	98	SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Phosphine imide, P,P,P-trip...	0.28	mg/Kg dry	362730	8.77	1	002240-47-3	90	SW-846 8270E	12/23/21	12/29/21 19:54	IMR
Sesquirosefuran	0.26	mg/Kg dry	340580	9.143	1	039007-93-7	89	SW-846 8270E	12/23/21	12/29/21 19:54	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-04-2-12-121321 Sampled: 12/13/2021 11:35

Sample ID: 21L1105-07

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	0.068	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:22	SFM
Aroclor-1221 [1]	ND	0.11	0.073	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:22	SFM
Aroclor-1232 [1]	ND	0.11	0.051	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:22	SFM
Aroclor-1242 [1]	ND	0.11	0.056	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:22	SFM
Aroclor-1248 [1]	ND	0.11	0.068	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:22	SFM
Aroclor-1254 [1]	ND	0.11	0.073	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:22	SFM
Aroclor-1260 [1]	ND	0.11	0.079	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:22	SFM
Aroclor-1262 [1]	ND	0.11	0.056	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:22	SFM
Aroclor-1268 [1]	ND	0.11	0.045	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:22	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.4	30-150		12/30/21 16:22
Decachlorobiphenyl [2]	91.0	30-150		12/30/21 16:22
Tetrachloro-m-xylene [1]	75.3	30-150		12/30/21 16:22
Tetrachloro-m-xylene [2]	83.9	30-150		12/30/21 16:22

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-04-2-12-121321 Sampled: 12/13/2021 11:35

Sample ID: 21L1105-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	11000	22	8.0	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Antimony	ND	2.2	0.89	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Arsenic	7.5	4.4	1.6	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Barium	77	2.2	0.84	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Beryllium	0.62	0.22	0.084	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Cadmium	0.27	0.44	0.22	mg/Kg dry	1	J	SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Calcium	190000	440	170	mg/Kg dry	20		SW-846 6010D	12/28/21	1/3/22 13:37	MJH
Chromium	12	0.88	0.50	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Cobalt	4.8	2.2	0.81	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Copper	6.7	0.88	0.42	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Iron	13000	22	8.9	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Lead	23	0.66	0.32	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Magnesium	3500	22	7.7	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Manganese	540	0.44	0.17	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Mercury	0.063	0.036	0.012	mg/Kg dry	1		SW-846 7471B	12/22/21	12/27/21 9:38	DRL
Nickel	8.4	0.88	0.45	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Potassium	990	1100	410	mg/Kg dry	5	J	SW-846 6010D	12/28/21	1/3/22 14:45	MJH
Selenium	ND	4.4	1.6	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Silver	ND	0.44	0.20	mg/Kg dry	1		SW-846 6010D	12/28/21	12/30/21 15:52	MJH
Sodium	91	220	86	mg/Kg dry	1	J	SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Thallium	ND	2.2	1.1	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Vanadium	20	0.88	0.44	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW
Zinc	41	0.88	0.56	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 19:48	QNW

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-04-2-12-121321 Sampled: 12/13/2021 11:35

Sample ID: 21L1105-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	71.0			% Wt	1		SM 2540G	12/17/21	12/19/21 10:46	MJH
Cyanide	ND	0.69	0.49	mg/Kg dry	1		SW-846 9014	12/22/21	12/22/21 23:20	DJM

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: EB-1-121321 | Sampled: 12/13/2021 12:30

Sample ID: 21L1105-08

Sample Matrix: Water

Sample Flags: DL-02

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	20	1.3	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Acenaphthylene	ND	20	1.3	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Acetophenone	ND	40	1.8	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Aniline	ND	20	3.3	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Anthracene	ND	20	1.6	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Benzidine	ND	80	40	µg/L	1	R-05, V-05, V-35	SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Benzo(a)anthracene	ND	20	1.5	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Benzo(a)pyrene	ND	20	1.9	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Benzo(b)fluoranthene	ND	20	1.7	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Benzo(g,h,i)perylene	ND	20	2.6	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Benzo(k)fluoranthene	ND	20	1.5	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Benzoic Acid	ND	40	37	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Bis(2-chloroethoxy)methane	ND	40	1.7	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Bis(2-chloroethyl)ether	ND	40	2.1	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Bis(2-chloroisopropyl)ether	ND	40	2.4	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Bis(2-Ethylhexyl)phthalate	ND	40	3.7	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
4-Bromophenylphenylether	ND	40	1.5	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Butylbenzylphthalate	ND	40	2.8	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Carbazole	ND	40	1.6	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
4-Chloroaniline	ND	40	1.7	µg/L	1	V-34	SW-846 8270E	12/17/21	12/29/21 12:43	IMR
4-Chloro-3-methylphenol	ND	40	2.2	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
2-Chloronaphthalene	ND	40	1.1	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
2-Chlorophenol	ND	40	1.5	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
4-Chlorophenylphenylether	ND	40	1.3	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Chrysene	ND	20	1.5	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Dibenz(a,h)anthracene	ND	20	2.8	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Dibenzofuran	ND	20	1.4	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Di-n-butylphthalate	ND	40	2.0	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
1,2-Dichlorobenzene	ND	20	0.94	µg/L	1	R-05	SW-846 8270E	12/17/21	12/29/21 12:43	IMR
1,3-Dichlorobenzene	ND	20	0.96	µg/L	1	R-05	SW-846 8270E	12/17/21	12/29/21 12:43	IMR
1,4-Dichlorobenzene	ND	20	1.1	µg/L	1	R-05	SW-846 8270E	12/17/21	12/29/21 12:43	IMR
3,3-Dichlorobenzidine	ND	40	2.5	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
2,4-Dichlorophenol	ND	40	1.5	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Diethylphthalate	ND	40	1.9	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
2,4-Dimethylphenol	ND	40	3.9	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Dimethylphthalate	ND	40	1.6	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
4,6-Dinitro-2-methylphenol	ND	40	26	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
2,4-Dinitrophenol	ND	40	32	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
2,4-Dinitrotoluene	ND	40	2.4	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
2,6-Dinitrotoluene	ND	40	2.0	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Di-n-octylphthalate	ND	40	22	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	40	2.1	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Fluoranthene	ND	20	1.5	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Fluorene	ND	20	1.7	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: EB-1-121321 | Sampled: 12/13/2021 12:30

Sample ID: 21L1105-08

Sample Matrix: Water

Sample Flags: DL-02

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	40	1.5	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Hexachlorobutadiene	ND	40	1.1	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Hexachlorocyclopentadiene	ND	40	17	µg/L	1	L-04	SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Hexachloroethane	ND	40	1.2	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Indeno(1,2,3-cd)pyrene	ND	20	3.2	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Isophorone	ND	40	1.9	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
1-Methylnaphthalene	ND	20	1.2	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
2-Methylnaphthalene	ND	20	1.3	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
2-Methylphenol	ND	40	1.5	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
3/4-Methylphenol	ND	40	1.5	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Naphthalene	3.7	20	1.2	µg/L	1	J	SW-846 8270E	12/17/21	12/29/21 12:43	IMR
2-Nitroaniline	ND	40	3.0	µg/L	1	V-20	SW-846 8270E	12/17/21	12/29/21 12:43	IMR
3-Nitroaniline	ND	40	2.0	µg/L	1	V-20	SW-846 8270E	12/17/21	12/29/21 12:43	IMR
4-Nitroaniline	ND	40	2.0	µg/L	1	V-20	SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Nitrobenzene	ND	40	2.1	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
2-Nitrophenol	ND	40	1.9	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
4-Nitrophenol	ND	40	8.2	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
N-Nitrosodimethylamine	ND	40	3.3	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	40	1.6	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
N-Nitrosodi-n-propylamine	ND	40	2.1	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Pentachloronitrobenzene	ND	40	2.5	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Pentachlorophenol	ND	40	15	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Phenanthrene	ND	20	1.6	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Phenol	ND	40	0.99	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Pyrene	ND	20	1.9	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
Pyridine	ND	20	10	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
1,2,4,5-Tetrachlorobenzene	ND	40	1.1	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
1,2,4-Trichlorobenzene	ND	20	0.98	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
2,4,5-Trichlorophenol	ND	40	1.9	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR
2,4,6-Trichlorophenol	ND	40	1.6	µg/L	1		SW-846 8270E	12/17/21	12/29/21 12:43	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	63.2	15-110		12/29/21 12:43
Phenol-d6	60.9	15-110		12/29/21 12:43
Nitrobenzene-d5	69.4	30-130		12/29/21 12:43
2-Fluorobiphenyl	74.5	30-130		12/29/21 12:43
2,4,6-Tribromophenol	83.5	15-110		12/29/21 12:43
p-Terphenyl-d14	81.7	30-130		12/29/21 12:43

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: EB-1-121321 Sampled: 12/13/2021 12:30

Sample ID: 21L1105-08

Sample Matrix: Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8270E	12/17/21	12/29/21 12:43	IMR

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: EB-1-121321 | Sampled: 12/13/2021 12:30

Sample ID: 21L1105-08

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	0.18	µg/L	1		SW-846 8082A	12/21/21	12/30/21 12:22	TG
Aroclor-1221 [1]	ND	0.20	0.16	µg/L	1		SW-846 8082A	12/21/21	12/30/21 12:22	TG
Aroclor-1232 [1]	ND	0.20	0.17	µg/L	1		SW-846 8082A	12/21/21	12/30/21 12:22	TG
Aroclor-1242 [1]	ND	0.20	0.18	µg/L	1		SW-846 8082A	12/21/21	12/30/21 12:22	TG
Aroclor-1248 [1]	ND	0.20	0.17	µg/L	1		SW-846 8082A	12/21/21	12/30/21 12:22	TG
Aroclor-1254 [1]	ND	0.20	0.19	µg/L	1		SW-846 8082A	12/21/21	12/30/21 12:22	TG
Aroclor-1260 [1]	ND	0.20	0.16	µg/L	1		SW-846 8082A	12/21/21	12/30/21 12:22	TG
Aroclor-1262 [1]	ND	0.20	0.17	µg/L	1		SW-846 8082A	12/21/21	12/30/21 12:22	TG
Aroclor-1268 [1]	ND	0.20	0.18	µg/L	1		SW-846 8082A	12/21/21	12/30/21 12:22	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.8	30-150		12/30/21 12:22
Decachlorobiphenyl [2]	68.7	30-150		12/30/21 12:22
Tetrachloro-m-xylene [1]	89.2	30-150		12/30/21 12:22
Tetrachloro-m-xylene [2]	65.8	30-150		12/30/21 12:22

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-12-0-2-121321 | Sampled: 12/13/2021 13:10

Sample ID: 21L1105-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.32	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Acenaphthylene	ND	0.32	0.099	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Acetophenone	ND	0.64	0.088	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Aniline	ND	0.64	0.13	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Anthracene	ND	0.32	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Benzidine	ND	1.3	0.30	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Benzo(a)anthracene	ND	0.32	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Benzo(a)pyrene	ND	0.32	0.099	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Benzo(b)fluoranthene	ND	0.32	0.097	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Benzo(g,h,i)perylene	ND	0.32	0.14	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Benzo(k)fluoranthene	ND	0.32	0.087	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Benzoic Acid	ND	1.9	0.77	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Bis(2-chloroethoxy)methane	ND	0.64	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Bis(2-chloroethyl)ether	ND	0.64	0.088	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Bis(2-chloroisopropyl)ether	ND	0.64	0.15	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.64	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
4-Bromophenylphenylether	ND	0.64	0.082	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Butylbenzylphthalate	ND	0.64	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Carbazole	ND	0.32	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
4-Chloroaniline	ND	1.3	0.086	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/29/21 20:22	IMR
4-Chloro-3-methylphenol	ND	1.3	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
2-Chloronaphthalene	ND	0.64	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
2-Chlorophenol	ND	0.64	0.089	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
4-Chlorophenylphenylether	ND	0.64	0.092	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Chrysene	ND	0.32	0.093	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Dibenz(a,h)anthracene	ND	0.32	0.13	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Dibenzofuran	ND	0.64	0.095	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Di-n-butylphthalate	ND	0.64	0.091	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
1,2-Dichlorobenzene	ND	0.64	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
1,3-Dichlorobenzene	ND	0.64	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
1,4-Dichlorobenzene	ND	0.64	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
3,3-Dichlorobenzidine	ND	0.32	0.094	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
2,4-Dichlorophenol	ND	0.64	0.096	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Diethylphthalate	ND	0.64	0.098	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
2,4-Dimethylphenol	ND	0.64	0.18	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Dimethylphthalate	ND	0.64	0.094	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
4,6-Dinitro-2-methylphenol	ND	0.64	0.43	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
2,4-Dinitrophenol	ND	1.3	0.56	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
2,4-Dinitrotoluene	ND	0.64	0.13	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
2,6-Dinitrotoluene	ND	0.64	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Di-n-octylphthalate	ND	0.64	0.23	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.64	0.093	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Fluoranthene	ND	0.32	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Fluorene	ND	0.32	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-12-0-2-121321 | Sampled: 12/13/2021 13:10

Sample ID: 21L1105-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.64	0.087	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Hexachlorobutadiene	ND	0.64	0.082	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Hexachlorocyclopentadiene	ND	0.64	0.27	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Hexachloroethane	ND	0.64	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Indeno(1,2,3-cd)pyrene	ND	0.32	0.15	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Isophorone	ND	0.64	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
1-Methylnaphthalene	ND	0.32	0.089	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
2-Methylnaphthalene	ND	0.32	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
2-Methylphenol	ND	0.64	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
3/4-Methylphenol	ND	0.64	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Naphthalene	ND	0.32	0.088	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
2-Nitroaniline	ND	0.64	0.14	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 20:22	IMR
3-Nitroaniline	ND	0.64	0.11	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 20:22	IMR
4-Nitroaniline	ND	0.64	0.14	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Nitrobenzene	ND	0.64	0.094	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
2-Nitrophenol	ND	0.64	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
4-Nitrophenol	ND	1.3	0.26	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
N-Nitrosodimethylamine	ND	0.64	0.096	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.64	0.097	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
N-Nitrosodi-n-propylamine	ND	0.64	0.089	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Pentachloronitrobenzene	ND	0.64	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Pentachlorophenol	ND	0.64	0.28	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Phenanthrene	ND	0.32	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Phenol	ND	0.64	0.092	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Pyrene	ND	0.32	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
Pyridine	ND	0.64	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.64	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
1,2,4-Trichlorobenzene	ND	0.64	0.081	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
2,4,5-Trichlorophenol	ND	0.64	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR
2,4,6-Trichlorophenol	ND	0.64	0.099	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:22	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	51.1	30-130		12/29/21 20:22
Phenol-d6	56.4	30-130		12/29/21 20:22
Nitrobenzene-d5	52.4	30-130		12/29/21 20:22
2-Fluorobiphenyl	50.8	30-130		12/29/21 20:22
2,4,6-Tribromophenol	62.9	30-130		12/29/21 20:22
p-Terphenyl-d14	57.9	30-130		12/29/21 20:22

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-12-0-2-121321 Sampled: 12/13/2021 13:10

Sample ID: 21L1105-09

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8270E	12/23/21	12/29/21 20:22	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-12-0-2-121321 Sampled: 12/13/2021 13:10

Sample ID: 21L1105-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	52.7			% Wt	1		SM 2540G	12/17/21	12/19/21 10:46	MJH

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-12-2-12-121321 | Sampled: 12/13/2021 13:40

Sample ID: 21L1105-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.062	0.020	mg/Kg dry	1	R-06	SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Acrylonitrile	ND	0.0037	0.00060	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00062	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Benzene	ND	0.0012	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Bromobenzene	ND	0.0012	0.00021	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Bromochloromethane	ND	0.0012	0.00059	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Bromodichloromethane	ND	0.0012	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Bromoform	ND	0.0012	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Bromomethane	ND	0.0062	0.0023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
2-Butanone (MEK)	ND	0.025	0.0075	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
tert-Butyl Alcohol (TBA)	ND	0.062	0.030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
n-Butylbenzene	ND	0.0012	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
sec-Butylbenzene	ND	0.0012	0.00060	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
tert-Butylbenzene	ND	0.0012	0.00052	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00062	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Carbon Disulfide	ND	0.0062	0.0044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Carbon Tetrachloride	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Chlorobenzene	ND	0.0012	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Chlorodibromomethane	ND	0.00062	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Chloroethane	ND	0.012	0.0022	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Chloroform	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Chloromethane	ND	0.0062	0.0020	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
2-Chlorotoluene	ND	0.0012	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
4-Chlorotoluene	ND	0.0012	0.00022	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0012	0.00041	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,2-Dibromoethane (EDB)	ND	0.00062	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Dibromomethane	ND	0.0012	0.00045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,2-Dichlorobenzene	ND	0.0012	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,3-Dichlorobenzene	ND	0.0012	0.00026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,4-Dichlorobenzene	ND	0.0012	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
trans-1,4-Dichloro-2-butene	ND	0.0025	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.012	0.00071	mg/Kg dry	1	V-05	SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,1-Dichloroethane	ND	0.0012	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,2-Dichloroethane	ND	0.0012	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,1-Dichloroethylene	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
cis-1,2-Dichloroethylene	ND	0.0012	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
trans-1,2-Dichloroethylene	ND	0.0012	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,2-Dichloropropane	ND	0.0012	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,3-Dichloropropane	ND	0.00062	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
2,2-Dichloropropane	ND	0.0012	0.00047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,1-Dichloropropene	ND	0.0012	0.00048	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
cis-1,3-Dichloropropene	ND	0.00062	0.00024	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
trans-1,3-Dichloropropene	ND	0.00062	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Diethyl Ether	ND	0.012	0.0014	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-12-2-12-121321 | Sampled: 12/13/2021 13:40

Sample ID: 21L1105-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00062	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,4-Dioxane	ND	0.062	0.014	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Ethylbenzene	ND	0.0012	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Hexachlorobutadiene	ND	0.0012	0.00044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
2-Hexanone (MBK)	ND	0.012	0.0036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Isopropylbenzene (Cumene)	ND	0.0012	0.00044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0012	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Methyl Acetate	ND	0.0012	0.00084	mg/Kg dry	1	R-06	SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0025	0.00023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Methyl Cyclohexane	ND	0.0012	0.00045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Methylene Chloride	ND	0.012	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.012	0.0027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Naphthalene	ND	0.0025	0.00032	mg/Kg dry	1	MS-07A	SW-846 8260D	12/16/21	12/16/21 9:05	MFF
n-Propylbenzene	ND	0.0012	0.00024	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Styrene	ND	0.0012	0.00026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,1,1,2-Tetrachloroethane	ND	0.0012	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,1,2,2-Tetrachloroethane	ND	0.00062	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Tetrachloroethylene	ND	0.0012	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Tetrahydrofuran	ND	0.0062	0.0016	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Toluene	ND	0.0012	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,2,3-Trichlorobenzene	ND	0.0012	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,2,4-Trichlorobenzene	ND	0.0012	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,3,5-Trichlorobenzene	ND	0.0012	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,1,1-Trichloroethane	ND	0.0012	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,1,2-Trichloroethane	ND	0.0012	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Trichloroethylene	ND	0.0012	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0062	0.0022	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,2,3-Trichloropropane	ND	0.0012	0.00059	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0062	0.0017	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,2,4-Trimethylbenzene	ND	0.0012	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
1,3,5-Trimethylbenzene	ND	0.0012	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
Vinyl Chloride	ND	0.0062	0.0019	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
m+p Xylene	ND	0.0025	0.00047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF
o-Xylene	ND	0.0012	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 9:05	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	113	70-130		12/16/21	9:05
Toluene-d8	99.6	70-130		12/16/21	9:05
4-Bromofluorobenzene	94.4	70-130		12/16/21	9:05

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-12-2-12-121321 Sampled: 12/13/2021 13:40

Sample ID: 21L1105-10

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	12/16/21	12/16/21 9:05	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-12-2-12-121321 | Sampled: 12/13/2021 13:40

Sample ID: 21L1105-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Acenaphthylene	ND	0.19	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Acetophenone	ND	0.38	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Aniline	ND	0.38	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Anthracene	ND	0.19	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Benzidine	ND	0.73	0.17	mg/Kg dry	1	R-06, V-05, V-35	SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Benzo(a)anthracene	0.16	0.19	0.052	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Benzo(a)pyrene	0.18	0.19	0.058	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Benzo(b)fluoranthene	0.25	0.19	0.057	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Benzo(g,h,i)perylene	0.12	0.19	0.079	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Benzo(k)fluoranthene	0.11	0.19	0.051	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Benzoic Acid	ND	1.1	0.45	mg/Kg dry	1	MS-09	SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Bis(2-chloroethoxy)methane	ND	0.38	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Bis(2-chloroethyl)ether	ND	0.38	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Bis(2-chloroisopropyl)ether	ND	0.38	0.086	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.38	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
4-Bromophenylphenylether	ND	0.38	0.048	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Butylbenzylphthalate	ND	0.38	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Carbazole	ND	0.19	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
4-Chloroaniline	ND	0.73	0.050	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/29/21 20:51	IMR
4-Chloro-3-methylphenol	ND	0.73	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
2-Chloronaphthalene	ND	0.38	0.044	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
2-Chlorophenol	ND	0.38	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
4-Chlorophenylphenylether	ND	0.38	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Chrysene	0.18	0.19	0.054	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Dibenz(a,h)anthracene	ND	0.19	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Dibenzofuran	ND	0.38	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Di-n-butylphthalate	ND	0.38	0.053	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
1,2-Dichlorobenzene	ND	0.38	0.043	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
1,3-Dichlorobenzene	ND	0.38	0.041	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
1,4-Dichlorobenzene	ND	0.38	0.039	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
3,3-Dichlorobenzidine	ND	0.19	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
2,4-Dichlorophenol	ND	0.38	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Diethylphthalate	ND	0.38	0.057	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
2,4-Dimethylphenol	ND	0.38	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Dimethylphthalate	ND	0.38	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
4,6-Dinitro-2-methylphenol	ND	0.38	0.25	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
2,4-Dinitrophenol	ND	0.73	0.32	mg/Kg dry	1	MS-09, R-06	SW-846 8270E	12/23/21	12/29/21 20:51	IMR
2,4-Dinitrotoluene	ND	0.38	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
2,6-Dinitrotoluene	ND	0.38	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Di-n-octylphthalate	ND	0.38	0.13	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.38	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Fluoranthene	0.40	0.19	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Fluorene	ND	0.19	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-12-2-12-121321 Sampled: 12/13/2021 13:40

Sample ID: 21L1105-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.38	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Hexachlorobutadiene	ND	0.38	0.048	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Hexachlorocyclopentadiene	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Hexachloroethane	ND	0.38	0.045	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Indeno(1,2,3-cd)pyrene	0.14	0.19	0.085	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Isophorone	ND	0.38	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
1-Methylnaphthalene	ND	0.19	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
2-Methylnaphthalene	ND	0.19	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
2-Methylphenol	ND	0.38	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
3/4-Methylphenol	ND	0.38	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Naphthalene	ND	0.19	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
2-Nitroaniline	ND	0.38	0.080	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 20:51	IMR
3-Nitroaniline	ND	0.38	0.064	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 20:51	IMR
4-Nitroaniline	ND	0.38	0.081	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Nitrobenzene	ND	0.38	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
2-Nitrophenol	ND	0.38	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
4-Nitrophenol	ND	0.73	0.15	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
N-Nitrosodimethylamine	ND	0.38	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.38	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
N-Nitrosodi-n-propylamine	ND	0.38	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Pentachloronitrobenzene	ND	0.38	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Pentachlorophenol	ND	0.38	0.16	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Phenanthrene	0.11	0.19	0.059	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Phenol	ND	0.38	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Pyrene	0.32	0.19	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
Pyridine	ND	0.38	0.038	mg/Kg dry	1	MS-09	SW-846 8270E	12/23/21	12/29/21 20:51	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.38	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
1,2,4-Trichlorobenzene	ND	0.38	0.047	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
2,4,5-Trichlorophenol	ND	0.38	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR
2,4,6-Trichlorophenol	ND	0.38	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 20:51	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	60.5	30-130		12/29/21 20:51
Phenol-d6	65.5	30-130		12/29/21 20:51
Nitrobenzene-d5	62.8	30-130		12/29/21 20:51
2-Fluorobiphenyl	72.0	30-130		12/29/21 20:51
2,4,6-Tribromophenol	78.4	30-130		12/29/21 20:51
p-Terphenyl-d14	82.4	30-130		12/29/21 20:51

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-12-2-12-121321 Sampled: 12/13/2021 13:40

Sample ID: 21L1105-10

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzo[e]pyrene	0.49	mg/Kg dry	300191	10.966	1	000192-97-2	91	SW-846 8270E	12/23/21	12/29/21 20:51	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-12-2-12-121321 Sampled: 12/13/2021 13:40

Sample ID: 21L1105-10

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	0.053	mg/Kg dry	4		SW-846 8082A	1/15/22	1/21/22 13:57	JMB
Aroclor-1221 [1]	ND	0.089	0.058	mg/Kg dry	4		SW-846 8082A	1/15/22	1/21/22 13:57	JMB
Aroclor-1232 [1]	ND	0.089	0.040	mg/Kg dry	4		SW-846 8082A	1/15/22	1/21/22 13:57	JMB
Aroclor-1242 [1]	ND	0.089	0.044	mg/Kg dry	4		SW-846 8082A	1/15/22	1/21/22 13:57	JMB
Aroclor-1248 [1]	ND	0.089	0.053	mg/Kg dry	4		SW-846 8082A	1/15/22	1/21/22 13:57	JMB
Aroclor-1254 [1]	ND	0.089	0.058	mg/Kg dry	4		SW-846 8082A	1/15/22	1/21/22 13:57	JMB
Aroclor-1260 [1]	ND	0.089	0.062	mg/Kg dry	4		SW-846 8082A	1/15/22	1/21/22 13:57	JMB
Aroclor-1262 [1]	ND	0.089	0.044	mg/Kg dry	4		SW-846 8082A	1/15/22	1/21/22 13:57	JMB
Aroclor-1268 [1]	ND	0.089	0.035	mg/Kg dry	4		SW-846 8082A	1/15/22	1/21/22 13:57	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.8	30-150		1/21/22 13:57
Decachlorobiphenyl [2]	82.0	30-150		1/21/22 13:57
Tetrachloro-m-xylene [1]	92.2	30-150		1/21/22 13:57
Tetrachloro-m-xylene [2]	83.0	30-150		1/21/22 13:57

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-12-2-12-121321 Sampled: 12/13/2021 13:40

Sample ID: 21L1105-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	5500	18	6.6	mg/Kg dry	1	MS-19	SW-846 6010D	12/27/21	12/27/21 22:14	QNW
Antimony	0.97	1.8	0.74	mg/Kg dry	1	MS-07A, J	SW-846 6010D	12/27/21	12/27/21 22:14	QNW
Arsenic	ND	3.6	1.3	mg/Kg dry	1		SW-846 6010D	12/27/21	12/27/21 22:14	QNW
Barium	140	1.8	0.69	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 22:57	QNW
Beryllium	0.24	0.18	0.069	mg/Kg dry	1		SW-846 6010D	12/27/21	12/27/21 18:09	QNW
Cadmium	ND	0.36	0.19	mg/Kg dry	1		SW-846 6010D	12/27/21	12/27/21 18:09	QNW
Calcium	220000	1800	710	mg/Kg dry	100	MS-19	SW-846 6010D	12/27/21	12/29/21 18:08	QNW
Chromium	13	0.72	0.41	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 22:57	QNW
Cobalt	1.8	1.8	0.67	mg/Kg dry	1	J	SW-846 6010D	12/27/21	12/27/21 18:09	QNW
Copper	2.2	0.73	0.35	mg/Kg dry	1		SW-846 6010D	12/27/21	12/27/21 18:09	QNW
Iron	5600	18	7.3	mg/Kg dry	1	MS-19	SW-846 6010D	12/27/21	12/27/21 18:09	QNW
Lead	6.3	0.55	0.27	mg/Kg dry	1		SW-846 6010D	12/27/21	12/27/21 18:09	QNW
Magnesium	6200	18	6.4	mg/Kg dry	1	MS-19	SW-846 6010D	12/27/21	12/27/21 18:09	QNW
Manganese	290	0.36	0.14	mg/Kg dry	1	MS-19	SW-846 6010D	12/27/21	12/27/21 18:09	QNW
Mercury	0.020	0.028	0.0095	mg/Kg dry	1	J	SW-846 7471B	12/22/21	12/27/21 9:34	DRL
Nickel	3.9	0.73	0.37	mg/Kg dry	1		SW-846 6010D	12/27/21	12/27/21 18:09	QNW
Potassium	710	180	69	mg/Kg dry	1	MS-19	SW-846 6010D	12/27/21	12/27/21 18:09	QNW
Selenium	ND	3.6	1.3	mg/Kg dry	1		SW-846 6010D	12/27/21	12/27/21 18:09	QNW
Silver	ND	0.36	0.17	mg/Kg dry	1		SW-846 6010D	12/27/21	12/27/21 18:09	QNW
Sodium	100	180	71	mg/Kg dry	1	J	SW-846 6010D	12/27/21	12/27/21 18:09	QNW
Thallium	ND	1.8	0.87	mg/Kg dry	1		SW-846 6010D	12/27/21	12/27/21 18:09	QNW
Vanadium	23	0.72	0.36	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 22:57	QNW
Zinc	42	0.71	0.46	mg/Kg dry	1		SW-846 6010D	12/30/21	1/3/22 15:58	MJH

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-12-2-12-121321 Sampled: 12/13/2021 13:40

Sample ID: 21L1105-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.3			% Wt	1		SM 2540G	12/17/21	12/19/21 10:47	MJH
Cyanide	ND	0.46	0.32	mg/Kg dry	1		SW-846 9014	12/22/21	12/22/21 23:20	DJM

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-12-2-12-121321 Sampled: 12/13/2021 13:40

Sample ID: 21L1105-10

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane (SIM)	ND	3.6	1.6	µg/kg	1		SW-846 8270D-E		1/4/22 17:12	EFL

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-07-0-2-121321 | Sampled: 12/13/2021 14:35

Sample ID: 21L1105-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.23	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Acenaphthylene	ND	0.23	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Acetophenone	ND	0.47	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Aniline	ND	0.47	0.097	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Anthracene	ND	0.23	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Benzidine	ND	0.91	0.21	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Benzo(a)anthracene	ND	0.23	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Benzo(a)pyrene	ND	0.23	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Benzo(b)fluoranthene	ND	0.23	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Benzo(g,h,i)perylene	ND	0.23	0.098	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Benzo(k)fluoranthene	ND	0.23	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Benzoic Acid	ND	1.4	0.56	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Bis(2-chloroethoxy)methane	ND	0.47	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Bis(2-chloroethyl)ether	ND	0.47	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Bis(2-chloroisopropyl)ether	ND	0.47	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.47	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
4-Bromophenylphenylether	ND	0.47	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Butylbenzylphthalate	ND	0.47	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Carbazole	ND	0.23	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
4-Chloroaniline	ND	0.91	0.062	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/29/21 21:18	IMR
4-Chloro-3-methylphenol	ND	0.91	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
2-Chloronaphthalene	ND	0.47	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
2-Chlorophenol	ND	0.47	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
4-Chlorophenylphenylether	ND	0.47	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Chrysene	ND	0.23	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Dibenz(a,h)anthracene	ND	0.23	0.095	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Dibenzofuran	ND	0.47	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Di-n-butylphthalate	ND	0.47	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
1,2-Dichlorobenzene	ND	0.47	0.053	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
1,3-Dichlorobenzene	ND	0.47	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
1,4-Dichlorobenzene	ND	0.47	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
3,3-Dichlorobenzidine	ND	0.23	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
2,4-Dichlorophenol	ND	0.47	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Diethylphthalate	ND	0.47	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
2,4-Dimethylphenol	ND	0.47	0.13	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Dimethylphthalate	ND	0.47	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
4,6-Dinitro-2-methylphenol	ND	0.47	0.31	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
2,4-Dinitrophenol	ND	0.91	0.40	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
2,4-Dinitrotoluene	ND	0.47	0.091	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
2,6-Dinitrotoluene	ND	0.47	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Di-n-octylphthalate	ND	0.47	0.16	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.47	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Fluoranthene	ND	0.23	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Fluorene	ND	0.23	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-07-0-2-121321 Sampled: 12/13/2021 14:35

Sample ID: 21L1105-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.47	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Hexachlorobutadiene	ND	0.47	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Hexachlorocyclopentadiene	ND	0.47	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Hexachloroethane	ND	0.47	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Indeno(1,2,3-cd)pyrene	ND	0.23	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Isophorone	ND	0.47	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
1-Methylnaphthalene	ND	0.23	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
2-Methylnaphthalene	ND	0.23	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
2-Methylphenol	ND	0.47	0.086	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
3/4-Methylphenol	ND	0.47	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Naphthalene	ND	0.23	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
2-Nitroaniline	ND	0.47	0.099	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 21:18	IMR
3-Nitroaniline	ND	0.47	0.079	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 21:18	IMR
4-Nitroaniline	ND	0.47	0.10	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Nitrobenzene	ND	0.47	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
2-Nitrophenol	ND	0.47	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
4-Nitrophenol	ND	0.91	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
N-Nitrosodimethylamine	ND	0.47	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.47	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
N-Nitrosodi-n-propylamine	ND	0.47	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Pentachloronitrobenzene	ND	0.47	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Pentachlorophenol	ND	0.47	0.20	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Phenanthrene	ND	0.23	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Phenol	ND	0.47	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Pyrene	ND	0.23	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Pyridine	ND	0.47	0.048	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.47	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
1,2,4-Trichlorobenzene	ND	0.47	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
2,4,5-Trichlorophenol	ND	0.47	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR
2,4,6-Trichlorophenol	ND	0.47	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:18	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	59.9	30-130		12/29/21 21:18
Phenol-d6	67.5	30-130		12/29/21 21:18
Nitrobenzene-d5	65.6	30-130		12/29/21 21:18
2-Fluorobiphenyl	68.6	30-130		12/29/21 21:18
2,4,6-Tribromophenol	80.3	30-130		12/29/21 21:18
p-Terphenyl-d14	74.3	30-130		12/29/21 21:18

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-07-0-2-121321 Sampled: 12/13/2021 14:35

Sample ID: 21L1105-11

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
.beta.-Sitosterol	0.83	mg/Kg dry	317214	13.785	1	000083-46-5	98	SW-846 8270E	12/23/21	12/29/21 21:18	IMR
1,19-Eicosadiene	0.93	mg/Kg dry	353490	10.513	1	014811-95-1	95	SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Octacosane	1.5	mg/Kg dry	567831	10.945	1	000630-02-4	91	SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Oxacycloheptadecan-2-one	0.82	mg/Kg dry	417386	6.388	1	000109-29-5	90	SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Oxirane, hexadecyl-	0.75	mg/Kg dry	284084	13.247	1	007390-81-0	90	SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Tetradecanoic Acid	0.80	mg/Kg dry	408559	6.411	1	000544-63-8	98	SW-846 8270E	12/23/21	12/29/21 21:18	IMR
Tetratetracontane	1.1	mg/Kg dry	422490	12.41	1	007098-22-8	91	SW-846 8270E	12/23/21	12/29/21 21:18	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-07-0-2-121321 Sampled: 12/13/2021 14:35

Sample ID: 21L1105-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	72.9			% Wt	1		SM 2540G	12/17/21	12/19/21 10:47	MJH

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-07-2-12-121321 | Sampled: 12/13/2021 14:45

Sample ID: 21L1105-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.041	0.092	0.030	mg/Kg dry	1	J	SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Acrylonitrile	ND	0.0055	0.00090	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00092	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Benzene	ND	0.0018	0.00043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Bromobenzene	ND	0.0018	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Bromochloromethane	ND	0.0018	0.00088	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Bromodichloromethane	ND	0.0018	0.00044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Bromoform	ND	0.0018	0.00056	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Bromomethane	ND	0.0092	0.0034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
2-Butanone (MEK)	ND	0.037	0.011	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
tert-Butyl Alcohol (TBA)	ND	0.092	0.045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
n-Butylbenzene	ND	0.0018	0.00047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
sec-Butylbenzene	ND	0.0018	0.00089	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
tert-Butylbenzene	ND	0.0018	0.00078	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00092	0.00047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Carbon Disulfide	ND	0.0092	0.0066	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Carbon Tetrachloride	ND	0.0018	0.00071	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Chlorobenzene	ND	0.0018	0.00049	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Chlorodibromomethane	ND	0.00092	0.00047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Chloroethane	ND	0.018	0.0032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Chloroform	ND	0.0037	0.00092	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Chloromethane	ND	0.0092	0.0030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
2-Chlorotoluene	ND	0.0018	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
4-Chlorotoluene	ND	0.0018	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	0.00062	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,2-Dibromoethane (EDB)	ND	0.00092	0.00057	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Dibromomethane	ND	0.0018	0.00067	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,2-Dichlorobenzene	ND	0.0018	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,3-Dichlorobenzene	ND	0.0018	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,4-Dichlorobenzene	ND	0.0018	0.00047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
trans-1,4-Dichloro-2-butene	ND	0.0037	0.00052	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	0.0011	mg/Kg dry	1	V-05	SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,1-Dichloroethane	ND	0.0018	0.00046	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,2-Dichloroethane	ND	0.0018	0.00056	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,1-Dichloroethylene	ND	0.0037	0.0011	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
cis-1,2-Dichloroethylene	ND	0.0018	0.00049	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
trans-1,2-Dichloroethylene	ND	0.0018	0.00051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,2-Dichloropropane	ND	0.0018	0.00044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,3-Dichloropropane	ND	0.00092	0.00044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
2,2-Dichloropropane	ND	0.0018	0.00071	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,1-Dichloropropene	ND	0.0018	0.00072	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
cis-1,3-Dichloropropene	ND	0.00092	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
trans-1,3-Dichloropropene	ND	0.00092	0.00045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Diethyl Ether	ND	0.018	0.0020	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-07-2-12-121321 | Sampled: 12/13/2021 14:45

Sample ID: 21L1105-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00092	0.00049	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,4-Dioxane	ND	0.092	0.020	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Ethylbenzene	ND	0.0018	0.00041	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Hexachlorobutadiene	ND	0.0018	0.00066	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
2-Hexanone (MBK)	ND	0.018	0.0053	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Isopropylbenzene (Cumene)	ND	0.0018	0.00066	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Methyl Acetate	ND	0.0018	0.0012	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0037	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Methyl Cyclohexane	ND	0.0018	0.00067	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Methylene Chloride	ND	0.018	0.00052	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	0.0041	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Naphthalene	ND	0.0037	0.00047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
n-Propylbenzene	ND	0.0018	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Styrene	ND	0.0018	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	0.00051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,1,2,2-Tetrachloroethane	ND	0.00092	0.00050	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Tetrachloroethylene	ND	0.0018	0.00050	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Tetrahydrofuran	ND	0.0092	0.0023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Toluene	ND	0.0018	0.00051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,2,3-Trichlorobenzene	ND	0.0018	0.00050	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,2,4-Trichlorobenzene	ND	0.0018	0.00045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,3,5-Trichlorobenzene	ND	0.0018	0.00045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,1,1-Trichloroethane	ND	0.0018	0.00063	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,1,2-Trichloroethane	ND	0.0018	0.00043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Trichloroethylene	ND	0.0018	0.00045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0092	0.0033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,2,3-Trichloropropane	ND	0.0018	0.00088	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0092	0.0025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,2,4-Trimethylbenzene	ND	0.0018	0.00059	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
1,3,5-Trimethylbenzene	ND	0.0018	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
Vinyl Chloride	ND	0.0092	0.0028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
m+p Xylene	ND	0.0037	0.00070	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF
o-Xylene	ND	0.0018	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:04	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	113	70-130		12/16/21 12:04
Toluene-d8	101	70-130		12/16/21 12:04
4-Bromofluorobenzene	94.5	70-130		12/16/21 12:04

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-07-2-12-121321 Sampled: 12/13/2021 14:45

Sample ID: 21L1105-12

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexanal	0.011	mg/Kg dry	272051	7.065	1	000066-25-1	90	SW-846 8260D	12/16/21	12/16/21 12:04	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-07-2-12-121321 | Sampled: 12/13/2021 14:45

Sample ID: 21L1105-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.23	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Acenaphthylene	ND	0.23	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Acetophenone	ND	0.45	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Aniline	ND	0.45	0.094	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Anthracene	ND	0.23	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Benzidine	ND	0.88	0.21	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Benzo(a)anthracene	ND	0.23	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Benzo(a)pyrene	ND	0.23	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Benzo(b)fluoranthene	ND	0.23	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Benzo(g,h,i)perylene	ND	0.23	0.095	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Benzo(k)fluoranthene	ND	0.23	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Benzoic Acid	ND	1.3	0.54	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Bis(2-chloroethoxy)methane	ND	0.45	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Bis(2-chloroethyl)ether	ND	0.45	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Bis(2-chloroisopropyl)ether	ND	0.45	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.45	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
4-Bromophenylphenylether	ND	0.45	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Butylbenzylphthalate	ND	0.45	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Carbazole	ND	0.23	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
4-Chloroaniline	ND	0.88	0.060	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/29/21 21:46	IMR
4-Chloro-3-methylphenol	ND	0.88	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
2-Chloronaphthalene	ND	0.45	0.053	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
2-Chlorophenol	ND	0.45	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
4-Chlorophenylphenylether	ND	0.45	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Chrysene	ND	0.23	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Dibenz(a,h)anthracene	ND	0.23	0.092	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Dibenzofuran	ND	0.45	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Di-n-butylphthalate	ND	0.45	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
1,2-Dichlorobenzene	ND	0.45	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
1,3-Dichlorobenzene	ND	0.45	0.050	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
1,4-Dichlorobenzene	ND	0.45	0.047	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
3,3-Dichlorobenzidine	ND	0.23	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
2,4-Dichlorophenol	ND	0.45	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Diethylphthalate	ND	0.45	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
2,4-Dimethylphenol	ND	0.45	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Dimethylphthalate	ND	0.45	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
4,6-Dinitro-2-methylphenol	ND	0.45	0.30	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
2,4-Dinitrophenol	ND	0.88	0.39	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
2,4-Dinitrotoluene	ND	0.45	0.088	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
2,6-Dinitrotoluene	ND	0.45	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Di-n-octylphthalate	ND	0.45	0.16	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.45	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Fluoranthene	ND	0.23	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Fluorene	ND	0.23	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-07-2-12-121321 Sampled: 12/13/2021 14:45

Sample ID: 21L1105-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.45	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Hexachlorobutadiene	ND	0.45	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Hexachlorocyclopentadiene	ND	0.45	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Hexachloroethane	ND	0.45	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Indeno(1,2,3-cd)pyrene	ND	0.23	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Isophorone	ND	0.45	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
1-Methylnaphthalene	ND	0.23	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
2-Methylnaphthalene	ND	0.23	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
2-Methylphenol	ND	0.45	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
3/4-Methylphenol	ND	0.45	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Naphthalene	ND	0.23	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
2-Nitroaniline	ND	0.45	0.096	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 21:46	IMR
3-Nitroaniline	ND	0.45	0.077	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 21:46	IMR
4-Nitroaniline	ND	0.45	0.097	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Nitrobenzene	ND	0.45	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
2-Nitrophenol	ND	0.45	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
4-Nitrophenol	ND	0.88	0.18	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
N-Nitrosodimethylamine	ND	0.45	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.45	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
N-Nitrosodi-n-propylamine	ND	0.45	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Pentachloronitrobenzene	ND	0.45	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Pentachlorophenol	ND	0.45	0.20	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Phenanthrene	ND	0.23	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Phenol	ND	0.45	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Pyrene	ND	0.23	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
Pyridine	ND	0.45	0.046	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.45	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
1,2,4-Trichlorobenzene	ND	0.45	0.057	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
2,4,5-Trichlorophenol	ND	0.45	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR
2,4,6-Trichlorophenol	ND	0.45	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 21:46	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	45.4	30-130		12/29/21 21:46
Phenol-d6	49.9	30-130		12/29/21 21:46
Nitrobenzene-d5	49.8	30-130		12/29/21 21:46
2-Fluorobiphenyl	44.5	30-130		12/29/21 21:46
2,4,6-Tribromophenol	51.7	30-130		12/29/21 21:46
p-Terphenyl-d14	46.9	30-130		12/29/21 21:46

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-07-2-12-121321 Sampled: 12/13/2021 14:45

Sample ID: 21L1105-12

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8270E	12/23/21	12/29/21 21:46	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-07-2-12-121321 Sampled: 12/13/2021 14:45

Sample ID: 21L1105-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.0			% Wt	1		SM 2540G	12/17/21	12/19/21 10:47	MJH

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-05-0-2-121321 | Sampled: 12/13/2021 15:10

Sample ID: 21L1105-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.25	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Acenaphthylene	ND	0.25	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Acetophenone	ND	0.50	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Aniline	ND	0.50	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Anthracene	ND	0.25	0.081	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Benzidine	ND	0.97	0.23	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Benzo(a)anthracene	ND	0.25	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Benzo(a)pyrene	ND	0.25	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Benzo(b)fluoranthene	ND	0.25	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Benzo(g,h,i)perylene	ND	0.25	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Benzo(k)fluoranthene	ND	0.25	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Benzoic Acid	ND	1.5	0.59	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Bis(2-chloroethoxy)methane	ND	0.50	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Bis(2-chloroethyl)ether	ND	0.50	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Bis(2-chloroisopropyl)ether	ND	0.50	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.50	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
4-Bromophenylphenylether	ND	0.50	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Butylbenzylphthalate	ND	0.50	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Carbazole	ND	0.25	0.082	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
4-Chloroaniline	ND	0.97	0.066	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/29/21 22:13	IMR
4-Chloro-3-methylphenol	ND	0.97	0.083	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
2-Chloronaphthalene	ND	0.50	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
2-Chlorophenol	ND	0.50	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
4-Chlorophenylphenylether	ND	0.50	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Chrysene	ND	0.25	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Dibenz(a,h)anthracene	ND	0.25	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Dibenzofuran	ND	0.50	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Di-n-butylphthalate	ND	0.50	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
1,2-Dichlorobenzene	ND	0.50	0.057	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
1,3-Dichlorobenzene	ND	0.50	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
1,4-Dichlorobenzene	ND	0.50	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
3,3-Dichlorobenzidine	ND	0.25	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
2,4-Dichlorophenol	ND	0.50	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Diethylphthalate	ND	0.50	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
2,4-Dimethylphenol	ND	0.50	0.14	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Dimethylphthalate	ND	0.50	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
4,6-Dinitro-2-methylphenol	ND	0.50	0.33	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
2,4-Dinitrophenol	ND	0.97	0.43	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
2,4-Dinitrotoluene	ND	0.50	0.097	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
2,6-Dinitrotoluene	ND	0.50	0.083	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Di-n-octylphthalate	ND	0.50	0.18	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.50	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Fluoranthene	ND	0.25	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Fluorene	ND	0.25	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-05-0-2-121321 | Sampled: 12/13/2021 15:10

Sample ID: 21L1105-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.50	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Hexachlorobutadiene	ND	0.50	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Hexachlorocyclopentadiene	ND	0.50	0.21	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Hexachloroethane	ND	0.50	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Indeno(1,2,3-cd)pyrene	ND	0.25	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Isophorone	ND	0.50	0.083	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
1-Methylnaphthalene	ND	0.25	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
2-Methylnaphthalene	ND	0.25	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
2-Methylphenol	ND	0.50	0.092	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
3/4-Methylphenol	ND	0.50	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Naphthalene	ND	0.25	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
2-Nitroaniline	ND	0.50	0.11	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 22:13	IMR
3-Nitroaniline	ND	0.50	0.085	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 22:13	IMR
4-Nitroaniline	ND	0.50	0.11	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Nitrobenzene	ND	0.50	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
2-Nitrophenol	ND	0.50	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
4-Nitrophenol	ND	0.97	0.20	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
N-Nitrosodimethylamine	ND	0.50	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.50	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
N-Nitrosodi-n-propylamine	ND	0.50	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Pentachloronitrobenzene	ND	0.50	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Pentachlorophenol	ND	0.50	0.22	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Phenanthrene	ND	0.25	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Phenol	ND	0.50	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Pyrene	ND	0.25	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
Pyridine	ND	0.50	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.50	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
1,2,4-Trichlorobenzene	ND	0.50	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
2,4,5-Trichlorophenol	ND	0.50	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR
2,4,6-Trichlorophenol	ND	0.50	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:13	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	54.9	30-130		12/29/21 22:13
Phenol-d6	61.1	30-130		12/29/21 22:13
Nitrobenzene-d5	60.0	30-130		12/29/21 22:13
2-Fluorobiphenyl	40.9	30-130		12/29/21 22:13
2,4,6-Tribromophenol	54.8	30-130		12/29/21 22:13
p-Terphenyl-d14	47.7	30-130		12/29/21 22:13

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-05-0-2-121321 Sampled: 12/13/2021 15:10

Sample ID: 21L1105-13

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
26-Nor-5-cholesten-3.beta.-...	1.0	mg/Kg dry	364600	12.647	1	007494-34-0	94	SW-846 8270E	12/23/21	12/29/21 22:13	IMR
n-Hexadecanoic acid	0.52	mg/Kg dry	226808	6.409	1	000057-10-3	96	SW-846 8270E	12/23/21	12/29/21 22:13	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-05-0-2-121321 Sampled: 12/13/2021 15:10

Sample ID: 21L1105-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	68.2			% Wt	1		SM 2540G	12/17/21	12/19/21 10:47	MJH

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-05-2-12-121321 | Sampled: 12/13/2021 15:20

Sample ID: 21L1105-14

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.042	0.081	0.026	mg/Kg dry	1	J	SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Acrylonitrile	ND	0.0049	0.00079	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00081	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Benzene	ND	0.0016	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Bromobenzene	ND	0.0016	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Bromochloromethane	ND	0.0016	0.00077	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Bromodichloromethane	ND	0.0016	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Bromoform	ND	0.0016	0.00049	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Bromomethane	ND	0.0081	0.0030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
2-Butanone (MEK)	ND	0.032	0.0098	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
tert-Butyl Alcohol (TBA)	ND	0.081	0.039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
n-Butylbenzene	ND	0.0016	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
sec-Butylbenzene	ND	0.0016	0.00079	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
tert-Butylbenzene	ND	0.0016	0.00069	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00081	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Carbon Disulfide	ND	0.0081	0.0058	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Carbon Tetrachloride	ND	0.0016	0.00063	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Chlorobenzene	ND	0.0016	0.00043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Chlorodibromomethane	ND	0.00081	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Chloroethane	ND	0.016	0.0029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Chloroform	ND	0.0032	0.00081	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Chloromethane	ND	0.0081	0.0026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
2-Chlorotoluene	ND	0.0016	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
4-Chlorotoluene	ND	0.0016	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	0.00054	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,2-Dibromoethane (EDB)	ND	0.00081	0.00051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Dibromomethane	ND	0.0016	0.00059	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,2-Dichlorobenzene	ND	0.0016	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,3-Dichlorobenzene	ND	0.0016	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,4-Dichlorobenzene	ND	0.0016	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
trans-1,4-Dichloro-2-butene	ND	0.0032	0.00046	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	0.00094	mg/Kg dry	1	V-05	SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,1-Dichloroethane	ND	0.0016	0.00041	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,2-Dichloroethane	ND	0.0016	0.00050	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,1-Dichloroethylene	ND	0.0032	0.0010	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
cis-1,2-Dichloroethylene	ND	0.0016	0.00043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
trans-1,2-Dichloroethylene	ND	0.0016	0.00045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,2-Dichloropropane	ND	0.0016	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,3-Dichloropropane	ND	0.00081	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
2,2-Dichloropropane	ND	0.0016	0.00062	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,1-Dichloropropene	ND	0.0016	0.00063	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
cis-1,3-Dichloropropene	ND	0.00081	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
trans-1,3-Dichloropropene	ND	0.00081	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Diethyl Ether	ND	0.016	0.0018	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-05-2-12-121321 | Sampled: 12/13/2021 15:20

Sample ID: 21L1105-14

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00081	0.00043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,4-Dioxane	ND	0.081	0.018	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Ethylbenzene	ND	0.0016	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Hexachlorobutadiene	ND	0.0016	0.00058	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
2-Hexanone (MBK)	ND	0.016	0.0047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Isopropylbenzene (Cumene)	ND	0.0016	0.00058	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
p-Isopropyltoluene (p-Cymene)	0.00047	0.0016	0.00037	mg/Kg dry	1	J	SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Methyl Acetate	ND	0.0016	0.0011	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0032	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Methyl Cyclohexane	ND	0.0016	0.00059	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Methylene Chloride	ND	0.016	0.00045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	0.0036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Naphthalene	ND	0.0032	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
n-Propylbenzene	ND	0.0016	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Styrene	ND	0.0016	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	0.00045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,1,2,2-Tetrachloroethane	ND	0.00081	0.00044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Tetrachloroethylene	ND	0.0016	0.00044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Tetrahydrofuran	ND	0.0081	0.0021	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Toluene	ND	0.0016	0.00045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,2,3-Trichlorobenzene	ND	0.0016	0.00044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,2,4-Trichlorobenzene	ND	0.0016	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,3,5-Trichlorobenzene	ND	0.0016	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,1,1-Trichloroethane	ND	0.0016	0.00055	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,1,2-Trichloroethane	ND	0.0016	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Trichloroethylene	ND	0.0016	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0081	0.0029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,2,3-Trichloropropane	ND	0.0016	0.00078	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0081	0.0022	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,2,4-Trimethylbenzene	ND	0.0016	0.00052	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
1,3,5-Trimethylbenzene	ND	0.0016	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Vinyl Chloride	ND	0.0081	0.0025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
m+p Xylene	ND	0.0032	0.00061	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF
o-Xylene	ND	0.0016	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:30	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	113	70-130		12/16/21 12:30
Toluene-d8	101	70-130		12/16/21 12:30
4-Bromofluorobenzene	92.2	70-130		12/16/21 12:30

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-05-2-12-121321 Sampled: 12/13/2021 15:20

Sample ID: 21L1105-14

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyclohexene, 1-methyl-4-(1-...	0.0070	mg/Kg dry	187373	9.87	1	005989-54-8	90	SW-846 8260D	12/16/21	12/16/21 12:30	MFF
Hexanal	0.011	mg/Kg dry	290234	7.065	1	000066-25-1	86	SW-846 8260D	12/16/21	12/16/21 12:30	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-05-2-12-121321 | Sampled: 12/13/2021 15:20

Sample ID: 21L1105-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.23	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Acenaphthylene	ND	0.23	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Acetophenone	ND	0.46	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Aniline	ND	0.46	0.095	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Anthracene	ND	0.23	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Benzidine	ND	0.89	0.21	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Benzo(a)anthracene	ND	0.23	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Benzo(a)pyrene	ND	0.23	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Benzo(b)fluoranthene	ND	0.23	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Benzo(g,h,i)perylene	ND	0.23	0.096	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Benzo(k)fluoranthene	ND	0.23	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Benzoic Acid	ND	1.3	0.54	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Bis(2-chloroethoxy)methane	ND	0.46	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Bis(2-chloroethyl)ether	ND	0.46	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Bis(2-chloroisopropyl)ether	ND	0.46	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.46	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
4-Bromophenylphenylether	ND	0.46	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Butylbenzylphthalate	ND	0.46	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Carbazole	ND	0.23	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
4-Chloroaniline	ND	0.89	0.061	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/29/21 22:41	IMR
4-Chloro-3-methylphenol	ND	0.89	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
2-Chloronaphthalene	ND	0.46	0.053	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
2-Chlorophenol	ND	0.46	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
4-Chlorophenylphenylether	ND	0.46	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Chrysene	ND	0.23	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Dibenz(a,h)anthracene	ND	0.23	0.093	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Dibenzofuran	ND	0.46	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Di-n-butylphthalate	ND	0.46	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
1,2-Dichlorobenzene	ND	0.46	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
1,3-Dichlorobenzene	ND	0.46	0.050	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
1,4-Dichlorobenzene	ND	0.46	0.048	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
3,3-Dichlorobenzidine	ND	0.23	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
2,4-Dichlorophenol	ND	0.46	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Diethylphthalate	ND	0.46	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
2,4-Dimethylphenol	ND	0.46	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Dimethylphthalate	ND	0.46	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
4,6-Dinitro-2-methylphenol	ND	0.46	0.31	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
2,4-Dinitrophenol	ND	0.89	0.39	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
2,4-Dinitrotoluene	ND	0.46	0.089	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
2,6-Dinitrotoluene	ND	0.46	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Di-n-octylphthalate	ND	0.46	0.16	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.46	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Fluoranthene	ND	0.23	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Fluorene	ND	0.23	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-05-2-12-121321 Sampled: 12/13/2021 15:20

Sample ID: 21L1105-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.46	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Hexachlorobutadiene	ND	0.46	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Hexachlorocyclopentadiene	ND	0.46	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Hexachloroethane	ND	0.46	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Indeno(1,2,3-cd)pyrene	ND	0.23	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Isophorone	ND	0.46	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
1-Methylnaphthalene	ND	0.23	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
2-Methylnaphthalene	ND	0.23	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
2-Methylphenol	ND	0.46	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
3/4-Methylphenol	ND	0.46	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Naphthalene	ND	0.23	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
2-Nitroaniline	ND	0.46	0.097	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 22:41	IMR
3-Nitroaniline	ND	0.46	0.078	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 22:41	IMR
4-Nitroaniline	ND	0.46	0.098	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Nitrobenzene	ND	0.46	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
2-Nitrophenol	ND	0.46	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
4-Nitrophenol	ND	0.89	0.18	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
N-Nitrosodimethylamine	ND	0.46	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.46	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
N-Nitrosodi-n-propylamine	ND	0.46	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Pentachloronitrobenzene	ND	0.46	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Pentachlorophenol	ND	0.46	0.20	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Phenanthrene	ND	0.23	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Phenol	ND	0.46	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Pyrene	ND	0.23	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Pyridine	ND	0.46	0.047	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.46	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
1,2,4-Trichlorobenzene	ND	0.46	0.057	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
2,4,5-Trichlorophenol	ND	0.46	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR
2,4,6-Trichlorophenol	ND	0.46	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 22:41	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	59.4	30-130		12/29/21 22:41
Phenol-d6	68.3	30-130		12/29/21 22:41
Nitrobenzene-d5	62.5	30-130		12/29/21 22:41
2-Fluorobiphenyl	46.9	30-130		12/29/21 22:41
2,4,6-Tribromophenol	68.3	30-130		12/29/21 22:41
p-Terphenyl-d14	58.3	30-130		12/29/21 22:41

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-05-2-12-121321 Sampled: 12/13/2021 15:20

Sample ID: 21L1105-14

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Cholest-5-en-3-ol (3.beta.)-	1.0	mg/Kg dry	459472	12.652	1	000057-88-5	99	SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Longifolenaldehyde	0.88	mg/Kg dry	524361	9.14	1	019890-84-7	81	SW-846 8270E	12/23/21	12/29/21 22:41	IMR
n-Hexadecanoic acid	0.57	mg/Kg dry	315710	6.411	1	000057-10-3	98	SW-846 8270E	12/23/21	12/29/21 22:41	IMR
Octacosane	0.63	mg/Kg dry	286111	10.945	1	000630-02-4	90	SW-846 8270E	12/23/21	12/29/21 22:41	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-05-2-12-121321 Sampled: 12/13/2021 15:20

Sample ID: 21L1105-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.5			% Wt	1		SM 2540G	12/17/21	12/19/21 10:48	MJH

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-01-2-12-121421 | Sampled: 12/14/2021 08:00

Sample ID: 21L1105-16

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.039	0.064	0.021	mg/Kg dry	1	J	SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Acrylonitrile	ND	0.0039	0.00063	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00064	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Benzene	ND	0.0013	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Bromobenzene	ND	0.0013	0.00022	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Bromochloromethane	ND	0.0013	0.00061	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Bromodichloromethane	ND	0.0013	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Bromoform	ND	0.0013	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Bromomethane	ND	0.0064	0.0024	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
2-Butanone (MEK)	ND	0.026	0.0078	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
tert-Butyl Alcohol (TBA)	ND	0.064	0.031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
n-Butylbenzene	ND	0.0013	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
sec-Butylbenzene	ND	0.0013	0.00062	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
tert-Butylbenzene	ND	0.0013	0.00054	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00064	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Carbon Disulfide	ND	0.0064	0.0046	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Carbon Tetrachloride	ND	0.0013	0.00050	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Chlorobenzene	ND	0.0013	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Chlorodibromomethane	ND	0.00064	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Chloroethane	ND	0.013	0.0023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Chloroform	ND	0.0026	0.00064	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Chloromethane	ND	0.0064	0.0021	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
2-Chlorotoluene	ND	0.0013	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
4-Chlorotoluene	ND	0.0013	0.00023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	0.00043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,2-Dibromoethane (EDB)	ND	0.00064	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Dibromomethane	ND	0.0013	0.00047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,2-Dichlorobenzene	ND	0.0013	0.00026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,3-Dichlorobenzene	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,4-Dichlorobenzene	ND	0.0013	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
trans-1,4-Dichloro-2-butene	ND	0.0026	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	0.00074	mg/Kg dry	1	V-05	SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,1-Dichloroethane	ND	0.0013	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,2-Dichloroethane	ND	0.0013	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,1-Dichloroethylene	ND	0.0026	0.00080	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
cis-1,2-Dichloroethylene	ND	0.0013	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
trans-1,2-Dichloroethylene	ND	0.0013	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,2-Dichloropropane	ND	0.0013	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,3-Dichloropropane	ND	0.00064	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
2,2-Dichloropropane	ND	0.0013	0.00049	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,1-Dichloropropene	ND	0.0013	0.00050	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
cis-1,3-Dichloropropene	ND	0.00064	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
trans-1,3-Dichloropropene	ND	0.00064	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Diethyl Ether	ND	0.013	0.0014	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-01-2-12-121421 | Sampled: 12/14/2021 08:00

Sample ID: 21L1105-16

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00064	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,4-Dioxane	ND	0.064	0.014	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Ethylbenzene	ND	0.0013	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Hexachlorobutadiene	ND	0.0013	0.00046	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
2-Hexanone (MBK)	ND	0.013	0.0037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Isopropylbenzene (Cumene)	ND	0.0013	0.00046	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Methyl Acetate	ND	0.0013	0.00087	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0026	0.00024	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Methyl Cyclohexane	ND	0.0013	0.00047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Methylene Chloride	ND	0.013	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	0.0028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Naphthalene	ND	0.0026	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
n-Propylbenzene	ND	0.0013	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Styrene	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,1,2,2-Tetrachloroethane	ND	0.00064	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Tetrachloroethylene	ND	0.0013	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Tetrahydrofuran	ND	0.0064	0.0016	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Toluene	ND	0.0013	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,2,3-Trichlorobenzene	ND	0.0013	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,2,4-Trichlorobenzene	ND	0.0013	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,3,5-Trichlorobenzene	ND	0.0013	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,1,1-Trichloroethane	ND	0.0013	0.00044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,1,2-Trichloroethane	ND	0.0013	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Trichloroethylene	ND	0.0013	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0064	0.0023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,2,3-Trichloropropane	ND	0.0013	0.00062	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0064	0.0017	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,2,4-Trimethylbenzene	ND	0.0013	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
1,3,5-Trimethylbenzene	ND	0.0013	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
Vinyl Chloride	ND	0.0064	0.0019	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
m+p Xylene	ND	0.0026	0.00049	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF
o-Xylene	ND	0.0013	0.00026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 12:55	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	111	70-130		12/16/21 12:55
Toluene-d8	100	70-130		12/16/21 12:55
4-Bromofluorobenzene	91.3	70-130		12/16/21 12:55

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-01-2-12-121421 Sampled: 12/14/2021 08:00

Sample ID: 21L1105-16

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	12/16/21	12/16/21 12:55	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-01-2-12-121421 | Sampled: 12/14/2021 08:00

Sample ID: 21L1105-16

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Acenaphthylene	ND	0.21	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Acetophenone	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Aniline	ND	0.43	0.089	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Anthracene	ND	0.21	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Benzidine	ND	0.83	0.19	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Benzo(a)anthracene	0.34	0.21	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Benzo(a)pyrene	0.41	0.21	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Benzo(b)fluoranthene	0.56	0.21	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Benzo(g,h,i)perylene	0.28	0.21	0.089	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Benzo(k)fluoranthene	0.24	0.21	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Benzoic Acid	ND	1.3	0.51	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Bis(2-chloroethoxy)methane	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Bis(2-chloroethyl)ether	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Bis(2-chloroisopropyl)ether	ND	0.43	0.097	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
4-Bromophenylphenylether	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Butylbenzylphthalate	ND	0.43	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Carbazole	ND	0.21	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
4-Chloroaniline	ND	0.83	0.056	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/29/21 23:09	IMR
4-Chloro-3-methylphenol	ND	0.83	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
2-Chloronaphthalene	ND	0.43	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
2-Chlorophenol	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
4-Chlorophenylphenylether	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Chrysene	0.43	0.21	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Dibenz(a,h)anthracene	ND	0.21	0.086	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Dibenzofuran	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Di-n-butylphthalate	ND	0.43	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
1,2-Dichlorobenzene	ND	0.43	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
1,3-Dichlorobenzene	ND	0.43	0.047	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
1,4-Dichlorobenzene	ND	0.43	0.044	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
3,3-Dichlorobenzidine	ND	0.21	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
2,4-Dichlorophenol	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Diethylphthalate	ND	0.43	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
2,4-Dimethylphenol	ND	0.43	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Dimethylphthalate	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
4,6-Dinitro-2-methylphenol	ND	0.43	0.29	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
2,4-Dinitrophenol	ND	0.83	0.37	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
2,4-Dinitrotoluene	ND	0.43	0.083	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
2,6-Dinitrotoluene	ND	0.43	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Di-n-octylphthalate	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Fluoranthene	0.98	0.21	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Fluorene	ND	0.21	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-01-2-12-121421 Sampled: 12/14/2021 08:00

Sample ID: 21L1105-16

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Hexachlorobutadiene	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Hexachlorocyclopentadiene	ND	0.43	0.18	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Hexachloroethane	ND	0.43	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Indeno(1,2,3-cd)pyrene	0.32	0.21	0.096	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Isophorone	ND	0.43	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
1-Methylnaphthalene	ND	0.21	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
2-Methylnaphthalene	ND	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
2-Methylphenol	ND	0.43	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
3/4-Methylphenol	ND	0.43	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Naphthalene	ND	0.21	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
2-Nitroaniline	ND	0.43	0.091	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 23:09	IMR
3-Nitroaniline	ND	0.43	0.072	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 23:09	IMR
4-Nitroaniline	ND	0.43	0.091	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Nitrobenzene	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
2-Nitrophenol	ND	0.43	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
4-Nitrophenol	ND	0.83	0.17	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
N-Nitrosodimethylamine	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
N-Nitrosodi-n-propylamine	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Pentachloronitrobenzene	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Pentachlorophenol	ND	0.43	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Phenanthrene	0.37	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Phenol	ND	0.43	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Pyrene	0.70	0.21	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Pyridine	ND	0.43	0.043	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
1,2,4-Trichlorobenzene	ND	0.43	0.053	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
2,4,5-Trichlorophenol	ND	0.43	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR
2,4,6-Trichlorophenol	ND	0.43	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:09	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	53.1	30-130		12/29/21 23:09
Phenol-d6	60.6	30-130		12/29/21 23:09
Nitrobenzene-d5	59.5	30-130		12/29/21 23:09
2-Fluorobiphenyl	56.8	30-130		12/29/21 23:09
2,4,6-Tribromophenol	72.9	30-130		12/29/21 23:09
p-Terphenyl-d14	58.6	30-130		12/29/21 23:09

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-01-2-12-121421 Sampled: 12/14/2021 08:00

Sample ID: 21L1105-16

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexadecenoic acid, Z-11-	0.45	mg/Kg dry	225829	6.388	1	002416-20-8	90	SW-846 8270E	12/23/21	12/29/21 23:09	IMR
Perylene	0.77	mg/Kg dry	368603	10.968	1	000198-55-0	98	SW-846 8270E	12/23/21	12/29/21 23:09	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-01-2-12-121421 Sampled: 12/14/2021 08:00

Sample ID: 21L1105-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.9			% Wt	1		SM 2540G	12/17/21	12/19/21 10:48	MJH

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-06-0-2-121421 | Sampled: 12/14/2021 08:30

Sample ID: 21L1105-17

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.24	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Acenaphthylene	ND	0.24	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Acetophenone	ND	0.49	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Aniline	ND	0.49	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Anthracene	ND	0.24	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Benzidine	ND	0.95	0.22	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Benzo(a)anthracene	ND	0.24	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Benzo(a)pyrene	ND	0.24	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Benzo(b)fluoranthene	ND	0.24	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Benzo(g,h,i)perylene	ND	0.24	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Benzo(k)fluoranthene	ND	0.24	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Benzoic Acid	ND	1.4	0.58	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Bis(2-chloroethoxy)methane	ND	0.49	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Bis(2-chloroethyl)ether	ND	0.49	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Bis(2-chloroisopropyl)ether	ND	0.49	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.49	0.082	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
4-Bromophenylphenylether	ND	0.49	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Butylbenzylphthalate	ND	0.49	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Carbazole	ND	0.24	0.081	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
4-Chloroaniline	ND	0.95	0.065	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/29/21 23:36	IMR
4-Chloro-3-methylphenol	ND	0.95	0.081	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
2-Chloronaphthalene	ND	0.49	0.057	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
2-Chlorophenol	ND	0.49	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
4-Chlorophenylphenylether	ND	0.49	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Chrysene	ND	0.24	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Dibenz(a,h)anthracene	ND	0.24	0.099	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Dibenzofuran	ND	0.49	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Di-n-butylphthalate	ND	0.49	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
1,2-Dichlorobenzene	ND	0.49	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
1,3-Dichlorobenzene	ND	0.49	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
1,4-Dichlorobenzene	ND	0.49	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
3,3-Dichlorobenzidine	ND	0.24	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
2,4-Dichlorophenol	ND	0.49	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Diethylphthalate	ND	0.49	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
2,4-Dimethylphenol	ND	0.49	0.13	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Dimethylphthalate	ND	0.49	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
4,6-Dinitro-2-methylphenol	ND	0.49	0.33	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
2,4-Dinitrophenol	ND	0.95	0.42	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
2,4-Dinitrotoluene	ND	0.49	0.095	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
2,6-Dinitrotoluene	ND	0.49	0.081	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Di-n-octylphthalate	ND	0.49	0.17	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.49	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Fluoranthene	ND	0.24	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Fluorene	ND	0.24	0.082	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-06-0-2-121421 Sampled: 12/14/2021 08:30

Sample ID: 21L1105-17

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.49	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Hexachlorobutadiene	ND	0.49	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Hexachlorocyclopentadiene	ND	0.49	0.20	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Hexachloroethane	ND	0.49	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Indeno(1,2,3-cd)pyrene	ND	0.24	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Isophorone	ND	0.49	0.082	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
1-Methylnaphthalene	ND	0.24	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
2-Methylnaphthalene	ND	0.24	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
2-Methylphenol	ND	0.49	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
3/4-Methylphenol	ND	0.49	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Naphthalene	ND	0.24	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
2-Nitroaniline	ND	0.49	0.10	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 23:36	IMR
3-Nitroaniline	ND	0.49	0.083	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 23:36	IMR
4-Nitroaniline	ND	0.49	0.10	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Nitrobenzene	ND	0.49	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
2-Nitrophenol	ND	0.49	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
4-Nitrophenol	ND	0.95	0.20	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
N-Nitrosodimethylamine	ND	0.49	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.49	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
N-Nitrosodi-n-propylamine	ND	0.49	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Pentachloronitrobenzene	ND	0.49	0.082	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Pentachlorophenol	ND	0.49	0.21	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Phenanthrene	ND	0.24	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Phenol	ND	0.49	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Pyrene	ND	0.24	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Pyridine	ND	0.49	0.050	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.49	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
1,2,4-Trichlorobenzene	ND	0.49	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
2,4,5-Trichlorophenol	ND	0.49	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR
2,4,6-Trichlorophenol	ND	0.49	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 23:36	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	56.3	30-130		12/29/21 23:36
Phenol-d6	62.6	30-130		12/29/21 23:36
Nitrobenzene-d5	64.2	30-130		12/29/21 23:36
2-Fluorobiphenyl	59.1	30-130		12/29/21 23:36
2,4,6-Tribromophenol	65.5	30-130		12/29/21 23:36
p-Terphenyl-d14	59.6	30-130		12/29/21 23:36

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-06-0-2-121421 Sampled: 12/14/2021 08:30

Sample ID: 21L1105-17

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxirane, hexadecyl-	0.74	mg/Kg dry	276966	13.247	1	007390-81-0	90	SW-846 8270E	12/23/21	12/29/21 23:36	IMR
Sulfurous acid, butyl tetra...	1.2	mg/Kg dry	457677	10.945	1	1000309-18-1	91	SW-846 8270E	12/23/21	12/29/21 23:36	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-06-0-2-121421 Sampled: 12/14/2021 08:30

Sample ID: 21L1105-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.5			% Wt	1		SM 2540G	12/17/21	12/19/21 10:48	MJH

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-06-0-2-121421 Sampled: 12/14/2021 08:30

Sample ID: 21L1105-17

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane (SIM)	ND	4.2	1.9	µg/kg	1		SW-846 8270D-E		1/4/22 19:13	EFL

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-06-2-12-121421 | Sampled: 12/14/2021 08:45

Sample ID: 21L1105-18

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.069	0.022	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Acrylonitrile	ND	0.0041	0.00067	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00069	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Benzene	ND	0.0014	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Bromobenzene	ND	0.0014	0.00023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Bromochloromethane	ND	0.0014	0.00065	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Bromodichloromethane	ND	0.0014	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Bromoform	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Bromomethane	ND	0.0069	0.0025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
2-Butanone (MEK)	ND	0.027	0.0083	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
tert-Butyl Alcohol (TBA)	ND	0.069	0.033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
n-Butylbenzene	ND	0.0014	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
sec-Butylbenzene	ND	0.0014	0.00067	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
tert-Butylbenzene	ND	0.0014	0.00058	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00069	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Carbon Disulfide	ND	0.0069	0.0049	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Carbon Tetrachloride	ND	0.0014	0.00053	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Chlorobenzene	ND	0.0014	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Chlorodibromomethane	ND	0.00069	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Chloroethane	ND	0.014	0.0024	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Chloroform	ND	0.0027	0.00068	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Chloromethane	ND	0.0069	0.0022	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
2-Chlorotoluene	ND	0.0014	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
4-Chlorotoluene	ND	0.0014	0.00024	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	0.00046	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,2-Dibromoethane (EDB)	ND	0.00069	0.00043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Dibromomethane	ND	0.0014	0.00050	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,2-Dichlorobenzene	ND	0.0014	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,3-Dichlorobenzene	ND	0.0014	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,4-Dichlorobenzene	ND	0.0014	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
trans-1,4-Dichloro-2-butene	ND	0.0027	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	0.00079	mg/Kg dry	1	V-05	SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,1-Dichloroethane	ND	0.0014	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,2-Dichloroethane	ND	0.0014	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,1-Dichloroethylene	ND	0.0027	0.00086	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
cis-1,2-Dichloroethylene	ND	0.0014	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
trans-1,2-Dichloroethylene	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,2-Dichloropropane	ND	0.0014	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,3-Dichloropropane	ND	0.00069	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
2,2-Dichloropropane	ND	0.0014	0.00053	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,1-Dichloropropene	ND	0.0014	0.00054	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
cis-1,3-Dichloropropene	ND	0.00069	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
trans-1,3-Dichloropropene	ND	0.00069	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Diethyl Ether	ND	0.014	0.0015	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-06-2-12-121421 | Sampled: 12/14/2021 08:45

Sample ID: 21L1105-18

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00069	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,4-Dioxane	ND	0.069	0.015	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Ethylbenzene	ND	0.0014	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Hexachlorobutadiene	ND	0.0014	0.00049	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
2-Hexanone (MBK)	ND	0.014	0.0040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Isopropylbenzene (Cumene)	ND	0.0014	0.00049	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Methyl Acetate	ND	0.0014	0.00093	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	0.00026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Methyl Cyclohexane	ND	0.0014	0.00050	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Methylene Chloride	ND	0.014	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	0.0030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Naphthalene	ND	0.0027	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
n-Propylbenzene	ND	0.0014	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Styrene	ND	0.0014	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,1,2,2-Tetrachloroethane	ND	0.00069	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Tetrachloroethylene	ND	0.0014	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Tetrahydrofuran	ND	0.0069	0.0017	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Toluene	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,2,3-Trichlorobenzene	ND	0.0014	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,2,4-Trichlorobenzene	ND	0.0014	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,3,5-Trichlorobenzene	ND	0.0014	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,1,1-Trichloroethane	ND	0.0014	0.00047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,1,2-Trichloroethane	ND	0.0014	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Trichloroethylene	ND	0.0014	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0069	0.0025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,2,3-Trichloropropane	ND	0.0014	0.00066	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0069	0.0018	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,2,4-Trimethylbenzene	ND	0.0014	0.00044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
1,3,5-Trimethylbenzene	ND	0.0014	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
Vinyl Chloride	ND	0.0069	0.0021	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
m+p Xylene	ND	0.0027	0.00052	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF
o-Xylene	ND	0.0014	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:21	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	113	70-130		12/16/21 13:21
Toluene-d8	101	70-130		12/16/21 13:21
4-Bromofluorobenzene	94.0	70-130		12/16/21 13:21

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-06-2-12-121421 Sampled: 12/14/2021 08:45

Sample ID: 21L1105-18

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	12/16/21	12/16/21 13:21	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-06-2-12-121421 | Sampled: 12/14/2021 08:45

Sample ID: 21L1105-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Acenaphthylene	ND	0.22	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Acetophenone	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Aniline	ND	0.43	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Anthracene	ND	0.22	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Benzidine	ND	0.84	0.20	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Benzo(a)anthracene	ND	0.22	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Benzo(a)pyrene	ND	0.22	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Benzo(b)fluoranthene	ND	0.22	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Benzo(g,h,i)perylene	ND	0.22	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Benzo(k)fluoranthene	ND	0.22	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Benzoic Acid	ND	1.3	0.51	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Bis(2-chloroethoxy)methane	ND	0.43	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Bis(2-chloroethyl)ether	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Bis(2-chloroisopropyl)ether	ND	0.43	0.098	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.43	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
4-Bromophenylphenylether	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Butylbenzylphthalate	ND	0.43	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Carbazole	ND	0.22	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
4-Chloroaniline	ND	0.84	0.057	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/30/21 0:03	IMR
4-Chloro-3-methylphenol	ND	0.84	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
2-Chloronaphthalene	ND	0.43	0.050	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
2-Chlorophenol	ND	0.43	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
4-Chlorophenylphenylether	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Chrysene	ND	0.22	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Dibenz(a,h)anthracene	ND	0.22	0.087	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Dibenzofuran	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Di-n-butylphthalate	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
1,2-Dichlorobenzene	ND	0.43	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
1,3-Dichlorobenzene	ND	0.43	0.047	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
1,4-Dichlorobenzene	ND	0.43	0.045	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
3,3-Dichlorobenzidine	ND	0.22	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
2,4-Dichlorophenol	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Diethylphthalate	ND	0.43	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
2,4-Dimethylphenol	ND	0.43	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Dimethylphthalate	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
4,6-Dinitro-2-methylphenol	ND	0.43	0.29	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
2,4-Dinitrophenol	ND	0.84	0.37	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
2,4-Dinitrotoluene	ND	0.43	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
2,6-Dinitrotoluene	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Di-n-octylphthalate	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Fluoranthene	ND	0.22	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Fluorene	ND	0.22	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-06-2-12-121421 Sampled: 12/14/2021 08:45

Sample ID: 21L1105-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Hexachlorobutadiene	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Hexachlorocyclopentadiene	ND	0.43	0.18	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Hexachloroethane	ND	0.43	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Indeno(1,2,3-cd)pyrene	ND	0.22	0.098	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Isophorone	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
1-Methylnaphthalene	ND	0.22	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
2-Methylnaphthalene	ND	0.22	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
2-Methylphenol	ND	0.43	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
3/4-Methylphenol	ND	0.43	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Naphthalene	ND	0.22	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
2-Nitroaniline	ND	0.43	0.092	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 0:03	IMR
3-Nitroaniline	ND	0.43	0.073	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 0:03	IMR
4-Nitroaniline	ND	0.43	0.093	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Nitrobenzene	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
2-Nitrophenol	ND	0.43	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
4-Nitrophenol	ND	0.84	0.17	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
N-Nitrosodimethylamine	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.43	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
N-Nitrosodi-n-propylamine	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Pentachloronitrobenzene	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Pentachlorophenol	ND	0.43	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Phenanthrene	ND	0.22	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Phenol	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Pyrene	ND	0.22	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
Pyridine	ND	0.43	0.044	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.43	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
1,2,4-Trichlorobenzene	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
2,4,5-Trichlorophenol	ND	0.43	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR
2,4,6-Trichlorophenol	ND	0.43	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:03	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	63.5	30-130		12/30/21 0:03
Phenol-d6	69.6	30-130		12/30/21 0:03
Nitrobenzene-d5	68.2	30-130		12/30/21 0:03
2-Fluorobiphenyl	55.8	30-130		12/30/21 0:03
2,4,6-Tribromophenol	68.8	30-130		12/30/21 0:03
p-Terphenyl-d14	59.9	30-130		12/30/21 0:03

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-06-2-12-121421 Sampled: 12/14/2021 08:45

Sample ID: 21L1105-18

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8270E	12/23/21	12/30/21 0:03	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-06-2-12-121421 Sampled: 12/14/2021 08:45

Sample ID: 21L1105-18

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	0.061	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:40	SFM
Aroclor-1221 [1]	ND	0.10	0.066	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:40	SFM
Aroclor-1232 [1]	ND	0.10	0.046	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:40	SFM
Aroclor-1242 [1]	ND	0.10	0.051	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:40	SFM
Aroclor-1248 [1]	ND	0.10	0.061	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:40	SFM
Aroclor-1254 [1]	ND	0.10	0.066	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:40	SFM
Aroclor-1260 [1]	ND	0.10	0.071	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:40	SFM
Aroclor-1262 [1]	ND	0.10	0.051	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:40	SFM
Aroclor-1268 [1]	ND	0.10	0.041	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:40	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	73.7	30-150		12/30/21 16:40
Decachlorobiphenyl [2]	85.1	30-150		12/30/21 16:40
Tetrachloro-m-xylene [1]	72.7	30-150		12/30/21 16:40
Tetrachloro-m-xylene [2]	82.5	30-150		12/30/21 16:40

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-06-2-12-121421 Sampled: 12/14/2021 08:45

Sample ID: 21L1105-18

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	16000	20	7.3	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Antimony	ND	2.0	0.81	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Arsenic	3.0	4.0	1.5	mg/Kg dry	1	J	SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Barium	88	2.0	0.76	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Beryllium	0.78	0.20	0.076	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Cadmium	ND	0.40	0.20	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Calcium	2100	20	7.8	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Chromium	18	0.80	0.46	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Cobalt	8.6	2.0	0.74	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Copper	10	0.80	0.38	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Iron	23000	100	40	mg/Kg dry	5		SW-846 6010D	12/28/21	1/3/22 14:49	MJH
Lead	16	0.60	0.29	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Magnesium	3700	20	7.0	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Manganese	420	0.40	0.16	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Mercury	0.037	0.032	0.011	mg/Kg dry	1		SW-846 7471B	12/22/21	12/27/21 9:39	DRL
Nickel	13	0.80	0.41	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Potassium	1500	1000	380	mg/Kg dry	5		SW-846 6010D	12/28/21	1/3/22 14:49	MJH
Selenium	ND	4.0	1.4	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Silver	ND	0.40	0.18	mg/Kg dry	1		SW-846 6010D	12/28/21	12/30/21 15:57	MJH
Sodium	81	200	78	mg/Kg dry	1	J	SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Thallium	ND	2.0	0.96	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Vanadium	32	0.80	0.40	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW
Zinc	53	0.80	0.51	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:06	QNW

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-06-2-12-121421 | Sampled: 12/14/2021 08:45

Sample ID: 21L1105-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.9			% Wt	1		SM 2540G	12/17/21	12/19/21 10:48	MJH
Cyanide	ND	0.55	0.39	mg/Kg dry	1		SW-846 9014	12/22/21	12/22/21 23:20	DJM

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-08-0-2-121421 | Sampled: 12/14/2021 09:10

Sample ID: 21L1105-19

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.23	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Acenaphthylene	ND	0.23	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Acetophenone	ND	0.46	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Aniline	ND	0.46	0.096	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Anthracene	ND	0.23	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Benzidine	ND	0.89	0.21	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Benzo(a)anthracene	ND	0.23	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Benzo(a)pyrene	ND	0.23	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Benzo(b)fluoranthene	ND	0.23	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Benzo(g,h,i)perylene	ND	0.23	0.096	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Benzo(k)fluoranthene	ND	0.23	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Benzoic Acid	ND	1.4	0.55	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Bis(2-chloroethoxy)methane	ND	0.46	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Bis(2-chloroethyl)ether	ND	0.46	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Bis(2-chloroisopropyl)ether	ND	0.46	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.46	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
4-Bromophenylphenylether	ND	0.46	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Butylbenzylphthalate	ND	0.46	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Carbazole	ND	0.23	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
4-Chloroaniline	ND	0.89	0.061	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/30/21 0:31	IMR
4-Chloro-3-methylphenol	ND	0.89	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
2-Chloronaphthalene	ND	0.46	0.053	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
2-Chlorophenol	ND	0.46	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
4-Chlorophenylphenylether	ND	0.46	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Chrysene	ND	0.23	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Dibenz(a,h)anthracene	ND	0.23	0.093	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Dibenzofuran	ND	0.46	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Di-n-butylphthalate	ND	0.46	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
1,2-Dichlorobenzene	ND	0.46	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
1,3-Dichlorobenzene	ND	0.46	0.050	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
1,4-Dichlorobenzene	ND	0.46	0.048	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
3,3-Dichlorobenzidine	ND	0.23	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
2,4-Dichlorophenol	ND	0.46	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Diethylphthalate	ND	0.46	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
2,4-Dimethylphenol	ND	0.46	0.13	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Dimethylphthalate	ND	0.46	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
4,6-Dinitro-2-methylphenol	ND	0.46	0.31	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
2,4-Dinitrophenol	ND	0.89	0.40	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
2,4-Dinitrotoluene	ND	0.46	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
2,6-Dinitrotoluene	ND	0.46	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Di-n-octylphthalate	ND	0.46	0.16	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.46	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Fluoranthene	0.11	0.23	0.073	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Fluorene	ND	0.23	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-08-0-2-121421 Sampled: 12/14/2021 09:10

Sample ID: 21L1105-19

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.46	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Hexachlorobutadiene	ND	0.46	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Hexachlorocyclopentadiene	ND	0.46	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Hexachloroethane	ND	0.46	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Indeno(1,2,3-cd)pyrene	ND	0.23	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Isophorone	ND	0.46	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
1-Methylnaphthalene	ND	0.23	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
2-Methylnaphthalene	ND	0.23	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
2-Methylphenol	ND	0.46	0.085	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
3/4-Methylphenol	ND	0.46	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Naphthalene	ND	0.23	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
2-Nitroaniline	ND	0.46	0.098	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 0:31	IMR
3-Nitroaniline	ND	0.46	0.078	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 0:31	IMR
4-Nitroaniline	ND	0.46	0.099	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Nitrobenzene	ND	0.46	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
2-Nitrophenol	ND	0.46	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
4-Nitrophenol	ND	0.89	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
N-Nitrosodimethylamine	ND	0.46	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.46	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
N-Nitrosodi-n-propylamine	ND	0.46	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Pentachloronitrobenzene	ND	0.46	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Pentachlorophenol	ND	0.46	0.20	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Phenanthrene	ND	0.23	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Phenol	ND	0.46	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Pyrene	0.083	0.23	0.073	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/30/21 0:31	IMR
Pyridine	ND	0.46	0.047	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.46	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
1,2,4-Trichlorobenzene	ND	0.46	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
2,4,5-Trichlorophenol	ND	0.46	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR
2,4,6-Trichlorophenol	ND	0.46	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:31	IMR

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	**25.6**	*	30-130	S-07	12/30/21 0:31
Phenol-d6	37.8		30-130		12/30/21 0:31
Nitrobenzene-d5	32.5		30-130		12/30/21 0:31
2-Fluorobiphenyl	**28.5**	*	30-130	S-07	12/30/21 0:31
2,4,6-Tribromophenol	50.4		30-130		12/30/21 0:31
p-Terphenyl-d14	39.2		30-130		12/30/21 0:31

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-08-0-2-121421 Sampled: 12/14/2021 09:10

Sample ID: 21L1105-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.0			% Wt	1		SM 2540G	12/17/21	12/19/21 10:48	MJH

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-08-2-12-121421 | Sampled: 12/14/2021 09:25

Sample ID: 21L1105-20

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.059	0.065	0.021	mg/Kg dry	1	J	SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Acrylonitrile	ND	0.0039	0.00064	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00065	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Benzene	ND	0.0013	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Bromobenzene	ND	0.0013	0.00022	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Bromochloromethane	ND	0.0013	0.00062	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Bromodichloromethane	ND	0.0013	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Bromoform	ND	0.0013	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Bromomethane	ND	0.0065	0.0024	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
2-Butanone (MEK)	ND	0.026	0.0079	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
tert-Butyl Alcohol (TBA)	ND	0.065	0.032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
n-Butylbenzene	ND	0.0013	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
sec-Butylbenzene	ND	0.0013	0.00064	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
tert-Butylbenzene	ND	0.0013	0.00055	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00065	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Carbon Disulfide	ND	0.0065	0.0047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Carbon Tetrachloride	ND	0.0013	0.00051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Chlorobenzene	ND	0.0013	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Chlorodibromomethane	ND	0.00065	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Chloroethane	ND	0.013	0.0023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Chloroform	ND	0.0026	0.00065	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Chloromethane	ND	0.0065	0.0021	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
2-Chlorotoluene	ND	0.0013	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
4-Chlorotoluene	ND	0.0013	0.00023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	0.00044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,2-Dibromoethane (EDB)	ND	0.00065	0.00041	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Dibromomethane	ND	0.0013	0.00048	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,2-Dichlorobenzene	ND	0.0013	0.00026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,3-Dichlorobenzene	ND	0.0013	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,4-Dichlorobenzene	ND	0.0013	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
trans-1,4-Dichloro-2-butene	ND	0.0026	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	0.00076	mg/Kg dry	1	V-05	SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,1-Dichloroethane	ND	0.0013	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,2-Dichloroethane	ND	0.0013	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,1-Dichloroethylene	ND	0.0026	0.00082	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
cis-1,2-Dichloroethylene	ND	0.0013	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
trans-1,2-Dichloroethylene	ND	0.0013	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,2-Dichloropropane	ND	0.0013	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,3-Dichloropropane	ND	0.00065	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
2,2-Dichloropropane	ND	0.0013	0.00050	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,1-Dichloropropene	ND	0.0013	0.00051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
cis-1,3-Dichloropropene	ND	0.00065	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
trans-1,3-Dichloropropene	ND	0.00065	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Diethyl Ether	ND	0.013	0.0015	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-08-2-12-121421 | Sampled: 12/14/2021 09:25

Sample ID: 21L1105-20

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00065	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,4-Dioxane	ND	0.065	0.014	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Ethylbenzene	ND	0.0013	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Hexachlorobutadiene	ND	0.0013	0.00047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
2-Hexanone (MBK)	ND	0.013	0.0038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Isopropylbenzene (Cumene)	ND	0.0013	0.00047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Methyl Acetate	ND	0.0013	0.00089	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0026	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Methyl Cyclohexane	ND	0.0013	0.00048	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Methylene Chloride	ND	0.013	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	0.0029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Naphthalene	ND	0.0026	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
n-Propylbenzene	ND	0.0013	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Styrene	ND	0.0013	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,1,2,2-Tetrachloroethane	ND	0.00065	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Tetrachloroethylene	ND	0.0013	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Tetrahydrofuran	ND	0.0065	0.0017	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Toluene	ND	0.0013	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,2,3-Trichlorobenzene	ND	0.0013	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,2,4-Trichlorobenzene	ND	0.0013	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,3,5-Trichlorobenzene	ND	0.0013	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,1,1-Trichloroethane	ND	0.0013	0.00045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,1,2-Trichloroethane	ND	0.0013	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Trichloroethylene	ND	0.0013	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0065	0.0024	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,2,3-Trichloropropane	ND	0.0013	0.00063	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0065	0.0018	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,2,4-Trimethylbenzene	ND	0.0013	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
1,3,5-Trimethylbenzene	ND	0.0013	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
Vinyl Chloride	ND	0.0065	0.0020	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
m+p Xylene	ND	0.0026	0.00050	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF
o-Xylene	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 13:50	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	113	70-130		12/16/21 13:50
Toluene-d8	101	70-130		12/16/21 13:50
4-Bromofluorobenzene	92.7	70-130		12/16/21 13:50

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-08-2-12-121421 Sampled: 12/14/2021 09:25

Sample ID: 21L1105-20

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexanal	0.0051	mg/Kg dry	175442	7.065	1	000066-25-1	86	SW-846 8260D	12/16/21	12/16/21 13:50	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-08-2-12-121421 | Sampled: 12/14/2021 09:25

Sample ID: 21L1105-20

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Acenaphthylene	ND	0.22	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Acetophenone	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Aniline	ND	0.43	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Anthracene	ND	0.22	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Benzidine	ND	0.84	0.20	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Benzo(a)anthracene	ND	0.22	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Benzo(a)pyrene	ND	0.22	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Benzo(b)fluoranthene	ND	0.22	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Benzo(g,h,i)perylene	ND	0.22	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Benzo(k)fluoranthene	ND	0.22	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Benzoic Acid	ND	1.3	0.51	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Bis(2-chloroethoxy)methane	ND	0.43	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Bis(2-chloroethyl)ether	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Bis(2-chloroisopropyl)ether	ND	0.43	0.098	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.43	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
4-Bromophenylphenylether	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Butylbenzylphthalate	ND	0.43	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Carbazole	ND	0.22	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
4-Chloroaniline	ND	0.84	0.057	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/30/21 0:58	IMR
4-Chloro-3-methylphenol	ND	0.84	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
2-Chloronaphthalene	ND	0.43	0.050	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
2-Chlorophenol	ND	0.43	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
4-Chlorophenylphenylether	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Chrysene	ND	0.22	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Dibenz(a,h)anthracene	ND	0.22	0.087	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Dibenzofuran	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Di-n-butylphthalate	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
1,2-Dichlorobenzene	ND	0.43	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
1,3-Dichlorobenzene	ND	0.43	0.047	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
1,4-Dichlorobenzene	ND	0.43	0.045	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
3,3-Dichlorobenzidine	ND	0.22	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
2,4-Dichlorophenol	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Diethylphthalate	ND	0.43	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
2,4-Dimethylphenol	ND	0.43	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Dimethylphthalate	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
4,6-Dinitro-2-methylphenol	ND	0.43	0.29	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
2,4-Dinitrophenol	ND	0.84	0.37	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
2,4-Dinitrotoluene	ND	0.43	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
2,6-Dinitrotoluene	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Di-n-octylphthalate	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Fluoranthene	ND	0.22	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Fluorene	ND	0.22	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-08-2-12-121421 Sampled: 12/14/2021 09:25

Sample ID: 21L1105-20

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Hexachlorobutadiene	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Hexachlorocyclopentadiene	ND	0.43	0.18	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Hexachloroethane	ND	0.43	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Indeno(1,2,3-cd)pyrene	ND	0.22	0.098	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Isophorone	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
1-Methylnaphthalene	ND	0.22	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
2-Methylnaphthalene	ND	0.22	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
2-Methylphenol	ND	0.43	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
3/4-Methylphenol	ND	0.43	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Naphthalene	ND	0.22	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
2-Nitroaniline	ND	0.43	0.092	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 0:58	IMR
3-Nitroaniline	ND	0.43	0.073	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 0:58	IMR
4-Nitroaniline	ND	0.43	0.092	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Nitrobenzene	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
2-Nitrophenol	ND	0.43	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
4-Nitrophenol	ND	0.84	0.17	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
N-Nitrosodimethylamine	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.43	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
N-Nitrosodi-n-propylamine	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Pentachloronitrobenzene	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Pentachlorophenol	ND	0.43	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Phenanthrene	ND	0.22	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Phenol	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Pyrene	ND	0.22	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
Pyridine	ND	0.43	0.044	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.43	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
1,2,4-Trichlorobenzene	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
2,4,5-Trichlorophenol	ND	0.43	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR
2,4,6-Trichlorophenol	ND	0.43	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 0:58	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2-Fluorophenol	69.2	30-130		12/30/21	0:58
Phenol-d6	75.8	30-130		12/30/21	0:58
Nitrobenzene-d5	72.4	30-130		12/30/21	0:58
2-Fluorobiphenyl	37.7	30-130		12/30/21	0:58
2,4,6-Tribromophenol	57.6	30-130		12/30/21	0:58
p-Terphenyl-d14	48.8	30-130		12/30/21	0:58

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-08-2-12-121421 Sampled: 12/14/2021 09:25

Sample ID: 21L1105-20

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8270E	12/23/21	12/30/21 0:58	IMR

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-08-2-12-121421 | Sampled: 12/14/2021 09:25

Sample ID: 21L1105-20

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	0.061	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:57	SFM
Aroclor-1221 [1]	ND	0.10	0.066	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:57	SFM
Aroclor-1232 [1]	ND	0.10	0.046	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:57	SFM
Aroclor-1242 [1]	ND	0.10	0.051	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:57	SFM
Aroclor-1248 [1]	ND	0.10	0.061	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:57	SFM
Aroclor-1254 [1]	ND	0.10	0.066	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:57	SFM
Aroclor-1260 [1]	ND	0.10	0.071	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:57	SFM
Aroclor-1262 [1]	ND	0.10	0.051	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:57	SFM
Aroclor-1268 [1]	ND	0.10	0.041	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 16:57	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.9	30-150		12/30/21 16:57
Decachlorobiphenyl [2]	91.1	30-150		12/30/21 16:57
Tetrachloro-m-xylene [1]	80.8	30-150		12/30/21 16:57
Tetrachloro-m-xylene [2]	91.6	30-150		12/30/21 16:57

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-08-2-12-121421 | Sampled: 12/14/2021 09:25

Sample ID: 21L1105-20

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	18000	20	7.4	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Antimony	ND	2.0	0.82	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Arsenic	3.3	4.1	1.5	mg/Kg dry	1	J	SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Barium	100	2.0	0.77	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Beryllium	0.81	0.20	0.077	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Cadmium	0.28	0.41	0.21	mg/Kg dry	1	J	SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Calcium	2900	20	7.9	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Chromium	20	0.81	0.46	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Cobalt	8.7	2.0	0.75	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Copper	14	0.81	0.39	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Iron	26000	100	41	mg/Kg dry	5		SW-846 6010D	12/28/21	1/3/22 14:55	MJH
Lead	29	0.61	0.30	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Magnesium	3900	20	7.1	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Manganese	580	0.41	0.16	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Mercury	0.054	0.035	0.012	mg/Kg dry	1		SW-846 7471B	12/22/21	12/27/21 9:41	DRL
Nickel	14	0.81	0.41	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Potassium	1700	1000	380	mg/Kg dry	5		SW-846 6010D	12/28/21	1/3/22 14:55	MJH
Selenium	ND	4.1	1.4	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Silver	ND	0.41	0.19	mg/Kg dry	1		SW-846 6010D	12/28/21	12/30/21 16:03	MJH
Sodium	ND	200	79	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Thallium	ND	2.0	0.98	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Vanadium	35	0.81	0.40	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW
Zinc	66	0.81	0.52	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:12	QNW

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-08-2-12-121421 Sampled: 12/14/2021 09:25

Sample ID: 21L1105-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.9			% Wt	1		SM 2540G	12/17/21	12/19/21 10:49	MJH
Cyanide	ND	0.57	0.40	mg/Kg dry	1		SW-846 9014	12/22/21	12/22/21 23:20	DJM

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-08-2-12-121421 Sampled: 12/14/2021 09:25

Sample ID: 21L1105-20

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane (SIM)	ND	3.8	1.7	µg/kg	1		SW-846 8270D-E		1/4/22 19:44	EFL

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-09-0-2-121421 | Sampled: 12/14/2021 10:00

Sample ID: 21L1105-21

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.23	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Acenaphthylene	ND	0.23	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Acetophenone	ND	0.46	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Aniline	ND	0.46	0.096	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Anthracene	ND	0.23	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Benzidine	ND	0.90	0.21	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Benzo(a)anthracene	ND	0.23	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Benzo(a)pyrene	ND	0.23	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Benzo(b)fluoranthene	ND	0.23	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Benzo(g,h,i)perylene	ND	0.23	0.097	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Benzo(k)fluoranthene	ND	0.23	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Benzoic Acid	ND	1.4	0.55	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Bis(2-chloroethoxy)methane	ND	0.46	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Bis(2-chloroethyl)ether	ND	0.46	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Bis(2-chloroisopropyl)ether	ND	0.46	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.46	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
4-Bromophenylphenylether	ND	0.46	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Butylbenzylphthalate	ND	0.46	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Carbazole	ND	0.23	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
4-Chloroaniline	ND	0.90	0.061	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/30/21 1:25	IMR
4-Chloro-3-methylphenol	ND	0.90	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
2-Chloronaphthalene	ND	0.46	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
2-Chlorophenol	ND	0.46	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
4-Chlorophenylphenylether	ND	0.46	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Chrysene	ND	0.23	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Dibenz(a,h)anthracene	ND	0.23	0.094	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Dibenzofuran	ND	0.46	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Di-n-butylphthalate	ND	0.46	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
1,2-Dichlorobenzene	ND	0.46	0.053	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
1,3-Dichlorobenzene	ND	0.46	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
1,4-Dichlorobenzene	ND	0.46	0.048	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
3,3-Dichlorobenzidine	ND	0.23	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
2,4-Dichlorophenol	ND	0.46	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Diethylphthalate	ND	0.46	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
2,4-Dimethylphenol	ND	0.46	0.13	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Dimethylphthalate	ND	0.46	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
4,6-Dinitro-2-methylphenol	ND	0.46	0.31	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
2,4-Dinitrophenol	ND	0.90	0.40	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
2,4-Dinitrotoluene	ND	0.46	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
2,6-Dinitrotoluene	ND	0.46	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Di-n-octylphthalate	ND	0.46	0.16	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.46	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Fluoranthene	ND	0.23	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Fluorene	ND	0.23	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-09-0-2-121421 Sampled: 12/14/2021 10:00

Sample ID: 21L1105-21

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.46	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Hexachlorobutadiene	ND	0.46	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Hexachlorocyclopentadiene	ND	0.46	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Hexachloroethane	ND	0.46	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Indeno(1,2,3-cd)pyrene	ND	0.23	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Isophorone	ND	0.46	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
1-Methylnaphthalene	ND	0.23	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
2-Methylnaphthalene	ND	0.23	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
2-Methylphenol	ND	0.46	0.086	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
3/4-Methylphenol	ND	0.46	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Naphthalene	ND	0.23	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
2-Nitroaniline	ND	0.46	0.098	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 1:25	IMR
3-Nitroaniline	ND	0.46	0.079	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 1:25	IMR
4-Nitroaniline	ND	0.46	0.099	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Nitrobenzene	ND	0.46	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
2-Nitrophenol	ND	0.46	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
4-Nitrophenol	ND	0.90	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
N-Nitrosodimethylamine	ND	0.46	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.46	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
N-Nitrosodi-n-propylamine	ND	0.46	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Pentachloronitrobenzene	ND	0.46	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Pentachlorophenol	ND	0.46	0.20	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Phenanthrene	ND	0.23	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Phenol	ND	0.46	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Pyrene	ND	0.23	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
Pyridine	ND	0.46	0.047	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.46	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
1,2,4-Trichlorobenzene	ND	0.46	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
2,4,5-Trichlorophenol	ND	0.46	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR
2,4,6-Trichlorophenol	ND	0.46	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:25	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2-Fluorophenol	46.7	30-130		12/30/21 1:25	
Phenol-d6	52.9	30-130		12/30/21 1:25	
Nitrobenzene-d5	53.9	30-130		12/30/21 1:25	
2-Fluorobiphenyl	46.3	30-130		12/30/21 1:25	
2,4,6-Tribromophenol	58.6	30-130		12/30/21 1:25	
p-Terphenyl-d14	45.6	30-130		12/30/21 1:25	

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-09-0-2-121421 Sampled: 12/14/2021 10:00

Sample ID: 21L1105-21

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8270E	12/23/21	12/30/21 1:25	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-09-0-2-121421 Sampled: 12/14/2021 10:00

Sample ID: 21L1105-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	73.6			% Wt	1		SM 2540G	12/17/21	12/19/21 10:49	MJH

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-09-2-12-121421 | Sampled: 12/14/2021 10:15

Sample ID: 21L1105-22

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.049	0.063	0.020	mg/Kg dry	1	J	SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Acrylonitrile	ND	0.0038	0.00062	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00063	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Benzene	ND	0.0013	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Bromobenzene	ND	0.0013	0.00021	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Bromochloromethane	ND	0.0013	0.00060	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Bromodichloromethane	ND	0.0013	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Bromoform	ND	0.0013	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Bromomethane	ND	0.0063	0.0023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
2-Butanone (MEK)	ND	0.025	0.0077	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
tert-Butyl Alcohol (TBA)	ND	0.063	0.031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
n-Butylbenzene	ND	0.0013	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
sec-Butylbenzene	ND	0.0013	0.00061	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
tert-Butylbenzene	ND	0.0013	0.00054	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00063	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Carbon Disulfide	ND	0.0063	0.0045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Carbon Tetrachloride	ND	0.0013	0.00049	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Chlorobenzene	ND	0.0013	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Chlorodibromomethane	ND	0.00063	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Chloroethane	ND	0.013	0.0022	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Chloroform	ND	0.0025	0.00063	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Chloromethane	ND	0.0063	0.0021	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
2-Chlorotoluene	ND	0.0013	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
4-Chlorotoluene	ND	0.0013	0.00022	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,2-Dibromoethane (EDB)	ND	0.00063	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Dibromomethane	ND	0.0013	0.00046	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,2-Dichlorobenzene	ND	0.0013	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,3-Dichlorobenzene	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,4-Dichlorobenzene	ND	0.0013	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
trans-1,4-Dichloro-2-butene	ND	0.0025	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	0.00073	mg/Kg dry	1	V-05	SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,1-Dichloroethane	ND	0.0013	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,2-Dichloroethane	ND	0.0013	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,1-Dichloroethylene	ND	0.0025	0.00079	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
cis-1,2-Dichloroethylene	ND	0.0013	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
trans-1,2-Dichloroethylene	ND	0.0013	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,2-Dichloropropane	ND	0.0013	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,3-Dichloropropane	ND	0.00063	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
2,2-Dichloropropane	ND	0.0013	0.00049	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,1-Dichloropropene	ND	0.0013	0.00050	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
cis-1,3-Dichloropropene	ND	0.00063	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
trans-1,3-Dichloropropene	ND	0.00063	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Diethyl Ether	ND	0.013	0.0014	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-09-2-12-121421 | Sampled: 12/14/2021 10:15

Sample ID: 21L1105-22

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00063	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,4-Dioxane	ND	0.063	0.014	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Ethylbenzene	ND	0.0013	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Hexachlorobutadiene	ND	0.0013	0.00045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
2-Hexanone (MBK)	ND	0.013	0.0037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Isopropylbenzene (Cumene)	ND	0.0013	0.00045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Methyl Acetate	ND	0.0013	0.00086	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0025	0.00024	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Methyl Cyclohexane	ND	0.0013	0.00046	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Methylene Chloride	ND	0.013	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	0.0028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Naphthalene	ND	0.0025	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
n-Propylbenzene	ND	0.0013	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Styrene	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.00063	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Tetrachloroethylene	ND	0.0013	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Tetrahydrofuran	ND	0.0063	0.0016	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Toluene	ND	0.0013	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,2,3-Trichlorobenzene	ND	0.0013	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,2,4-Trichlorobenzene	ND	0.0013	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,3,5-Trichlorobenzene	ND	0.0013	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,1,1-Trichloroethane	ND	0.0013	0.00043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,1,2-Trichloroethane	ND	0.0013	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Trichloroethylene	ND	0.0013	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0063	0.0023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,2,3-Trichloropropane	ND	0.0013	0.00061	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0063	0.0017	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,2,4-Trimethylbenzene	ND	0.0013	0.00041	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
1,3,5-Trimethylbenzene	ND	0.0013	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
Vinyl Chloride	ND	0.0063	0.0019	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
m+p Xylene	ND	0.0025	0.00048	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF
o-Xylene	ND	0.0013	0.00026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:16	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	117	70-130		12/16/21 14:16
Toluene-d8	101	70-130		12/16/21 14:16
4-Bromofluorobenzene	96.6	70-130		12/16/21 14:16

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-09-2-12-121421 Sampled: 12/14/2021 10:15

Sample ID: 21L1105-22

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	12/16/21	12/16/21 14:16	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-09-2-12-121421 | Sampled: 12/14/2021 10:15

Sample ID: 21L1105-22

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Acenaphthylene	ND	0.20	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Acetophenone	ND	0.40	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Aniline	ND	0.40	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Anthracene	ND	0.20	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Benzidine	ND	0.78	0.18	mg/Kg dry	1	V-35, V-05	SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Benzo(a)anthracene	ND	0.20	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Benzo(a)pyrene	ND	0.20	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Benzo(b)fluoranthene	ND	0.20	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Benzo(g,h,i)perylene	ND	0.20	0.085	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Benzo(k)fluoranthene	ND	0.20	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Benzoic Acid	ND	1.2	0.48	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Bis(2-chloroethoxy)methane	ND	0.40	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Bis(2-chloroethyl)ether	ND	0.40	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Bis(2-chloroisopropyl)ether	ND	0.40	0.092	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.40	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
4-Bromophenylphenylether	ND	0.40	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Butylbenzylphthalate	ND	0.40	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Carbazole	ND	0.20	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
4-Chloroaniline	ND	0.78	0.054	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/30/21 1:53	IMR
4-Chloro-3-methylphenol	ND	0.78	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
2-Chloronaphthalene	ND	0.40	0.047	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
2-Chlorophenol	ND	0.40	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
4-Chlorophenylphenylether	ND	0.40	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Chrysene	ND	0.20	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Dibenz(a,h)anthracene	ND	0.20	0.082	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Dibenzofuran	ND	0.40	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Di-n-butylphthalate	ND	0.40	0.057	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
1,2-Dichlorobenzene	ND	0.40	0.046	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
1,3-Dichlorobenzene	ND	0.40	0.044	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
1,4-Dichlorobenzene	ND	0.40	0.042	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
3,3-Dichlorobenzidine	ND	0.20	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
2,4-Dichlorophenol	ND	0.40	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Diethylphthalate	ND	0.40	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
2,4-Dimethylphenol	ND	0.40	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Dimethylphthalate	ND	0.40	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
4,6-Dinitro-2-methylphenol	ND	0.40	0.27	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
2,4-Dinitrophenol	ND	0.78	0.35	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
2,4-Dinitrotoluene	ND	0.40	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
2,6-Dinitrotoluene	ND	0.40	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Di-n-octylphthalate	ND	0.40	0.14	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.40	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Fluoranthene	ND	0.20	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Fluorene	ND	0.20	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-09-2-12-121421 Sampled: 12/14/2021 10:15

Sample ID: 21L1105-22

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.40	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Hexachlorobutadiene	ND	0.40	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Hexachlorocyclopentadiene	ND	0.40	0.17	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Hexachloroethane	ND	0.40	0.048	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Indeno(1,2,3-cd)pyrene	ND	0.20	0.091	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Isophorone	ND	0.40	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
1-Methylnaphthalene	ND	0.20	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
2-Methylnaphthalene	ND	0.20	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
2-Methylphenol	ND	0.40	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
3/4-Methylphenol	ND	0.40	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Naphthalene	ND	0.20	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
2-Nitroaniline	ND	0.40	0.086	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 1:53	IMR
3-Nitroaniline	ND	0.40	0.069	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 1:53	IMR
4-Nitroaniline	ND	0.40	0.087	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Nitrobenzene	ND	0.40	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
2-Nitrophenol	ND	0.40	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
4-Nitrophenol	ND	0.78	0.16	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
N-Nitrosodimethylamine	ND	0.40	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.40	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
N-Nitrosodi-n-propylamine	ND	0.40	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Pentachloronitrobenzene	ND	0.40	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Pentachlorophenol	ND	0.40	0.18	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Phenanthrene	ND	0.20	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Phenol	ND	0.40	0.057	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Pyrene	ND	0.20	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
Pyridine	ND	0.40	0.041	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.40	0.053	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
1,2,4-Trichlorobenzene	ND	0.40	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
2,4,5-Trichlorophenol	ND	0.40	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR
2,4,6-Trichlorophenol	ND	0.40	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 1:53	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2-Fluorophenol	41.1	30-130		12/30/21	1:53
Phenol-d6	45.1	30-130		12/30/21	1:53
Nitrobenzene-d5	44.1	30-130		12/30/21	1:53
2-Fluorobiphenyl	43.9	30-130		12/30/21	1:53
2,4,6-Tribromophenol	61.8	30-130		12/30/21	1:53
p-Terphenyl-d14	53.4	30-130		12/30/21	1:53

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-09-2-12-121421 Sampled: 12/14/2021 10:15

Sample ID: 21L1105-22

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Phosphine imide, P,P,P-trip...	0.26	mg/Kg dry	153588	8.767	1	002240-47-3	86	SW-846 8270E	12/23/21	12/30/21 1:53	IMR

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-09-2-12-121421 | Sampled: 12/14/2021 10:15

Sample ID: 21L1105-22

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	0.057	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:14	SFM
Aroclor-1221 [1]	ND	0.095	0.062	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:14	SFM
Aroclor-1232 [1]	ND	0.095	0.043	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:14	SFM
Aroclor-1242 [1]	ND	0.095	0.047	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:14	SFM
Aroclor-1248 [1]	ND	0.095	0.057	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:14	SFM
Aroclor-1254 [1]	ND	0.095	0.062	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:14	SFM
Aroclor-1260 [1]	ND	0.095	0.066	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:14	SFM
Aroclor-1262 [1]	ND	0.095	0.047	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:14	SFM
Aroclor-1268 [1]	ND	0.095	0.038	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:14	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.6	30-150		12/30/21 17:14
Decachlorobiphenyl [2]	93.4	30-150		12/30/21 17:14
Tetrachloro-m-xylene [1]	82.5	30-150		12/30/21 17:14
Tetrachloro-m-xylene [2]	93.5	30-150		12/30/21 17:14

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-09-2-12-121421 Sampled: 12/14/2021 10:15

Sample ID: 21L1105-22

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	14000	19	7.0	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Antimony	ND	1.9	0.77	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Arsenic	3.0	3.8	1.4	mg/Kg dry	1	J	SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Barium	110	1.9	0.73	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Beryllium	0.74	0.19	0.072	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Cadmium	ND	0.38	0.19	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Calcium	13000	19	7.4	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Chromium	18	0.76	0.43	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Cobalt	7.0	1.9	0.70	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Copper	14	0.76	0.37	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Iron	24000	95	38	mg/Kg dry	5		SW-846 6010D	12/28/21	1/3/22 15:02	MJH
Lead	8.0	0.57	0.28	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Magnesium	6000	19	6.7	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Manganese	430	0.38	0.15	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Mercury	0.015	0.033	0.011	mg/Kg dry	1	J	SW-846 7471B	12/22/21	12/27/21 9:43	DRL
Nickel	15	0.76	0.39	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Potassium	2100	950	360	mg/Kg dry	5		SW-846 6010D	12/28/21	1/3/22 15:02	MJH
Selenium	ND	3.8	1.4	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Silver	ND	0.38	0.17	mg/Kg dry	1		SW-846 6010D	12/28/21	12/30/21 16:09	MJH
Sodium	180	190	74	mg/Kg dry	1	J	SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Thallium	1.3	1.9	0.91	mg/Kg dry	1	J	SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Vanadium	28	0.76	0.38	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:19	QNW
Zinc	44	0.76	0.49	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:19	QNW

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-09-2-12-121421 Sampled: 12/14/2021 10:15

Sample ID: 21L1105-22

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.3			% Wt	1		SM 2540G	12/17/21	12/19/21 10:49	MJH
Cyanide	ND	0.51	0.36	mg/Kg dry	1		SW-846 9014	12/22/21	12/22/21 23:20	DJM

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-09-2-12-121421 Sampled: 12/14/2021 10:15

Sample ID: 21L1105-22

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane (SIM)	ND	3.5	1.6	µg/kg	1		SW-846 8270D-E		1/5/22 6:20	EFL

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: EB-2-121421 | Sampled: 12/14/2021 10:50

Sample ID: 21L1105-23

Sample Matrix: Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	21	1.4	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Acenaphthylene	ND	21	1.3	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Acetophenone	ND	42	1.9	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Aniline	ND	21	3.4	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Anthracene	ND	21	1.6	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Benzidine	ND	83	41	µg/L	1	V-05, V-35	SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Benzo(a)anthracene	ND	21	1.6	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Benzo(a)pyrene	ND	21	2.0	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Benzo(b)fluoranthene	ND	21	1.7	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Benzo(g,h,i)perylene	ND	21	2.7	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Benzo(k)fluoranthene	ND	21	1.5	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Benzoic Acid	ND	42	38	µg/L	1	V-06	SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Bis(2-chloroethoxy)methane	ND	42	1.8	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Bis(2-chloroethyl)ether	ND	42	2.2	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Bis(2-chloroisopropyl)ether	ND	42	2.5	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Bis(2-Ethylhexyl)phthalate	ND	42	3.8	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
4-Bromophenylphenylether	ND	42	1.6	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Butylbenzylphthalate	ND	42	2.9	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Carbazole	ND	42	1.7	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
4-Chloroaniline	ND	42	1.8	µg/L	1	V-20, V-34	SW-846 8270E	12/21/21	12/30/21 8:57	BGL
4-Chloro-3-methylphenol	ND	42	2.3	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
2-Chloronaphthalene	ND	42	1.1	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
2-Chlorophenol	ND	42	1.6	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
4-Chlorophenylphenylether	ND	42	1.4	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Chrysene	ND	21	1.6	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Dibenz(a,h)anthracene	ND	21	3.0	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Dibenzofuran	ND	21	1.4	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Di-n-butylphthalate	ND	42	2.1	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
1,2-Dichlorobenzene	ND	21	0.98	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
1,3-Dichlorobenzene	ND	21	1.0	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
1,4-Dichlorobenzene	ND	21	1.1	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
3,3-Dichlorobenzidine	ND	42	2.6	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
2,4-Dichlorophenol	ND	42	1.5	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Diethylphthalate	ND	42	2.0	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
2,4-Dimethylphenol	ND	42	4.0	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Dimethylphthalate	ND	42	1.7	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
4,6-Dinitro-2-methylphenol	ND	42	27	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
2,4-Dinitrophenol	ND	42	33	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
2,4-Dinitrotoluene	ND	42	2.5	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
2,6-Dinitrotoluene	ND	42	2.1	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Di-n-octylphthalate	ND	42	23	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	42	2.2	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Fluoranthene	ND	21	1.5	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Fluorene	ND	21	1.7	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: EB-2-121421 | Sampled: 12/14/2021 10:50

Sample ID: 21L1105-23

Sample Matrix: Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	42	1.5	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Hexachlorobutadiene	ND	42	1.1	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Hexachlorocyclopentadiene	ND	42	18	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Hexachloroethane	ND	42	1.3	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Indeno(1,2,3-cd)pyrene	ND	21	3.3	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Isophorone	ND	42	2.0	µg/L	1	V-20	SW-846 8270E	12/21/21	12/30/21 8:57	BGL
1-Methylnaphthalene	ND	21	1.2	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
2-Methylnaphthalene	ND	21	1.4	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
2-Methylphenol	ND	42	1.5	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
3/4-Methylphenol	ND	42	1.6	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Naphthalene	ND	21	1.2	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
2-Nitroaniline	ND	42	3.1	µg/L	1	V-20	SW-846 8270E	12/21/21	12/30/21 8:57	BGL
3-Nitroaniline	ND	42	2.1	µg/L	1	V-20	SW-846 8270E	12/21/21	12/30/21 8:57	BGL
4-Nitroaniline	ND	42	2.0	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Nitrobenzene	ND	42	2.2	µg/L	1	V-20	SW-846 8270E	12/21/21	12/30/21 8:57	BGL
2-Nitrophenol	ND	42	2.0	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
4-Nitrophenol	ND	42	8.6	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
N-Nitrosodimethylamine	ND	42	3.4	µg/L	1	L-04	SW-846 8270E	12/21/21	12/30/21 8:57	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	42	1.7	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
N-Nitrosodi-n-propylamine	ND	42	2.2	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Pentachloronitrobenzene	ND	42	2.7	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Pentachlorophenol	ND	42	16	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Phenanthrene	ND	21	1.7	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Phenol	ND	42	1.0	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Pyrene	ND	21	2.0	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
Pyridine	ND	21	11	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
1,2,4,5-Tetrachlorobenzene	ND	42	1.1	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
1,2,4-Trichlorobenzene	ND	21	1.0	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
2,4,5-Trichlorophenol	ND	42	1.9	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL
2,4,6-Trichlorophenol	ND	42	1.7	µg/L	1		SW-846 8270E	12/21/21	12/30/21 8:57	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
2-Fluorophenol	63.1	15-110		12/30/21	8:57
Phenol-d6	64.2	15-110		12/30/21	8:57
Nitrobenzene-d5	79.3	30-130		12/30/21	8:57
2-Fluorobiphenyl	72.3	30-130		12/30/21	8:57
2,4,6-Tribromophenol	82.4	15-110		12/30/21	8:57
p-Terphenyl-d14	94.7	30-130		12/30/21	8:57

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: EB-2-121421 Sampled: 12/14/2021 10:50

Sample ID: 21L1105-23

Sample Matrix: Water

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	µg/L			1			SW-846 8270E	12/21/21	12/30/21 8:57	BGL

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-10-0-2-121421 | Sampled: 12/14/2021 11:00

Sample ID: 21L1105-24

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.25	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Acenaphthylene	ND	0.25	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Acetophenone	ND	0.51	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Aniline	ND	0.51	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Anthracene	ND	0.25	0.083	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Benzidine	ND	0.98	0.23	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Benzo(a)anthracene	ND	0.25	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Benzo(a)pyrene	ND	0.25	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Benzo(b)fluoranthene	ND	0.25	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Benzo(g,h,i)perylene	ND	0.25	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Benzo(k)fluoranthene	ND	0.25	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Benzoic Acid	ND	1.5	0.60	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Bis(2-chloroethoxy)methane	ND	0.51	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Bis(2-chloroethyl)ether	ND	0.51	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Bis(2-chloroisopropyl)ether	ND	0.51	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Bis(2-Ethylhexyl)phthalate	ND	0.51	0.085	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
4-Bromophenylphenylether	ND	0.51	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Butylbenzylphthalate	ND	0.51	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Carbazole	ND	0.25	0.083	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
4-Chloroaniline	ND	0.98	0.067	mg/Kg dry	1	V-20, V-34	SW-846 8270E	12/23/21	12/30/21 2:21	IMR
4-Chloro-3-methylphenol	ND	0.98	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
2-Chloronaphthalene	ND	0.51	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
2-Chlorophenol	ND	0.51	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
4-Chlorophenylphenylether	ND	0.51	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Chrysene	ND	0.25	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Dibenz(a,h)anthracene	ND	0.25	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Dibenzofuran	ND	0.51	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Di-n-butylphthalate	ND	0.51	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
1,2-Dichlorobenzene	ND	0.51	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
1,3-Dichlorobenzene	ND	0.51	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
1,4-Dichlorobenzene	ND	0.51	0.053	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
3,3-Dichlorobenzidine	ND	0.25	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
2,4-Dichlorophenol	ND	0.51	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Diethylphthalate	ND	0.51	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
2,4-Dimethylphenol	ND	0.51	0.14	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Dimethylphthalate	ND	0.51	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
4,6-Dinitro-2-methylphenol	ND	0.51	0.34	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
2,4-Dinitrophenol	ND	0.98	0.44	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
2,4-Dinitrotoluene	ND	0.51	0.099	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
2,6-Dinitrotoluene	ND	0.51	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Di-n-octylphthalate	ND	0.51	0.18	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
1,2-Diphenylhydrazine/Azobenzene	ND	0.51	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Fluoranthene	ND	0.25	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Fluorene	ND	0.25	0.085	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-10-0-2-121421 Sampled: 12/14/2021 11:00

Sample ID: 21L1105-24

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.51	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Hexachlorobutadiene	ND	0.51	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Hexachlorocyclopentadiene	ND	0.51	0.21	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Hexachloroethane	ND	0.51	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Indeno(1,2,3-cd)pyrene	ND	0.25	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Isophorone	ND	0.51	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
1-Methylnaphthalene	ND	0.25	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
2-Methylnaphthalene	ND	0.25	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
2-Methylphenol	ND	0.51	0.094	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
3/4-Methylphenol	ND	0.51	0.082	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Naphthalene	ND	0.25	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
2-Nitroaniline	ND	0.51	0.11	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 2:21	IMR
3-Nitroaniline	ND	0.51	0.086	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 2:21	IMR
4-Nitroaniline	ND	0.51	0.11	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Nitrobenzene	ND	0.51	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
2-Nitrophenol	ND	0.51	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
4-Nitrophenol	ND	0.98	0.21	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
N-Nitrosodimethylamine	ND	0.51	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
N-Nitrosodiphenylamine/Diphenylamine	ND	0.51	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
N-Nitrosodi-n-propylamine	ND	0.51	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Pentachloronitrobenzene	ND	0.51	0.085	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Pentachlorophenol	ND	0.51	0.22	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Phenanthrene	ND	0.25	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Phenol	ND	0.51	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Pyrene	ND	0.25	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Pyridine	ND	0.51	0.052	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
1,2,4,5-Tetrachlorobenzene	ND	0.51	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
1,2,4-Trichlorobenzene	ND	0.51	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
2,4,5-Trichlorophenol	ND	0.51	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR
2,4,6-Trichlorophenol	ND	0.51	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/30/21 2:21	IMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	47.4	30-130		12/30/21 2:21
Phenol-d6	57.9	30-130		12/30/21 2:21
Nitrobenzene-d5	61.6	30-130		12/30/21 2:21
2-Fluorobiphenyl	56.7	30-130		12/30/21 2:21
2,4,6-Tribromophenol	55.4	30-130		12/30/21 2:21
p-Terphenyl-d14	64.4	30-130		12/30/21 2:21

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-10-0-2-121421 Sampled: 12/14/2021 11:00

Sample ID: 21L1105-24

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Heptacosane	0.64	mg/Kg dry	226946	12.408	1	000593-49-7	91	SW-846 8270E	12/23/21	12/30/21 2:21	IMR
n-Hexadecanoic acid	0.56	mg/Kg dry	254137	6.411	1	000057-10-3	97	SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Oxalic acid, isobutyl hepta...	1.1	mg/Kg dry	385292	10.961	1	1000309-38-2	91	SW-846 8270E	12/23/21	12/30/21 2:21	IMR
Tetracosanal	0.81	mg/Kg dry	284986	10.515	1	057866-08-7	91	SW-846 8270E	12/23/21	12/30/21 2:21	IMR

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-10-0-2-121421 Sampled: 12/14/2021 11:00

Sample ID: 21L1105-24

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	67.2			% Wt	1		SM 2540G	12/17/21	12/19/21 10:49	MJH

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-10-2-12-121421 | Sampled: 12/14/2021 11:15

Sample ID: 21L1105-25

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	0.034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Acrylonitrile	ND	0.0063	0.0010	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	0.00047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Benzene	ND	0.0021	0.00049	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Bromobenzene	ND	0.0021	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Bromochloromethane	ND	0.0021	0.00099	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Bromodichloromethane	ND	0.0021	0.00050	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Bromoform	ND	0.0021	0.00063	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Bromomethane	ND	0.010	0.0038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
2-Butanone (MEK)	ND	0.042	0.013	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
tert-Butyl Alcohol (TBA)	ND	0.10	0.051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
n-Butylbenzene	ND	0.0021	0.00054	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
sec-Butylbenzene	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
tert-Butylbenzene	ND	0.0021	0.00088	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	0.00054	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Carbon Disulfide	ND	0.010	0.0074	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Carbon Tetrachloride	ND	0.0021	0.00081	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Chlorobenzene	ND	0.0021	0.00056	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Chlorodibromomethane	ND	0.0010	0.00054	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Chloroethane	ND	0.021	0.0037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Chloroform	ND	0.0042	0.0010	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Chloromethane	ND	0.010	0.0034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
2-Chlorotoluene	ND	0.0021	0.00048	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
4-Chlorotoluene	ND	0.0021	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	0.00070	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	0.00065	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Dibromomethane	ND	0.0021	0.00076	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,2-Dichlorobenzene	ND	0.0021	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,3-Dichlorobenzene	ND	0.0021	0.00044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,4-Dichlorobenzene	ND	0.0021	0.00054	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
trans-1,4-Dichloro-2-butene	ND	0.0042	0.00059	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	0.0012	mg/Kg dry	1	V-05	SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,1-Dichloroethane	ND	0.0021	0.00053	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,2-Dichloroethane	ND	0.0021	0.00064	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,1-Dichloroethylene	ND	0.0042	0.0013	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
cis-1,2-Dichloroethylene	ND	0.0021	0.00055	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
trans-1,2-Dichloroethylene	ND	0.0021	0.00058	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,2-Dichloropropane	ND	0.0021	0.00049	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,3-Dichloropropane	ND	0.0010	0.00050	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
2,2-Dichloropropane	ND	0.0021	0.00080	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,1-Dichloropropene	ND	0.0021	0.00082	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
cis-1,3-Dichloropropene	ND	0.0010	0.00041	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
trans-1,3-Dichloropropene	ND	0.0010	0.00051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Diethyl Ether	ND	0.021	0.0023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-10-2-12-121421 | Sampled: 12/14/2021 11:15

Sample ID: 21L1105-25

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0010	0.00056	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,4-Dioxane	ND	0.10	0.023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Ethylbenzene	ND	0.0021	0.00047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Hexachlorobutadiene	ND	0.0021	0.00075	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
2-Hexanone (MBK)	ND	0.021	0.0061	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Isopropylbenzene (Cumene)	ND	0.0021	0.00075	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	0.00048	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Methyl Acetate	ND	0.0021	0.0014	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0042	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Methyl Cyclohexane	ND	0.0021	0.00076	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Methylene Chloride	ND	0.021	0.00058	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	0.0046	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Naphthalene	ND	0.0042	0.00054	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
n-Propylbenzene	ND	0.0021	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Styrene	ND	0.0021	0.00044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	0.00057	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	0.00057	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Tetrachloroethylene	ND	0.0021	0.00057	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Tetrahydrofuran	ND	0.010	0.0027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Toluene	ND	0.0021	0.00058	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,2,3-Trichlorobenzene	ND	0.0021	0.00057	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,2,4-Trichlorobenzene	ND	0.0021	0.00051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,3,5-Trichlorobenzene	ND	0.0021	0.00051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,1,1-Trichloroethane	ND	0.0021	0.00071	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,1,2-Trichloroethane	ND	0.0021	0.00048	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Trichloroethylene	ND	0.0021	0.00051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	0.0038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,2,3-Trichloropropane	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	0.0028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,2,4-Trimethylbenzene	ND	0.0021	0.00067	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
1,3,5-Trimethylbenzene	ND	0.0021	0.00046	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
Vinyl Chloride	ND	0.010	0.0032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
m+p Xylene	ND	0.0042	0.00079	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF
o-Xylene	ND	0.0021	0.00043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 14:41	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	118	70-130		12/16/21 14:41
Toluene-d8	102	70-130		12/16/21 14:41
4-Bromofluorobenzene	94.0	70-130		12/16/21 14:41

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-10-2-12-121421 Sampled: 12/14/2021 11:15

Sample ID: 21L1105-25

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg dry			1			SW-846 8260D	12/16/21	12/16/21 14:41	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-10-2-12-121421 | Sampled: 12/14/2021 11:15

Sample ID: 21L1105-25

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.29	0.092	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Acenaphthylene	ND	0.29	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Acetophenone	ND	0.59	0.081	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Aniline	ND	0.59	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Anthracene	ND	0.29	0.096	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Benzidine	ND	1.1	0.27	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Benzo(a)anthracene	ND	0.29	0.082	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Benzo(a)pyrene	ND	0.29	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Benzo(b)fluoranthene	ND	0.29	0.089	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Benzo(g,h,i)perylene	ND	0.29	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Benzo(k)fluoranthene	ND	0.29	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Benzoic Acid	ND	1.7	0.70	mg/Kg dry	1	V-06	SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Bis(2-chloroethoxy)methane	ND	0.59	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Bis(2-chloroethyl)ether	ND	0.59	0.081	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Bis(2-chloroisopropyl)ether	ND	0.59	0.13	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.59	0.099	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
4-Bromophenylphenylether	ND	0.59	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Butylbenzylphthalate	ND	0.59	0.094	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Carbazole	ND	0.29	0.097	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
4-Chloroaniline	ND	1.1	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
4-Chloro-3-methylphenol	ND	1.1	0.098	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
2-Chloronaphthalene	ND	0.59	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
2-Chlorophenol	ND	0.59	0.082	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
4-Chlorophenylphenylether	ND	0.59	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Chrysene	ND	0.29	0.085	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Dibenz(a,h)anthracene	ND	0.29	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Dibenzofuran	ND	0.59	0.087	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Di-n-butylphthalate	ND	0.59	0.083	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
1,2-Dichlorobenzene	ND	0.59	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
1,3-Dichlorobenzene	ND	0.59	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
1,4-Dichlorobenzene	ND	0.59	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
3,3-Dichlorobenzidine	ND	0.29	0.086	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
2,4-Dichlorophenol	ND	0.59	0.088	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Diethylphthalate	ND	0.59	0.090	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
2,4-Dimethylphenol	ND	0.59	0.16	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Dimethylphthalate	ND	0.59	0.086	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
4,6-Dinitro-2-methylphenol	ND	0.59	0.40	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
2,4-Dinitrophenol	ND	1.1	0.51	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
2,4-Dinitrotoluene	ND	0.59	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
2,6-Dinitrotoluene	ND	0.59	0.098	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Di-n-octylphthalate	ND	0.59	0.21	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	0.59	0.085	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Fluoranthene	ND	0.29	0.094	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Fluorene	ND	0.29	0.099	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-10-2-12-121421 Sampled: 12/14/2021 11:15

Sample ID: 21L1105-25

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.59	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Hexachlorobutadiene	ND	0.59	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Hexachlorocyclopentadiene	ND	0.59	0.25	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Hexachloroethane	ND	0.59	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Indeno(1,2,3-cd)pyrene	ND	0.29	0.13	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Isophorone	ND	0.59	0.098	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
1-Methylnaphthalene	ND	0.29	0.082	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
2-Methylnaphthalene	ND	0.29	0.093	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
2-Methylphenol	ND	0.59	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
3/4-Methylphenol	ND	0.59	0.095	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Naphthalene	ND	0.29	0.081	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
2-Nitroaniline	ND	0.59	0.13	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
3-Nitroaniline	ND	0.59	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
4-Nitroaniline	ND	0.59	0.13	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Nitrobenzene	ND	0.59	0.086	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
2-Nitrophenol	ND	0.59	0.092	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
4-Nitrophenol	ND	1.1	0.24	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
N-Nitrosodimethylamine	ND	0.59	0.088	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 17:08	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.59	0.088	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
N-Nitrosodi-n-propylamine	ND	0.59	0.081	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Pentachloronitrobenzene	ND	0.59	0.099	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Pentachlorophenol	ND	0.59	0.26	mg/Kg dry	1	V-05	SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Phenanthrene	ND	0.29	0.093	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Phenol	ND	0.59	0.084	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Pyrene	ND	0.29	0.094	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Pyridine	ND	0.59	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.59	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
1,2,4-Trichlorobenzene	ND	0.59	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
2,4,5-Trichlorophenol	ND	0.59	0.092	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL
2,4,6-Trichlorophenol	ND	0.59	0.091	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:08	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	49.1	30-130		12/29/21 17:08
Phenol-d6	54.9	30-130		12/29/21 17:08
Nitrobenzene-d5	45.1	30-130		12/29/21 17:08
2-Fluorobiphenyl	53.2	30-130		12/29/21 17:08
2,4,6-Tribromophenol	56.9	30-130		12/29/21 17:08
p-Terphenyl-d14	63.8	30-130		12/29/21 17:08

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-10-2-12-121421 Sampled: 12/14/2021 11:15

Sample ID: 21L1105-25

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
1-Nonadecanol	0.49	mg/Kg dry	86256	8.273	1	001454-84-8	94	SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Heptane, 2,5-dimethyl-	0.44	mg/Kg dry	56562	2.389	1	002216-30-0	90	SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Hexadecenoic acid, Z-11-	0.81	mg/Kg dry	146282	6.286	1	002416-20-8	98	SW-846 8270E	12/23/21	12/29/21 17:08	BGL
n-Hexadecanoic acid	0.99	mg/Kg dry	178925	6.311	1	000057-10-3	98	SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Octacosane	0.62	mg/Kg dry	112703	12.247	1	000630-02-4	91	SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Oxalic acid, isobutyl hepta...	0.69	mg/Kg dry	122818	9.403	1	1000309-38-2	86	SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Pentadecanal-	0.56	mg/Kg dry	101839	10.332	1	002765-11-9	91	SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Phosphine imide, P,P,P-trip...	1.1	mg/Kg dry	196273	8.605	1	002240-47-3	87	SW-846 8270E	12/23/21	12/29/21 17:08	BGL
Trichloroacetic acid, hexad...	1.2	mg/Kg dry	214933	10.775	1	074339-54-1	93	SW-846 8270E	12/23/21	12/29/21 17:08	BGL

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-10-2-12-121421 Sampled: 12/14/2021 11:15

Sample ID: 21L1105-25

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	57.3			% Wt	1		SM 2540G	12/17/21	12/19/21 10:50	MJH

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-11-0-2-121421 | Sampled: 12/14/2021 11:35

Sample ID: 21L1105-26

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Acenaphthylene	ND	0.22	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Acetophenone	ND	0.44	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Aniline	ND	0.44	0.092	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Anthracene	ND	0.22	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Benzidine	ND	0.86	0.20	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Benzo(a)anthracene	0.41	0.22	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Benzo(a)pyrene	0.61	0.22	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Benzo(b)fluoranthene	1.0	0.22	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Benzo(g,h,i)perylene	0.50	0.22	0.093	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Benzo(k)fluoranthene	0.39	0.22	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Benzoic Acid	ND	1.3	0.53	mg/Kg dry	1	V-06	SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Bis(2-chloroethoxy)methane	ND	0.44	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Bis(2-chloroethyl)ether	ND	0.44	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Bis(2-chloroisopropyl)ether	ND	0.44	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.44	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
4-Bromophenylphenylether	ND	0.44	0.057	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Butylbenzylphthalate	ND	0.44	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Carbazole	ND	0.22	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
4-Chloroaniline	ND	0.86	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
4-Chloro-3-methylphenol	ND	0.86	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
2-Chloronaphthalene	ND	0.44	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
2-Chlorophenol	ND	0.44	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
4-Chlorophenylphenylether	ND	0.44	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Chrysene	0.65	0.22	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Dibenz(a,h)anthracene	0.11	0.22	0.090	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Dibenzofuran	ND	0.44	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Di-n-butylphthalate	ND	0.44	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
1,2-Dichlorobenzene	ND	0.44	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
1,3-Dichlorobenzene	ND	0.44	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
1,4-Dichlorobenzene	ND	0.44	0.046	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
3,3-Dichlorobenzidine	ND	0.22	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
2,4-Dichlorophenol	ND	0.44	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Diethylphthalate	ND	0.44	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
2,4-Dimethylphenol	ND	0.44	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Dimethylphthalate	ND	0.44	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
4,6-Dinitro-2-methylphenol	ND	0.44	0.30	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
2,4-Dinitrophenol	ND	0.86	0.38	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
2,4-Dinitrotoluene	ND	0.44	0.087	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
2,6-Dinitrotoluene	ND	0.44	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Di-n-octylphthalate	ND	0.44	0.16	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	0.44	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Fluoranthene	1.1	0.22	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Fluorene	ND	0.22	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-11-0-2-121421 | Sampled: 12/14/2021 11:35

Sample ID: 21L1105-26

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.44	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Hexachlorobutadiene	ND	0.44	0.057	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Hexachlorocyclopentadiene	ND	0.44	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Hexachloroethane	ND	0.44	0.053	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Indeno(1,2,3-cd)pyrene	0.54	0.22	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Isophorone	ND	0.44	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
1-Methylnaphthalene	ND	0.22	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
2-Methylnaphthalene	ND	0.22	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
2-Methylphenol	ND	0.44	0.082	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
3/4-Methylphenol	ND	0.44	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Naphthalene	ND	0.22	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
2-Nitroaniline	ND	0.44	0.094	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
3-Nitroaniline	ND	0.44	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
4-Nitroaniline	ND	0.44	0.095	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Nitrobenzene	ND	0.44	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
2-Nitrophenol	ND	0.44	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
4-Nitrophenol	ND	0.86	0.18	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
N-Nitrosodimethylamine	ND	0.44	0.066	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 17:36	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.44	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
N-Nitrosodi-n-propylamine	ND	0.44	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Pentachloronitrobenzene	ND	0.44	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Pentachlorophenol	ND	0.44	0.19	mg/Kg dry	1	V-05	SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Phenanthrene	0.26	0.22	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Phenol	ND	0.44	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Pyrene	0.90	0.22	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Pyridine	ND	0.44	0.045	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.44	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
1,2,4-Trichlorobenzene	ND	0.44	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
2,4,5-Trichlorophenol	ND	0.44	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL
2,4,6-Trichlorophenol	ND	0.44	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 17:36	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	48.3	30-130		12/29/21 17:36
Phenol-d6	53.8	30-130		12/29/21 17:36
Nitrobenzene-d5	46.7	30-130		12/29/21 17:36
2-Fluorobiphenyl	51.4	30-130		12/29/21 17:36
2,4,6-Tribromophenol	45.6	30-130		12/29/21 17:36
p-Terphenyl-d14	53.9	30-130		12/29/21 17:36

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-11-0-2-121421 Sampled: 12/14/2021 11:35

Sample ID: 21L1105-26

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
3-Penten-2-one, 4-methyl-	0.53	mg/Kg dry	69011	2.209	1	000141-79-7	94	SW-846 8270E	12/23/21	12/29/21 17:36	BGL
4-((1E)-3-Hydroxy-1-propeny...	0.18	mg/Kg dry	34337	5.761	1	1000297-95-5	95	SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Benzaldehyde, 4-hydroxy-	0.19	mg/Kg dry	35617	4.559	1	000123-08-0	97	SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Hexadecane	0.46	mg/Kg dry	83823	12.247	1	000544-76-3	91	SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Myristoleic acid	0.51	mg/Kg dry	97900	6.286	1	000544-64-9	91	SW-846 8270E	12/23/21	12/29/21 17:36	BGL
n-Hexadecanoic acid	0.35	mg/Kg dry	68100	6.308	1	000057-10-3	96	SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Oxirane, [(hexadecyloxy)met...	0.38	mg/Kg dry	98522	9.403	1	015965-99-8	91	SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Oxirane, tetradecyl-	0.96	mg/Kg dry	176104	11.841	1	007320-37-8	91	SW-846 8270E	12/23/21	12/29/21 17:36	BGL
Phosphine imide, P,P,P-trip...	0.90	mg/Kg dry	234288	8.605	1	002240-47-3	95	SW-846 8270E	12/23/21	12/29/21 17:36	BGL
vanillin	0.20	mg/Kg dry	37849	4.718	1	000121-33-5	98	SW-846 8270E	12/23/21	12/29/21 17:36	BGL

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-11-0-2-121421 Sampled: 12/14/2021 11:35

Sample ID: 21L1105-26

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.0			% Wt	1		SM 2540G	12/17/21	12/19/21 10:50	MJH

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-11-0-2-121421 Sampled: 12/14/2021 11:35

Sample ID: 21L1105-26

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane (SIM)	ND	19	8.3	µg/kg	1		SW-846 8270D-E		1/5/22 6:50	EFL

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-11-2-12-121421 | Sampled: 12/14/2021 11:45

Sample ID: 21L1105-27

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.031	0.064	0.021	mg/Kg dry	1	J	SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Acrylonitrile	ND	0.0038	0.00062	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00064	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Benzene	ND	0.0013	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Bromobenzene	ND	0.0013	0.00021	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Bromochloromethane	ND	0.0013	0.00061	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Bromodichloromethane	ND	0.0013	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Bromoform	ND	0.0013	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Bromomethane	ND	0.0064	0.0024	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
2-Butanone (MEK)	ND	0.026	0.0077	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
tert-Butyl Alcohol (TBA)	ND	0.064	0.031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
n-Butylbenzene	ND	0.0013	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
sec-Butylbenzene	ND	0.0013	0.00062	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
tert-Butylbenzene	ND	0.0013	0.00054	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00064	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Carbon Disulfide	ND	0.0064	0.0045	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Carbon Tetrachloride	ND	0.0013	0.00050	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Chlorobenzene	ND	0.0013	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Chlorodibromomethane	ND	0.00064	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Chloroethane	ND	0.013	0.0022	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Chloroform	ND	0.0026	0.00064	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Chloromethane	ND	0.0064	0.0021	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
2-Chlorotoluene	ND	0.0013	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
4-Chlorotoluene	ND	0.0013	0.00022	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	0.00043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,2-Dibromoethane (EDB)	ND	0.00064	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Dibromomethane	ND	0.0013	0.00047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,2-Dichlorobenzene	ND	0.0013	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,3-Dichlorobenzene	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,4-Dichlorobenzene	ND	0.0013	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
trans-1,4-Dichloro-2-butene	ND	0.0026	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	0.00074	mg/Kg dry	1	V-05	SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,1-Dichloroethane	ND	0.0013	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,2-Dichloroethane	ND	0.0013	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,1-Dichloroethylene	ND	0.0026	0.00080	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
cis-1,2-Dichloroethylene	ND	0.0013	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
trans-1,2-Dichloroethylene	ND	0.0013	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,2-Dichloropropane	ND	0.0013	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,3-Dichloropropane	ND	0.00064	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
2,2-Dichloropropane	ND	0.0013	0.00049	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,1-Dichloropropene	ND	0.0013	0.00050	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
cis-1,3-Dichloropropene	ND	0.00064	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
trans-1,3-Dichloropropene	ND	0.00064	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Diethyl Ether	ND	0.013	0.0014	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-11-2-12-121421 | Sampled: 12/14/2021 11:45

Sample ID: 21L1105-27

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00064	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,4-Dioxane	ND	0.064	0.014	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Ethylbenzene	ND	0.0013	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Hexachlorobutadiene	ND	0.0013	0.00046	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
2-Hexanone (MBK)	ND	0.013	0.0037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Isopropylbenzene (Cumene)	ND	0.0013	0.00046	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Methyl Acetate	ND	0.0013	0.00087	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0026	0.00024	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Methyl Cyclohexane	ND	0.0013	0.00046	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Methylene Chloride	ND	0.013	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	0.0028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Naphthalene	ND	0.0026	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
n-Propylbenzene	ND	0.0013	0.00025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Styrene	ND	0.0013	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.00064	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Tetrachloroethylene	ND	0.0013	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Tetrahydrofuran	ND	0.0064	0.0016	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Toluene	ND	0.0013	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,2,3-Trichlorobenzene	ND	0.0013	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,2,4-Trichlorobenzene	ND	0.0013	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,3,5-Trichlorobenzene	ND	0.0013	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,1,1-Trichloroethane	ND	0.0013	0.00043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,1,2-Trichloroethane	ND	0.0013	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Trichloroethylene	ND	0.0013	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0064	0.0023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,2,3-Trichloropropane	ND	0.0013	0.00061	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0064	0.0017	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,2,4-Trimethylbenzene	ND	0.0013	0.00041	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
1,3,5-Trimethylbenzene	ND	0.0013	0.00028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
Vinyl Chloride	ND	0.0064	0.0019	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
m+p Xylene	ND	0.0026	0.00048	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF
o-Xylene	ND	0.0013	0.00026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:07	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		12/16/21 15:07
Toluene-d8	100	70-130		12/16/21 15:07
4-Bromofluorobenzene	94.4	70-130		12/16/21 15:07

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-11-2-12-121421 Sampled: 12/14/2021 11:45

Sample ID: 21L1105-27

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexanal	0.0044	mg/Kg dry	149563	7.065	1	000066-25-1	90	SW-846 8260D	12/16/21	12/16/21 15:07	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-11-2-12-121421 | Sampled: 12/14/2021 11:45

Sample ID: 21L1105-27

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Acenaphthylene	ND	0.21	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Acetophenone	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Aniline	ND	0.43	0.089	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Anthracene	ND	0.21	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Benzidine	ND	0.83	0.19	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Benzo(a)anthracene	0.26	0.21	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Benzo(a)pyrene	0.42	0.21	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Benzo(b)fluoranthene	0.69	0.21	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Benzo(g,h,i)perylene	0.36	0.21	0.089	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Benzo(k)fluoranthene	0.26	0.21	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Benzoic Acid	ND	1.3	0.51	mg/Kg dry	1	V-06	SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Bis(2-chloroethoxy)methane	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Bis(2-chloroethyl)ether	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Bis(2-chloroisopropyl)ether	ND	0.43	0.097	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
4-Bromophenylphenylether	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Butylbenzylphthalate	ND	0.43	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Carbazole	ND	0.21	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
4-Chloroaniline	ND	0.83	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
4-Chloro-3-methylphenol	ND	0.83	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
2-Chloronaphthalene	ND	0.43	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
2-Chlorophenol	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
4-Chlorophenylphenylether	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Chrysene	0.44	0.21	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Dibenz(a,h)anthracene	ND	0.21	0.086	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Dibenzofuran	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Di-n-butylphthalate	ND	0.43	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
1,2-Dichlorobenzene	ND	0.43	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
1,3-Dichlorobenzene	ND	0.43	0.047	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
1,4-Dichlorobenzene	ND	0.43	0.044	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
3,3-Dichlorobenzidine	ND	0.21	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
2,4-Dichlorophenol	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Diethylphthalate	ND	0.43	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
2,4-Dimethylphenol	ND	0.43	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Dimethylphthalate	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
4,6-Dinitro-2-methylphenol	ND	0.43	0.29	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
2,4-Dinitrophenol	ND	0.83	0.37	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
2,4-Dinitrotoluene	ND	0.43	0.083	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
2,6-Dinitrotoluene	ND	0.43	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Di-n-octylphthalate	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Fluoranthene	0.69	0.21	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Fluorene	ND	0.21	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-11-2-12-121421 Sampled: 12/14/2021 11:45

Sample ID: 21L1105-27

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Hexachlorobutadiene	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Hexachlorocyclopentadiene	ND	0.43	0.18	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Hexachloroethane	ND	0.43	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Indeno(1,2,3-cd)pyrene	0.36	0.21	0.096	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Isophorone	ND	0.43	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
1-Methylnaphthalene	ND	0.21	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
2-Methylnaphthalene	ND	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
2-Methylphenol	ND	0.43	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
3/4-Methylphenol	ND	0.43	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Naphthalene	ND	0.21	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
2-Nitroaniline	ND	0.43	0.091	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
3-Nitroaniline	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
4-Nitroaniline	ND	0.43	0.091	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Nitrobenzene	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
2-Nitrophenol	ND	0.43	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
4-Nitrophenol	ND	0.83	0.17	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
N-Nitrosodimethylamine	ND	0.43	0.064	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 18:04	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
N-Nitrosodi-n-propylamine	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Pentachloronitrobenzene	ND	0.43	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Pentachlorophenol	ND	0.43	0.19	mg/Kg dry	1	V-05	SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Phenanthrene	0.14	0.21	0.067	mg/Kg dry	1	J	SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Phenol	ND	0.43	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Pyrene	0.58	0.21	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Pyridine	ND	0.43	0.043	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
1,2,4-Trichlorobenzene	ND	0.43	0.053	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
2,4,5-Trichlorophenol	ND	0.43	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL
2,4,6-Trichlorophenol	ND	0.43	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:04	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	44.6	30-130		12/29/21 18:04
Phenol-d6	49.5	30-130		12/29/21 18:04
Nitrobenzene-d5	43.1	30-130		12/29/21 18:04
2-Fluorobiphenyl	46.5	30-130		12/29/21 18:04
2,4,6-Tribromophenol	43.4	30-130		12/29/21 18:04
p-Terphenyl-d14	48.8	30-130		12/29/21 18:04

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-11-2-12-121421 Sampled: 12/14/2021 11:45

Sample ID: 21L1105-27

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
1,16-Hexadecanediol	0.88	mg/Kg dry	190394	11.85	1	007735-42-4	81	SW-846 8270E	12/23/21	12/29/21 18:04	BGL
1-Hexacosanol	0.19	mg/Kg dry	57945	8.27	1	000506-52-5	87	SW-846 8270E	12/23/21	12/29/21 18:04	BGL
3-Penten-2-one, 4-methyl-	0.36	mg/Kg dry	60248	2.212	1	000141-79-7	94	SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Heptane, 2,5-dimethyl-	0.22	mg/Kg dry	37720	2.389	1	002216-30-0	90	SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Hexadecenoic acid, Z-11-	0.42	mg/Kg dry	104358	6.286	1	002416-20-8	98	SW-846 8270E	12/23/21	12/29/21 18:04	BGL
n-Hexadecanoic acid	0.33	mg/Kg dry	82913	6.311	1	000057-10-3	97	SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Octadecane	0.81	mg/Kg dry	173631	12.251	1	000593-45-3	91	SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Phosphine imide, P,P,P-trip...	0.66	mg/Kg dry	206970	8.605	1	002240-47-3	97	SW-846 8270E	12/23/21	12/29/21 18:04	BGL
Tridecane	0.41	mg/Kg dry	127297	9.403	1	000629-50-5	92	SW-846 8270E	12/23/21	12/29/21 18:04	BGL

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: SSB-11-2-12-121421 Sampled: 12/14/2021 11:45

Sample ID: 21L1105-27

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.4			% Wt	1		SM 2540G	12/18/21	12/20/21 15:36	WAT

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: X-1-121421 | Sampled: 12/14/2021 00:00

Sample ID: 21L1105-28

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.051	0.077	0.025	mg/Kg dry	1	J	SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Acrylonitrile	ND	0.0046	0.00075	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00077	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Benzene	ND	0.0015	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Bromobenzene	ND	0.0015	0.00026	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Bromochloromethane	ND	0.0015	0.00073	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Bromodichloromethane	ND	0.0015	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Bromoform	ND	0.0015	0.00046	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Bromomethane	ND	0.0077	0.0028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
2-Butanone (MEK)	ND	0.031	0.0093	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
tert-Butyl Alcohol (TBA)	ND	0.077	0.037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
n-Butylbenzene	ND	0.0015	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
sec-Butylbenzene	ND	0.0015	0.00074	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
tert-Butylbenzene	ND	0.0015	0.00065	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00077	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Carbon Disulfide	ND	0.0077	0.0054	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Carbon Tetrachloride	ND	0.0015	0.00059	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Chlorobenzene	ND	0.0015	0.00041	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Chlorodibromomethane	ND	0.00077	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Chloroethane	ND	0.015	0.0027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Chloroform	ND	0.0031	0.00076	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Chloromethane	ND	0.0077	0.0025	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
2-Chlorotoluene	ND	0.0015	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
4-Chlorotoluene	ND	0.0015	0.00027	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	0.00051	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,2-Dibromoethane (EDB)	ND	0.00077	0.00048	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Dibromomethane	ND	0.0015	0.00056	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,2-Dichlorobenzene	ND	0.0015	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,3-Dichlorobenzene	ND	0.0015	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,4-Dichlorobenzene	ND	0.0015	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
trans-1,4-Dichloro-2-butene	ND	0.0031	0.00043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	0.00088	mg/Kg dry	1	V-05	SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,1-Dichloroethane	ND	0.0015	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,2-Dichloroethane	ND	0.0015	0.00047	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,1-Dichloroethylene	ND	0.0031	0.00095	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
cis-1,2-Dichloroethylene	ND	0.0015	0.00040	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
trans-1,2-Dichloroethylene	ND	0.0015	0.00043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,2-Dichloropropane	ND	0.0015	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,3-Dichloropropane	ND	0.00077	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
2,2-Dichloropropane	ND	0.0015	0.00059	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,1-Dichloropropene	ND	0.0015	0.00060	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
cis-1,3-Dichloropropene	ND	0.00077	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
trans-1,3-Dichloropropene	ND	0.00077	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Diethyl Ether	ND	0.015	0.0017	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: X-1-121421 | Sampled: 12/14/2021 00:00

Sample ID: 21L1105-28

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00077	0.00041	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,4-Dioxane	ND	0.077	0.017	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Ethylbenzene	ND	0.0015	0.00034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Hexachlorobutadiene	ND	0.0015	0.00055	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
2-Hexanone (MBK)	ND	0.015	0.0044	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Isopropylbenzene (Cumene)	ND	0.0015	0.00055	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	0.00035	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Methyl Acetate	ND	0.0015	0.0010	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	0.00029	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Methyl Cyclohexane	ND	0.0015	0.00056	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Methylene Chloride	ND	0.015	0.00043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	0.0034	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Naphthalene	ND	0.0031	0.00039	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
n-Propylbenzene	ND	0.0015	0.00030	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Styrene	ND	0.0015	0.00032	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,1,2,2-Tetrachloroethane	ND	0.00077	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Tetrachloroethylene	ND	0.0015	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Tetrahydrofuran	ND	0.0077	0.0019	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Toluene	ND	0.0015	0.00043	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,2,3-Trichlorobenzene	ND	0.0015	0.00042	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,2,4-Trichlorobenzene	ND	0.0015	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,3,5-Trichlorobenzene	ND	0.0015	0.00037	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,1,1-Trichloroethane	ND	0.0015	0.00052	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,1,2-Trichloroethane	ND	0.0015	0.00036	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Trichloroethylene	ND	0.0015	0.00038	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0077	0.0028	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,2,3-Trichloropropane	ND	0.0015	0.00073	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0077	0.0021	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,2,4-Trimethylbenzene	ND	0.0015	0.00049	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
1,3,5-Trimethylbenzene	ND	0.0015	0.00033	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
Vinyl Chloride	ND	0.0077	0.0023	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
m+p Xylene	ND	0.0031	0.00058	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF
o-Xylene	ND	0.0015	0.00031	mg/Kg dry	1		SW-846 8260D	12/16/21	12/16/21 15:32	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	115	70-130		12/16/21 15:32
Toluene-d8	102	70-130		12/16/21 15:32
4-Bromofluorobenzene	95.2	70-130		12/16/21 15:32

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: X-1-121421 | Sampled: 12/14/2021 00:00

Sample ID: 21L1105-28

Sample Matrix: Soil

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexanal	0.017	mg/Kg dry	499940	7.065	1	000066-25-1	86	SW-846 8260D	12/16/21	12/16/21 15:32	MFF

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: X-1-121421 | Sampled: 12/14/2021 00:00

Sample ID: 21L1105-28

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Acenaphthylene	ND	0.21	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Acetophenone	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Aniline	ND	0.43	0.089	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Anthracene	ND	0.21	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Benzidine	ND	0.83	0.19	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Benzo(a)anthracene	ND	0.21	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Benzo(a)pyrene	ND	0.21	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Benzo(b)fluoranthene	ND	0.21	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Benzo(g,h,i)perylene	ND	0.21	0.089	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Benzo(k)fluoranthene	ND	0.21	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Benzoic Acid	ND	1.3	0.51	mg/Kg dry	1	V-06	SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Bis(2-chloroethoxy)methane	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Bis(2-chloroethyl)ether	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Bis(2-chloroisopropyl)ether	ND	0.43	0.097	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
4-Bromophenylphenylether	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Butylbenzylphthalate	ND	0.43	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Carbazole	ND	0.21	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
4-Chloroaniline	ND	0.83	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
4-Chloro-3-methylphenol	ND	0.83	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
2-Chloronaphthalene	ND	0.43	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
2-Chlorophenol	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
4-Chlorophenylphenylether	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Chrysene	ND	0.21	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Dibenz(a,h)anthracene	ND	0.21	0.086	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Dibenzofuran	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Di-n-butylphthalate	ND	0.43	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
1,2-Dichlorobenzene	ND	0.43	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
1,3-Dichlorobenzene	ND	0.43	0.047	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
1,4-Dichlorobenzene	ND	0.43	0.044	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
3,3-Dichlorobenzidine	ND	0.21	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
2,4-Dichlorophenol	ND	0.43	0.063	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Diethylphthalate	ND	0.43	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
2,4-Dimethylphenol	ND	0.43	0.12	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Dimethylphthalate	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
4,6-Dinitro-2-methylphenol	ND	0.43	0.29	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
2,4-Dinitrophenol	ND	0.83	0.37	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
2,4-Dinitrotoluene	ND	0.43	0.083	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
2,6-Dinitrotoluene	ND	0.43	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Di-n-octylphthalate	ND	0.43	0.15	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	0.43	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Fluoranthene	ND	0.21	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Fluorene	ND	0.21	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: X-1-121421 | Sampled: 12/14/2021 00:00

Sample ID: 21L1105-28

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.43	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Hexachlorobutadiene	ND	0.43	0.054	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Hexachlorocyclopentadiene	ND	0.43	0.18	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Hexachloroethane	ND	0.43	0.051	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	0.096	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Isophorone	ND	0.43	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
1-Methylnaphthalene	ND	0.21	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
2-Methylnaphthalene	ND	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
2-Methylphenol	ND	0.43	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
3/4-Methylphenol	ND	0.43	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Naphthalene	ND	0.21	0.058	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
2-Nitroaniline	ND	0.43	0.091	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
3-Nitroaniline	ND	0.43	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
4-Nitroaniline	ND	0.43	0.091	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Nitrobenzene	ND	0.43	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
2-Nitrophenol	ND	0.43	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
4-Nitrophenol	ND	0.83	0.17	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
N-Nitrosodimethylamine	ND	0.43	0.064	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 18:31	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.43	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
N-Nitrosodi-n-propylamine	ND	0.43	0.059	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Pentachloronitrobenzene	ND	0.43	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Pentachlorophenol	ND	0.43	0.19	mg/Kg dry	1	V-05	SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Phenanthrene	ND	0.21	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Phenol	ND	0.43	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Pyrene	ND	0.21	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Pyridine	ND	0.43	0.043	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.43	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
1,2,4-Trichlorobenzene	ND	0.43	0.053	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
2,4,5-Trichlorophenol	ND	0.43	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL
2,4,6-Trichlorophenol	ND	0.43	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:31	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	57.0	30-130		12/29/21 18:31
Phenol-d6	63.8	30-130		12/29/21 18:31
Nitrobenzene-d5	55.2	30-130		12/29/21 18:31
2-Fluorobiphenyl	57.2	30-130		12/29/21 18:31
2,4,6-Tribromophenol	54.4	30-130		12/29/21 18:31
p-Terphenyl-d14	64.5	30-130		12/29/21 18:31

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: X-1-121421 | Sampled: 12/14/2021 00:00

Sample ID: 21L1105-28

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
17-Pentatriacontene	1.8	mg/Kg dry	330731	10.772	1	006971-40-0	87	SW-846 8270E	12/23/21	12/29/21 18:31	BGL
eicosane	0.74	mg/Kg dry	139892	12.244	1	000112-95-8	95	SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Heptane, 2,5-dimethyl-	0.23	mg/Kg dry	32426	2.386	1	002216-30-0	83	SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Hexadecenoic acid, Z-11-	0.23	mg/Kg dry	48102	6.286	1	002416-20-8	98	SW-846 8270E	12/23/21	12/29/21 18:31	BGL
n-Hexadecanoic acid	0.22	mg/Kg dry	45894	6.311	1	000057-10-3	98	SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Oxalic acid, cyclobutyl pen...	0.39	mg/Kg dry	75905	9.406	1	1000309-70-5	86	SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Oxirane, heptadecyl-	1.2	mg/Kg dry	216995	10.335	1	067860-04-2	94	SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Oxirane, hexadecyl-	0.60	mg/Kg dry	113007	11.837	1	007390-81-0	80	SW-846 8270E	12/23/21	12/29/21 18:31	BGL
Phosphine imide, P,P,P-trip...	0.98	mg/Kg dry	191618	8.608	1	002240-47-3	95	SW-846 8270E	12/23/21	12/29/21 18:31	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: X-1-121421 | Sampled: 12/14/2021 00:00

Sample ID: 21L1105-28

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	0.060	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:32	SFM
Aroclor-1221 [1]	ND	0.10	0.065	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:32	SFM
Aroclor-1232 [1]	ND	0.10	0.045	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:32	SFM
Aroclor-1242 [1]	ND	0.10	0.050	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:32	SFM
Aroclor-1248 [1]	ND	0.10	0.060	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:32	SFM
Aroclor-1254 [1]	ND	0.10	0.065	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:32	SFM
Aroclor-1260 [1]	ND	0.10	0.070	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:32	SFM
Aroclor-1262 [1]	ND	0.10	0.050	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:32	SFM
Aroclor-1268 [1]	ND	0.10	0.040	mg/Kg dry	4		SW-846 8082A	12/23/21	12/30/21 17:32	SFM

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.7	30-150		12/30/21 17:32
Decachlorobiphenyl [2]	87.1	30-150		12/30/21 17:32
Tetrachloro-m-xylene [1]	77.0	30-150		12/30/21 17:32
Tetrachloro-m-xylene [2]	87.7	30-150		12/30/21 17:32

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: X-1-121421 | Sampled: 12/14/2021 00:00

Sample ID: 21L1105-28

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	14000	20	7.5	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Antimony	ND	2.0	0.83	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Arsenic	3.3	4.1	1.5	mg/Kg dry	1	J	SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Barium	96	2.0	0.78	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Beryllium	0.72	0.20	0.078	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Cadmium	ND	0.41	0.21	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Calcium	32000	100	40	mg/Kg dry	5		SW-846 6010D	12/28/21	1/3/22 15:09	MJH
Chromium	16	0.82	0.47	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Cobalt	6.6	2.0	0.75	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Copper	12	0.82	0.39	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Iron	17000	20	8.2	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Lead	11	0.61	0.30	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Magnesium	4100	20	7.2	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Manganese	410	0.41	0.16	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Mercury	0.033	0.033	0.011	mg/Kg dry	1		SW-846 7471B	12/22/21	12/27/21 9:45	DRL
Nickel	13	0.82	0.42	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Potassium	1800	1000	390	mg/Kg dry	5		SW-846 6010D	12/28/21	1/3/22 15:09	MJH
Selenium	ND	4.1	1.5	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Silver	ND	0.41	0.19	mg/Kg dry	1		SW-846 6010D	12/28/21	12/30/21 16:14	MJH
Sodium	99	200	80	mg/Kg dry	1	J	SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Thallium	1.6	2.0	0.98	mg/Kg dry	1	J	SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Vanadium	25	0.82	0.41	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:25	QNW
Zinc	46	0.82	0.52	mg/Kg dry	1		SW-846 6010D	12/28/21	12/29/21 20:25	QNW

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: X-1-121421 | Sampled: 12/14/2021 00:00

Sample ID: 21L1105-28

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.7			% Wt	1		SM 2540G	12/17/21	12/19/21 10:50	MJH
Cyanide	ND	0.58	0.41	mg/Kg dry	1		SW-846 9014	12/22/21	12/22/21 23:20	DJM

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: X-1-121421 | Sampled: 12/14/2021 00:00

Sample ID: 21L1105-28

Sample Matrix: Soil

1,4-Dioxane by isotope dilution GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
1,4-Dioxane (SIM)	ND	3.6	1.6	µg/kg	1		SW-846 8270D-E		1/5/22 7:21	EFL

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: X-2-121421 | Sampled: 12/14/2021 00:00

Sample ID: 21L1105-29

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.24	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Acenaphthylene	ND	0.24	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Acetophenone	ND	0.48	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Aniline	ND	0.48	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Anthracene	ND	0.24	0.078	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Benzidine	ND	0.93	0.22	mg/Kg dry	1	V-05, V-35	SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Benzo(a)anthracene	ND	0.24	0.067	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Benzo(a)pyrene	ND	0.24	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Benzo(b)fluoranthene	ND	0.24	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Benzo(g,h,i)perylene	ND	0.24	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Benzo(k)fluoranthene	ND	0.24	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Benzoic Acid	ND	1.4	0.57	mg/Kg dry	1	V-06	SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Bis(2-chloroethoxy)methane	ND	0.48	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Bis(2-chloroethyl)ether	ND	0.48	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Bis(2-chloroisopropyl)ether	ND	0.48	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.48	0.081	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
4-Bromophenylphenylether	ND	0.48	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Butylbenzylphthalate	ND	0.48	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Carbazole	ND	0.24	0.079	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
4-Chloroaniline	ND	0.93	0.064	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
4-Chloro-3-methylphenol	ND	0.93	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
2-Chloronaphthalene	ND	0.48	0.056	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
2-Chlorophenol	ND	0.48	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
4-Chlorophenylphenylether	ND	0.48	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Chrysene	ND	0.24	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Dibenz(a,h)anthracene	ND	0.24	0.097	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Dibenzofuran	ND	0.48	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Di-n-butylphthalate	ND	0.48	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
1,2-Dichlorobenzene	ND	0.48	0.055	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
1,3-Dichlorobenzene	ND	0.48	0.053	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
1,4-Dichlorobenzene	ND	0.48	0.050	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
3,3-Dichlorobenzidine	ND	0.24	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
2,4-Dichlorophenol	ND	0.48	0.071	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Diethylphthalate	ND	0.48	0.073	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
2,4-Dimethylphenol	ND	0.48	0.13	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Dimethylphthalate	ND	0.48	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
4,6-Dinitro-2-methylphenol	ND	0.48	0.32	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
2,4-Dinitrophenol	ND	0.93	0.41	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
2,4-Dinitrotoluene	ND	0.48	0.094	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
2,6-Dinitrotoluene	ND	0.48	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Di-n-octylphthalate	ND	0.48	0.17	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
1,2-Diphenylhydrazine/Azobenzene	ND	0.48	0.069	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Fluoranthene	ND	0.24	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Fluorene	ND	0.24	0.081	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: X-2-121421 | Sampled: 12/14/2021 00:00

Sample ID: 21L1105-29

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.48	0.065	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Hexachlorobutadiene	ND	0.48	0.061	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Hexachlorocyclopentadiene	ND	0.48	0.20	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Hexachloroethane	ND	0.48	0.057	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Indeno(1,2,3-cd)pyrene	ND	0.24	0.11	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Isophorone	ND	0.48	0.080	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
1-Methylnaphthalene	ND	0.24	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
2-Methylnaphthalene	ND	0.24	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
2-Methylphenol	ND	0.48	0.089	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
3/4-Methylphenol	ND	0.48	0.077	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Naphthalene	ND	0.24	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
2-Nitroaniline	ND	0.48	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
3-Nitroaniline	ND	0.48	0.082	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
4-Nitroaniline	ND	0.48	0.10	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Nitrobenzene	ND	0.48	0.070	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
2-Nitrophenol	ND	0.48	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
4-Nitrophenol	ND	0.93	0.19	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
N-Nitrosodimethylamine	ND	0.48	0.072	mg/Kg dry	1	V-20	SW-846 8270E	12/23/21	12/29/21 18:59	BGL
N-Nitrosodiphenylamine/Diphenylamine	ND	0.48	0.072	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
N-Nitrosodi-n-propylamine	ND	0.48	0.066	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Pentachloronitrobenzene	ND	0.48	0.081	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Pentachlorophenol	ND	0.48	0.21	mg/Kg dry	1	V-05	SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Phenanthrene	ND	0.24	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Phenol	ND	0.48	0.068	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Pyrene	ND	0.24	0.076	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Pyridine	ND	0.48	0.049	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.48	0.062	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
1,2,4-Trichlorobenzene	ND	0.48	0.060	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
2,4,5-Trichlorophenol	ND	0.48	0.075	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL
2,4,6-Trichlorophenol	ND	0.48	0.074	mg/Kg dry	1		SW-846 8270E	12/23/21	12/29/21 18:59	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	48.1	30-130		12/29/21 18:59
Phenol-d6	50.6	30-130		12/29/21 18:59
Nitrobenzene-d5	45.7	30-130		12/29/21 18:59
2-Fluorobiphenyl	45.4	30-130		12/29/21 18:59
2,4,6-Tribromophenol	41.9	30-130		12/29/21 18:59
p-Terphenyl-d14	48.4	30-130		12/29/21 18:59

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Project Location: NY Sample Description: Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: X-2-121421 Sampled: 12/14/2021 00:00

Sample ID: 21L1105-29

Sample Matrix: Soil

Tentatively Identified Compounds - SV Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Q#	Method	Date Prepared	Date/Time Analyzed	Analyst
E-15-Heptadecenal	1.5	mg/Kg dry	294624	10.773	1	1000130-97-9	93	SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Hexadecenoic acid, Z-11-	0.95	mg/Kg dry	209990	6.289	1	002416-20-8	94	SW-846 8270E	12/23/21	12/29/21 18:59	BGL
n-Hexadecanoic acid	0.68	mg/Kg dry	149463	6.311	1	000057-10-3	96	SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Octacosane	0.67	mg/Kg dry	135619	12.244	1	000630-02-4	87	SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Octadecanal	0.84	mg/Kg dry	170358	10.332	1	000638-66-4	91	SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Pentafluoropropionic acid, ...	0.67	mg/Kg dry	142991	9.403	1	1000283-04-2	87	SW-846 8270E	12/23/21	12/29/21 18:59	BGL
Phosphine imide, P,P,P-trip...	1.0	mg/Kg dry	218936	8.608	1	002240-47-3	94	SW-846 8270E	12/23/21	12/29/21 18:59	BGL

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Project Location: NY | Sample Description: | Work Order: 21L1105

Date Received: 12/15/2021

Field Sample #: X-2-121421 | Sampled: 12/14/2021 00:00

Sample ID: 21L1105-29

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	70.2			% Wt	1		SM 2540G	12/18/21	12/20/21 15:36	WAT

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
21L1105-02 [SSB-02-0-2-121321]	B297165	12/17/21
21L1105-03 [SSB-02-2-12-121321]	B297165	12/17/21
21L1105-04 [SSB-03-0-2-121321]	B297165	12/17/21
21L1105-05 [SSB-03-2-12-121321]	B297165	12/17/21
21L1105-06 [SSB-04-0-2-121321]	B297165	12/17/21
21L1105-07 [SSB-04-2-12-121321]	B297165	12/17/21
21L1105-09 [SSB-12-0-2-121321]	B297165	12/17/21
21L1105-10 [SSB-12-2-12-121321]	B297165	12/17/21
21L1105-11 [SSB-07-0-2-121321]	B297165	12/17/21
21L1105-12 [SSB-07-2-12-121321]	B297165	12/17/21
21L1105-13 [SSB-05-0-2-121321]	B297165	12/17/21
21L1105-14 [SSB-05-2-12-121321]	B297165	12/17/21
21L1105-16 [SSB-01-2-12-121421]	B297165	12/17/21
21L1105-17 [SSB-06-0-2-121421]	B297165	12/17/21
21L1105-18 [SSB-06-2-12-121421]	B297165	12/17/21
21L1105-19 [SSB-08-0-2-121421]	B297165	12/17/21
21L1105-20 [SSB-08-2-12-121421]	B297165	12/17/21
21L1105-21 [SSB-09-0-2-121421]	B297165	12/17/21
21L1105-22 [SSB-09-2-12-121421]	B297165	12/17/21
21L1105-24 [SSB-10-0-2-121421]	B297165	12/17/21
21L1105-25 [SSB-10-2-12-121421]	B297165	12/17/21
21L1105-26 [SSB-11-0-2-121421]	B297165	12/17/21
21L1105-28 [X-1-121421]	B297165	12/17/21

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
21L1105-27 [SSB-11-2-12-121421]	B297244	12/18/21
21L1105-29 [X-2-121421]	B297244	12/18/21

Prep Method: SW-846 3050B-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21L1105-10 [SSB-12-2-12-121321]	B297780	1.52	50.0	12/27/21

Prep Method: SW-846 3050B-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21L1105-03 [SSB-02-2-12-121321]	B297889	1.52	50.0	12/28/21
21L1105-07 [SSB-04-2-12-121321]	B297889	1.60	50.0	12/28/21
21L1105-18 [SSB-06-2-12-121421]	B297889	1.59	50.0	12/28/21
21L1105-20 [SSB-08-2-12-121421]	B297889	1.56	50.0	12/28/21
21L1105-22 [SSB-09-2-12-121421]	B297889	1.56	50.0	12/28/21
21L1105-28 [X-1-121421]	B297889	1.53	50.0	12/28/21

Prep Method: SW-846 3050B-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
21L1105-10RE1 [SSB-12-2-12-121321]	B297931	1.54	50.0	12/28/21

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-12-2-12-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 8260D
Batch:	B297073	Preparation:	SW-846 5035
% Solids:	90.32	Laboratory ID:	B297073-MS1
Initial/Final:	8.92 g / 10 mL	Sample Lab ID:	21L1105-10
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Acetone	0.124	ND	0.245	198	*	70 - 130
Acrylonitrile	0.0124	ND	0.0152	123		70 - 130
tert-Amyl Methyl Ether (TAME)	0.0124	ND	0.0126	102		70 - 130
Benzene	0.0124	ND	0.0125	101		70 - 130
Bromobenzene	0.0124	ND	0.0113	90.9		70 - 130
Bromochloromethane	0.0124	ND	0.0123	99.2		70 - 130
Bromodichloromethane	0.0124	ND	0.0116	93.7		70 - 130
Bromoform	0.0124	ND	0.0112	89.9		70 - 130
Bromomethane	0.0124	ND	0.0105	84.3		70 - 130
2-Butanone (MEK)	0.124	ND	0.164	132	*	70 - 130
tert-Butyl Alcohol (TBA)	0.124	ND	0.110	89.0		70 - 130
n-Butylbenzene	0.0124	ND	0.0117	94.4		70 - 130
sec-Butylbenzene	0.0124	ND	0.0131	106		70 - 130
tert-Butylbenzene	0.0124	ND	0.0123	99.1		70 - 130
tert-Butyl Ethyl Ether (TBEE)	0.0124	ND	0.0129	104		70 - 130
Carbon Disulfide	0.0124	ND	0.0115	92.9		70 - 130
Carbon Tetrachloride	0.0124	ND	0.0111	89.5		70 - 130
Chlorobenzene	0.0124	ND	0.0124	100		70 - 130
Chlorodibromomethane	0.0124	ND	0.0110	88.9		70 - 130
Chloroethane	0.0124	ND	0.0122	97.9		70 - 130
Chloroform	0.0124	ND	0.0122	98.2		70 - 130
Chloromethane	0.0124	ND	0.0117	94.6		70 - 130
2-Chlorotoluene	0.0124	ND	0.0120	97.0		70 - 130
4-Chlorotoluene	0.0124	ND	0.0115	92.4		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0124	ND	0.0114	91.6		70 - 130
1,2-Dibromoethane (EDB)	0.0124	ND	0.0127	102		70 - 130
Dibromomethane	0.0124	ND	0.0121	97.7		70 - 130
1,2-Dichlorobenzene	0.0124	ND	0.0116	93.8		70 - 130
1,3-Dichlorobenzene	0.0124	ND	0.0125	101		70 - 130
1,4-Dichlorobenzene	0.0124	ND	0.0123	98.7		70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-12-2-12-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 8260D
Batch:	B297073	Preparation:	SW-846 5035
% Solids:	90.32	Laboratory ID:	B297073-MS1
Initial/Final:	8.92 g / 10 mL	Sample Lab ID:	21L1105-10
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
trans-1,4-Dichloro-2-butene	0.0124	ND	0.0130	105		70 - 130
Dichlorodifluoromethane (Freon 12)	0.0124	ND	0.0117	94.6		70 - 130
1,1-Dichloroethane	0.0124	ND	0.0134	108		70 - 130
1,2-Dichloroethane	0.0124	ND	0.0124	100		70 - 130
1,1-Dichloroethylene	0.0124	ND	0.0124	99.8		70 - 130
cis-1,2-Dichloroethylene	0.0124	ND	0.0127	102		70 - 130
trans-1,2-Dichloroethylene	0.0124	ND	0.0120	96.5		70 - 130
1,2-Dichloropropane	0.0124	ND	0.0137	111		70 - 130
1,3-Dichloropropane	0.0124	ND	0.0124	99.9		70 - 130
2,2-Dichloropropane	0.0124	ND	0.0115	93.0		70 - 130
1,1-Dichloropropene	0.0124	ND	0.0109	87.8		70 - 130
cis-1,3-Dichloropropene	0.0124	ND	0.0115	92.7		70 - 130
trans-1,3-Dichloropropene	0.0124	ND	0.0122	98.0		70 - 130
Diethyl Ether	0.0124	ND	0.0141	114		70 - 130
Diisopropyl Ether (DIPE)	0.0124	ND	0.0156	126		70 - 130
1,4-Dioxane	0.124	ND	0.112	89.8		70 - 130
Ethylbenzene	0.0124	ND	0.0118	94.8		70 - 130
Hexachlorobutadiene	0.0124	ND	0.0109	88.0		70 - 130
2-Hexanone (MBK)	0.124	ND	0.149	120		70 - 130
Isopropylbenzene (Cumene)	0.0124	ND	0.0115	92.5		70 - 130
p-Isopropyltoluene (p-Cymene)	0.0124	ND	0.0124	99.5		70 - 130
Methyl Acetate	0.0124	ND	0.0398	320	*	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0124	ND	0.0124	100		70 - 130
Methyl Cyclohexane	0.0124	ND	0.0123	98.7		70 - 130
Methylene Chloride	0.0124	ND	0.0140	113		70 - 130
4-Methyl-2-pentanone (MIBK)	0.124	ND	0.133	107		70 - 130
Naphthalene	0.0124	ND	0.00850	68.5	*	70 - 130
n-Propylbenzene	0.0124	ND	0.0121	97.4		70 - 130
Styrene	0.0124	ND	0.0118	94.8		70 - 130
1,1,1,2-Tetrachloroethane	0.0124	ND	0.0119	95.8		70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-12-2-12-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 8260D
Batch:	B297073	Preparation:	SW-846 5035
% Solids:	90.32	Laboratory ID:	B297073-MSD1
Initial/Final:	8.98 g / 10 mL	Sample Lab ID:	21L1105-10
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Acetone	0.123	0.177	143	*	32.4	*	30	70 - 130
Acrylonitrile	0.0123	0.0131	106		15.0		30	70 - 130
tert-Amyl Methyl Ether (TAME)	0.0123	0.0119	96.9		5.31		30	70 - 130
Benzene	0.0123	0.0119	96.3		5.24		30	70 - 130
Bromobenzene	0.0123	0.0109	88.1		3.80		30	70 - 130
Bromochloromethane	0.0123	0.0117	95.1		4.89		30	70 - 130
Bromodichloromethane	0.0123	0.0111	89.7		5.03		30	70 - 130
Bromoform	0.0123	0.0107	86.7		4.29		30	70 - 130
Bromomethane	0.0123	0.0109	88.6		4.30		30	70 - 130
2-Butanone (MEK)	0.123	0.142	115		14.1		30	70 - 130
tert-Butyl Alcohol (TBA)	0.123	0.105	85.6		4.56		30	70 - 130
n-Butylbenzene	0.0123	0.0100	81.4		15.5		30	70 - 130
sec-Butylbenzene	0.0123	0.0115	93.6		12.7		30	70 - 130
tert-Butylbenzene	0.0123	0.0108	87.5		13.1		30	70 - 130
tert-Butyl Ethyl Ether (TBEE)	0.0123	0.0125	101		3.79		30	70 - 130
Carbon Disulfide	0.0123	0.0114	92.4		1.21		30	70 - 130
Carbon Tetrachloride	0.0123	0.0107	86.8		3.73		30	70 - 130
Chlorobenzene	0.0123	0.0113	91.5		9.55		30	70 - 130
Chlorodibromomethane	0.0123	0.00960	77.9		13.9		30	70 - 130
Chloroethane	0.0123	0.0124	100		1.95		30	70 - 130
Chloroform	0.0123	0.0113	91.8		7.41		30	70 - 130
Chloromethane	0.0123	0.0116	94.0		1.31		30	70 - 130
2-Chlorotoluene	0.0123	0.0108	87.4		11.1		30	70 - 130
4-Chlorotoluene	0.0123	0.0105	85.5		8.43		30	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0123	0.00937	76.0		19.3		30	70 - 130
1,2-Dibromoethane (EDB)	0.0123	0.0115	92.9		10.2		30	70 - 130
Dibromomethane	0.0123	0.0118	96.1		2.32		30	70 - 130
1,2-Dichlorobenzene	0.0123	0.0106	85.9		9.46		30	70 - 130
1,3-Dichlorobenzene	0.0123	0.0110	89.3		13.1		30	70 - 130
1,4-Dichlorobenzene	0.0123	0.0104	84.0		16.8		30	70 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-12-2-12-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 8260D
Batch:	B297073	Preparation:	SW-846 5035
% Solids:	90.32	Laboratory ID:	B297073-MSD1
Initial/Final:	8.98 g / 10 mL	Sample Lab ID:	21L1105-10
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
trans-1,4-Dichloro-2-butene	0.0123	0.0108	87.6		18.4		30	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0123	0.0108	87.3		8.70		30	70 - 130
1,1-Dichloroethane	0.0123	0.0127	103		5.22		30	70 - 130
1,2-Dichloroethane	0.0123	0.0120	97.3		3.41		30	70 - 130
1,1-Dichloroethylene	0.0123	0.0125	102		1.02		30	70 - 130
cis-1,2-Dichloroethylene	0.0123	0.0126	102		0.572		30	70 - 130
trans-1,2-Dichloroethylene	0.0123	0.0113	91.4		6.10		30	70 - 130
1,2-Dichloropropane	0.0123	0.0123	100		10.6		30	70 - 130
1,3-Dichloropropane	0.0123	0.0114	92.5		8.36		30	70 - 130
2,2-Dichloropropane	0.0123	0.0110	88.9		5.18		30	70 - 130
1,1-Dichloropropene	0.0123	0.0103	83.9		5.21		30	70 - 130
cis-1,3-Dichloropropene	0.0123	0.0110	89.2		4.52		30	70 - 130
trans-1,3-Dichloropropene	0.0123	0.0113	91.8		7.20		30	70 - 130
Diethyl Ether	0.0123	0.0139	112		1.91		30	70 - 130
Diisopropyl Ether (DIPE)	0.0123	0.0156	126		0.0436		30	70 - 130
1,4-Dioxane	0.123	0.100	81.2		10.8		30	70 - 130
Ethylbenzene	0.0123	0.0109	88.3		7.77		30	70 - 130
Hexachlorobutadiene	0.0123	0.00874	70.9		22.2		30	70 - 130
2-Hexanone (MBK)	0.123	0.126	102		16.7		30	70 - 130
Isopropylbenzene (Cumene)	0.0123	0.0102	82.5		12.1		30	70 - 130
p-Isopropyltoluene (p-Cymene)	0.0123	0.0108	87.8		13.2		30	70 - 130
Methyl Acetate	0.0123	0.0253	205	*	44.4	*	30	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0123	0.0121	97.8		3.19		30	70 - 130
Methyl Cyclohexane	0.0123	0.0109	88.6		11.5		30	70 - 130
Methylene Chloride	0.0123	0.0139	113		0.848		30	70 - 130
4-Methyl-2-pentanone (MIBK)	0.123	0.122	98.7		8.58		30	70 - 130
Naphthalene	0.0123	0.00720	58.4	*	16.6		30	70 - 130
n-Propylbenzene	0.0123	0.0107	86.8		12.2		30	70 - 130
Styrene	0.0123	0.0112	91.1		4.65		30	70 - 130
1,1,1,2-Tetrachloroethane	0.0123	0.0106	86.3		11.1		30	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B297057	Laboratory ID:	B297057-BS1
Column:		Initial/Final:	15 g / 17 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acetone	0.113	0.0870	76.8		70 - 160
Acrylonitrile	0.0113	0.0107	94.8		70 - 130
tert-Amyl Methyl Ether (TAME)	0.0113	0.0121	107		70 - 130
Benzene	0.0113	0.0123	108		70 - 130
Bromobenzene	0.0113	0.0107	94.2		70 - 130
Bromochloromethane	0.0113	0.0129	114		70 - 130
Bromodichloromethane	0.0113	0.0115	101		70 - 130
Bromoform	0.0113	0.00971	85.7		70 - 130
Bromomethane	0.0113	0.00876	77.3		40 - 130
2-Butanone (MEK)	0.113	0.113	99.6		70 - 160
tert-Butyl Alcohol (TBA)	0.113	0.100	88.4		40 - 130
n-Butylbenzene	0.0113	0.0114	100		70 - 130
sec-Butylbenzene	0.0113	0.0115	102		70 - 130
tert-Butylbenzene	0.0113	0.0115	101		70 - 160
tert-Butyl Ethyl Ether (TBEE)	0.0113	0.0128	113		70 - 130
Carbon Disulfide	0.113	0.0965	85.2		70 - 130
Carbon Tetrachloride	0.0113	0.0114	100		70 - 130
Chlorobenzene	0.0113	0.0105	92.4		70 - 130
Chlorodibromomethane	0.0113	0.0101	89.2		70 - 130
Chloroethane	0.0113	0.0105	93.0		70 - 130
Chloroform	0.0113	0.0121	107		70 - 130
Chloromethane	0.0113	0.0113	99.6		70 - 130
2-Chlorotoluene	0.0113	0.0101	89.1		70 - 130
4-Chlorotoluene	0.0113	0.0105	92.5		70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0113	0.0108	94.9		70 - 130
1,2-Dibromoethane (EDB)	0.0113	0.0108	95.4		70 - 130
Dibromomethane	0.0113	0.0111	98.3		70 - 130
1,2-Dichlorobenzene	0.0113	0.0114	100		70 - 130
1,3-Dichlorobenzene	0.0113	0.0112	98.4		70 - 130
1,4-Dichlorobenzene	0.0113	0.0110	97.0		70 - 130
trans-1,4-Dichloro-2-butene	0.0113	0.00777	68.6	*	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0113	0.0102	89.9		40 - 160
1,1-Dichloroethane	0.0113	0.0130	115		70 - 130
1,2-Dichloroethane	0.0113	0.0107	94.8		70 - 130
1,1-Dichloroethylene	0.0113	0.00955	84.3		70 - 130
cis-1,2-Dichloroethylene	0.0113	0.0130	115		70 - 130
trans-1,2-Dichloroethylene	0.0113	0.0109	96.2		70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B297057	Laboratory ID:	B297057-BS1
Column:		Initial/Final:	15 g / 17 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.	QC LIMITS REC.
1,2,4-Trimethylbenzene	0.0113	0.0117	103	70 - 130
1,3,5-Trimethylbenzene	0.0113	0.0102	89.9	70 - 130
Vinyl Chloride	0.0113	0.00533	47.0	40 - 130
m+p Xylene	0.0227	0.0209	92.1	70 - 130
o-Xylene	0.0113	0.0106	93.9	70 - 130

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Acetone	0.113	0.0848	74.8	2.67		25	70 - 160
Acrylonitrile	0.0113	0.00996	87.9	7.55		25	70 - 130
tert-Amyl Methyl Ether (TAME)	0.0113	0.0119	105	1.23		25	70 - 130
Benzene	0.0113	0.0118	104	3.48		25	70 - 130
Bromobenzene	0.0113	0.0103	91.3	3.13		25	70 - 130
Bromochloromethane	0.0113	0.0126	111	2.84		25	70 - 130
Bromodichloromethane	0.0113	0.0106	93.4	7.92		25	70 - 130
Bromoform	0.0113	0.00943	83.2	2.96		25	70 - 130
Bromomethane	0.0113	0.00963	85.0	9.49		25	40 - 130
2-Butanone (MEK)	0.113	0.110	96.9	2.74		25	70 - 160
tert-Butyl Alcohol (TBA)	0.113	0.0937	82.7	6.74		25	40 - 130
n-Butylbenzene	0.0113	0.0110	96.8	3.65		25	70 - 130
sec-Butylbenzene	0.0113	0.0111	97.9	3.91		25	70 - 130
tert-Butylbenzene	0.0113	0.0110	96.7	4.65		25	70 - 160
tert-Butyl Ethyl Ether (TBEE)	0.0113	0.0124	109	3.42		25	70 - 130
Carbon Disulfide	0.113	0.0942	83.1	2.46		25	70 - 130
Carbon Tetrachloride	0.0113	0.0110	97.0	3.54		25	70 - 130
Chlorobenzene	0.0113	0.0103	90.8	1.75		25	70 - 130
Chlorodibromomethane	0.0113	0.0100	88.2	1.13		25	70 - 130
Chloroethane	0.0113	0.0117	103	10.6		25	70 - 130
Chloroform	0.0113	0.0119	105	1.61		25	70 - 130
Chloromethane	0.0113	0.0146	129	25.6	*	25	70 - 130
2-Chlorotoluene	0.0113	0.00978	86.3	3.19		25	70 - 130
4-Chlorotoluene	0.0113	0.0101	88.8	4.08		25	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	0.0113	0.0106	93.3	1.70		25	70 - 130
1,2-Dibromoethane (EDB)	0.0113	0.0105	92.6	2.98		25	70 - 130
Dibromomethane	0.0113	0.0107	94.7	3.73		25	70 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Preparation:	SW-846 5035
Batch:	B297057	Laboratory ID:	B297057-BSD1
Column:		Initial/Final:	15 g / 17 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCSD CONCENTRATION (mg/Kg wet)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichlorobenzene	0.0113	0.0108	95.1		5.32	25	70 - 130
1,3-Dichlorobenzene	0.0113	0.0105	92.3		6.40	25	70 - 130
1,4-Dichlorobenzene	0.0113	0.0106	93.4		3.78	25	70 - 130
trans-1,4-Dichloro-2-butene	0.0113	0.00715	63.1	*	8.35	25	70 - 130
Dichlorodifluoromethane (Freon 12)	0.0113	0.00993	87.6		2.59	25	40 - 160
1,1-Dichloroethane	0.0113	0.0125	110		3.91	25	70 - 130
1,2-Dichloroethane	0.0113	0.0104	91.8		3.22	25	70 - 130
1,1-Dichloroethylene	0.0113	0.00927	81.8		3.01	25	70 - 130
cis-1,2-Dichloroethylene	0.0113	0.0125	110		3.74	25	70 - 130
trans-1,2-Dichloroethylene	0.0113	0.0105	92.6		3.81	25	70 - 130
1,2-Dichloropropane	0.0113	0.0115	101		1.57	25	70 - 130
1,3-Dichloropropane	0.0113	0.0112	99.2		0.903	25	70 - 130
2,2-Dichloropropane	0.0113	0.0103	91.3		2.38	25	70 - 130
1,1-Dichloropropene	0.0113	0.0119	105		0.665	25	70 - 130
cis-1,3-Dichloropropene	0.0113	0.0107	94.2		2.52	25	70 - 130
trans-1,3-Dichloropropene	0.0113	0.0106	93.4		4.19	25	70 - 130
Diethyl Ether	0.0113	0.0105	92.4		2.46	25	70 - 130
Diisopropyl Ether (DIPE)	0.0113	0.0128	113		4.26	25	70 - 130
1,4-Dioxane	0.113	0.101	89.0		8.58	50	40 - 160
Ethylbenzene	0.0113	0.0103	90.8		3.14	25	70 - 130
Hexachlorobutadiene	0.0113	0.0104	92.0		5.19	25	70 - 160
2-Hexanone (MBK)	0.113	0.107	94.8		2.34	25	70 - 160
Isopropylbenzene (Cumene)	0.0113	0.00974	85.9		3.88	25	70 - 130
p-Isopropyltoluene (p-Cymene)	0.0113	0.0107	94.7		4.34	25	70 - 130
Methyl Acetate	0.0113	0.00986	87.0		7.42	25	70 - 130
Methyl tert-Butyl Ether (MTBE)	0.0113	0.0120	106		4.25	25	70 - 130
Methyl Cyclohexane	0.0113	0.0102	90.4		6.73	25	70 - 130
Methylene Chloride	0.0113	0.0106	93.1		1.41	25	40 - 160
4-Methyl-2-pentanone (MIBK)	0.113	0.111	97.8		3.49	25	70 - 160
Naphthalene	0.0113	0.0112	99.0		0.101	25	40 - 130
n-Propylbenzene	0.0113	0.0100	88.4		0.789	25	70 - 130
Styrene	0.0113	0.00995	87.8		3.80	25	70 - 130
1,1,1,2-Tetrachloroethane	0.0113	0.00963	85.0		4.15	25	70 - 130
1,1,2,2-Tetrachloroethane	0.0113	0.00994	87.7		2.48	25	70 - 130
Tetrachloroethylene	0.0113	0.00978	86.3		5.19	25	70 - 130
Tetrahydrofuran	0.0113	0.0118	104		8.18	25	70 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Calibration:	2100436	Instrument:	GCMSVOA4
		Calibration Date:	10/20/2021 8:30:50AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	8.129092E-02	7.5			20	
Acrylonitrile	0.1270659	11.7			20	
tert-Amyl Methyl Ether (TAME)	0.8123302	3.5			20	
Benzene	1.428501	7.7			20	
Bromobenzene	0.8393824	11.6			20	
Bromochloromethane	0.1490811	8.3			20	
Bromodichloromethane	0.285839	12.4			20	
Bromoform	0.2767697	9.6			20	
Bromomethane	0.2287568	12.1			20	
2-Butanone (MEK)	0.1493019	6.2			20	
tert-Butyl Alcohol (TBA)	4.610516E-02	9.4			20	
n-Butylbenzene	2.078515	11.0			20	
sec-Butylbenzene	0.4297714	6.7			20	
tert-Butylbenzene	1.57183	7.8			20	
tert-Butyl Ethyl Ether (TBEE)	1.165984	10.4			20	
Carbon Disulfide	0.8582592	8.4			20	
Carbon Tetrachloride	0.5574134	10.1			20	
Chlorobenzene	1.077909	8.2			20	
Chlorodibromomethane	0.1881067	9.1			20	
Chloroethane	0.2168835	12.1			20	
Chloroform	0.7124083	10.8			20	
Chloromethane	0.4799815	11.0			20	
2-Chlorotoluene	1.483764	10.9			20	
4-Chlorotoluene	1.745769	12.0			20	
Cyclohexane	1.603039	87.3	1.000		0.99	
1,2-Dibromo-3-chloropropane (DBCP)	0.1110976	9.5			20	
1,2-Dibromoethane (EDB)	0.1487521	6.3			20	
Dibromomethane	0.1107365	3.7			20	
1,2-Dichlorobenzene	0.912138	10.2			20	
1,3-Dichlorobenzene	0.9658292	10.7			20	
1,4-Dichlorobenzene	1.009649	9.2			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Calibration:	2100436	Instrument:	GCMSVOA4
		Calibration Date:	10/20/2021 8:30:50AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.3935227	7.7			20	
1,1,2,2-Tetrachloroethane	0.4832584	8.3			20	
Tetrachloroethylene	0.1988957	9.2			20	
Tetrahydrofuran	4.121495E-02	6.9			20	
Toluene	0.8301866	13.4			20	
1,2,3-Trichlorobenzene	0.5849801	9.1			20	
1,2,4-Trichlorobenzene	0.7131006	9.7			20	
1,3,5-Trichlorobenzene	0.7517141	9.7			20	
1,1,1-Trichloroethane	0.6424633	8.8			20	
1,1,2-Trichloroethane	0.1345994	10.7			20	
Trichloroethylene	0.2828325	11.7			20	
Trichlorofluoromethane (Freon 11)	0.5923919	13.1			20	
1,2,3-Trichloropropane	0.1221242	7.3			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.2623601	13.9			20	
1,2,3-Trimethylbenzene	1.943547	6.7			20	
1,2,4-Trimethylbenzene	1.960837	12.1			20	
1,3,5-Trimethylbenzene	1.707706	7.8			20	
Vinyl Acetate	0.8278985	7.8			20	
Vinyl Chloride	0.3926648	7.3			20	
m+p Xylene	1.67536	10.3			20	
o-Xylene	1.68807	10.2			20	
1,2-Dichloroethane-d4	0.5718784	1.2			20	
Toluene-d8	0.9108494	1.2			20	
4-Bromofluorobenzene	0.8879749	1.5			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Calibration:	2100495	Instrument:	GCMSVOA5
		Calibration Date:	11/2/2021 10:46:32AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Acetone	9.971721E-02	11.2			20	
Acrolein	5.904374E-02	7.6			20	
Acrylonitrile	0.1206755	9.8			20	
tert-Amyl Methyl Ether (TAME)	0.5875525	4.1			20	
Benzene	1.030994	5.6			20	
Bromobenzene	0.6578564	5.4			20	
Bromochloromethane	0.1760127	8.7			20	
Bromodichloromethane	0.240508	8.0			20	
Bromoform	0.2640673	13.7			20	
Bromomethane	0.2069564	19.3			20	
2-Butanone (MEK)	0.1063407	7.1			20	
tert-Butyl Alcohol (TBA)	3.144159E-02	4.2			20	
n-Butylbenzene	1.254044	13.6			20	
sec-Butylbenzene	1.741751	10.8			20	
tert-Butylbenzene	1.245599	7.6			20	
tert-Butyl Ethyl Ether (TBEE)	0.6138734	4.1			20	
Carbon Disulfide	0.9333128	9.2			20	
Carbon Tetrachloride	0.3734387	7.3			20	
Chlorobenzene	1.177246	5.3			20	
Chlorodibromomethane	0.1919733	14.1			20	
Chloroethane	0.202755	7.2			20	
2-Chloroethyl Vinyl Ether	7.342345E-02	19.7			20	
Chloroform	0.4696446	3.3			20	
Chloromethane	0.2837817	17.1			20	
2-Chlorotoluene	1.248309	5.0			20	
4-Chlorotoluene	1.261032	9.4			20	
Cyclohexane	0.3892371	4.2			20	
1,2-Dibromo-3-chloropropane (DBCP)	6.483508E-02	11.2			20	
1,2-Dibromoethane (EDB)	0.1705556	8.6			20	
Dibromomethane	0.1202042	5.9			20	
1,2-Dichlorobenzene	0.7607758	6.7			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Calibration:	2100495	Instrument:	GCMSVOA5
		Calibration Date:	11/2/2021 10:46:32AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
1,3-Dichlorobenzene	0.8652448	6.4			20	
1,4-Dichlorobenzene	0.8729494	4.5			20	
trans-1,4-Dichloro-2-butene	0.1022698	10.4			20	
Dichlorodifluoromethane (Freon 12)	0.4316492	4.7			20	
1,1-Dichloroethane	0.4279142	2.7			20	
1,2-Dichloroethane	0.2511954	10.8			20	
1,1-Dichloroethylene	0.5394836	9.2			20	
cis-1,2-Dichloroethylene	0.3397741	4.1			20	
trans-1,2-Dichloroethylene	0.4007514	14.9			20	
Dichlorofluoromethane (Freon 21)	0.6263142	3.9			20	
1,2-Dichloropropane	0.174309	6.5			20	
1,3-Dichloropropane	0.2603321	6.1			20	
2,2-Dichloropropane	0.340166	4.5			20	
1,1-Dichloropropene	0.3492152	4.2			20	
cis-1,3-Dichloropropene	0.2730169	9.5			20	
trans-1,3-Dichloropropene	0.2164539	14.4			20	
Diethyl Ether	0.2074504	3.5			20	
Difluorochloromethane (Freon 22)	0.3500671	12.6			20	
Diisopropyl Ether (DIPE)	0.6295705	4.6			20	
1,4-Dioxane	2.079222E-03	15.1			20	
Ethanol	5.702641E-03	26.2	0.999		0.99	
Ethyl Acetate	0.1837437	19.5			20	
Ethylbenzene	1.891333	7.1			20	
Hexachlorobutadiene	0.2126581	14.8			20	
2-Hexanone (MBK)	0.1042072	10.7			20	
Iodomethane	0.4600924	25.0	1.000		0.99	
Isopropylbenzene (Cumene)	1.934676	6.9			20	
p-Isopropyltoluene (p-Cymene)	1.440419	10.2			20	
Methyl Acetate	0.4643096	55.8	1.000		0.99	
Methyl tert-Butyl Ether (MTBE)	0.5956711	5.5			20	
Methyl Cyclohexane	0.2972607	4.4			20	

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Calibration:	2100495	Instrument:	GCMSVOA5
		Calibration Date:	11/2/2021 10:46:32AM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
Methylene Chloride	0.4175738	9.4			20	
4-Methyl-2-pentanone (MIBK)	0.1516821	10.7			20	
Naphthalene	0.81896	14.0			20	
n-Propylbenzene	2.176342	10.2			20	
Styrene	1.109244	11.1			20	
1,1,1,2-Tetrachloroethane	0.4074272	8.9			20	
1,1,2,2-Tetrachloroethane	0.4673397	8.6			20	
Tetrachloroethylene	0.2350574	10.4			20	
Tetrahydrofuran	6.099569E-02	14.4			20	
Toluene	0.8018204	4.2			20	
1,2,3-Trichlorobenzene	0.304324	13.0			20	
1,2,4-Trichlorobenzene	0.3856043	14.2			20	
1,3,5-Trichlorobenzene	0.4713041	12.3			20	
1,1,1-Trichloroethane	0.3984225	4.2			20	
1,1,2-Trichloroethane	0.1570952	7.4			20	
Trichloroethylene	0.198617	5.5			20	
Trichlorofluoromethane (Freon 11)	0.6053005	4.2			20	
1,2,3-Trichloropropane	0.3519139	4.7			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1	0.3401857	9.9			20	
1,2,3-Trimethylbenzene	1.302534	8.2			20	
1,2,4-Trimethylbenzene	1.362441	9.3			20	
1,3,5-Trimethylbenzene	1.42661	11.0			20	
Vinyl Acetate	0.4871599	12.3			20	
Vinyl Chloride	0.3833392	18.9			20	
m+p Xylene	1.526964	9.7			20	
o-Xylene	1.478854	8.8			20	
1,2-Dichloroethane-d4	0.4662628	2.1			20	
Toluene-d8	1.134016	0.6			20	
4-Bromofluorobenzene	0.893423	3.8			20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSVOA5	Calibration:	2100495
Lab File ID:	E21V135130.D	Calibration Date:	11/02/21 10:46
Sequence:	S066572	Injection Date:	12/18/21
Lab Sample ID:	S066572-CCV1	Injection Time:	01:31

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	100	85.0	9.971721E-02	8.473808E-02		-15.0	20	
Acrylonitrile	A	10.0	9.51	0.1206755	0.1148015		-4.9	20	
tert-Amyl Methyl Ether (TAME)	A	10.0	10.9	0.5875525	0.6387264		8.7	20	
Benzene	A	10.0	11.2	1.030994	1.149046		11.5	20	
Bromobenzene	A	10.0	9.63	0.6578564	0.6332813		-3.7	20	
Bromochloromethane	A	10.0	12.7	0.1760127	0.2242006		27.4	20	*
Bromodichloromethane	A	10.0	9.81	0.240508	0.2359844		-1.9	20	
Bromoform	A	10.0	8.45	0.2640673	0.2231714		-15.5	20	
Bromomethane	A	10.0	7.22	0.2069564	0.149467		-27.8	20	*
2-Butanone (MEK)	A	100	102	0.1063407	0.1081347		1.7	20	
tert-Butyl Alcohol (TBA)	A	100	85.5	3.144159E-02	0.0268692		-14.5	20	
n-Butylbenzene	A	10.0	10.1	1.254044	1.263791		0.8	20	
sec-Butylbenzene	A	10.0	10.2	1.741751	1.781183		2.3	20	
tert-Butylbenzene	A	10.0	10.3	1.245599	1.287387		3.4	20	
tert-Butyl Ethyl Ether (TBEE)	A	10.0	11.4	0.6138734	0.7008598		14.2	20	
Carbon Disulfide	A	100	87.8	0.9333128	0.8191442		-12.2	20	
Carbon Tetrachloride	A	10.0	10.4	0.3734387	0.3885525		4.0	20	
Chlorobenzene	A	10.0	9.53	1.177246	1.121969		-4.7	20	
Chlorodibromomethane	A	10.0	9.23	0.1919733	0.1771399		-7.7	20	
Chloroethane	A	10.0	9.87	0.202755	0.2001512		-1.3	20	
Chloroform	A	10.0	11.1	0.4696446	0.5212708		11.0	20	
Chloromethane	A	10.0	7.45	0.2837817	0.2114887		-25.5	20	*
2-Chlorotoluene	A	10.0	9.15	1.248309	1.141776		-8.5	20	
4-Chlorotoluene	A	10.0	9.46	1.261032	1.193432		-5.4	20	
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	9.22	6.483508E-02	5.977398E-02		-7.8	20	
1,2-Dibromoethane (EDB)	A	10.0	9.77	0.1705556	0.1666489		-2.3	20	
Dibromomethane	A	10.0	9.77	0.1202042	0.1174545		-2.3	20	
1,2-Dichlorobenzene	A	10.0	9.90	0.7607758	0.7535197		-1.0	20	
1,3-Dichlorobenzene	A	10.0	9.73	0.8652448	0.8421867		-2.7	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSVOA5	Calibration:	2100495
Lab File ID:	E21V135130.D	Calibration Date:	11/02/21 10:46
Sequence:	S066572	Injection Date:	12/18/21
Lab Sample ID:	S066572-CCV1	Injection Time:	01:31

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	10.0	9.65	0.8729494	0.8426497		-3.5	20	
trans-1,4-Dichloro-2-butene	A	10.0	6.82	0.1022698	6.978486E-02		-31.8	20	*
Dichlorodifluoromethane (Freon 12)	A	10.0	9.43	0.4316492	0.4070791		-5.7	20	
1,1-Dichloroethane	A	10.0	11.8	0.4279142	0.5044878		17.9	20	
1,2-Dichloroethane	A	10.0	9.73	0.2511954	0.2445133		-2.7	20	
1,1-Dichloroethylene	A	10.0	8.75	0.5394836	0.4719438		-12.5	20	
cis-1,2-Dichloroethylene	A	10.0	11.8	0.3397741	0.3999931		17.7	20	
trans-1,2-Dichloroethylene	A	10.0	9.83	0.4007514	0.3939722		-1.7	20	
1,2-Dichloropropane	A	10.0	10.6	0.174309	0.1853656		6.3	20	
1,3-Dichloropropane	A	10.0	10.2	0.2603321	0.265604		2.0	20	
2,2-Dichloropropane	A	10.0	9.50	0.340166	0.3232412		-5.0	20	
1,1-Dichloropropene	A	10.0	11.2	0.3492152	0.3909145		11.9	20	
cis-1,3-Dichloropropene	A	10.0	9.85	0.2730169	0.2690476		-1.5	20	
trans-1,3-Dichloropropene	A	10.0	9.83	0.2164539	0.2128573		-1.7	20	
Diethyl Ether	A	10.0	9.65	0.2074504	0.2002628		-3.5	20	
Diisopropyl Ether (DIPE)	A	10.0	11.9	0.6295705	0.7519905		19.4	20	
1,4-Dioxane	A	100	90.3	2.079222E-03	1.876823E-03		-9.7	20	
Ethylbenzene	A	10.0	9.72	1.891333	1.838006		-2.8	20	
Hexachlorobutadiene	A	10.0	8.73	0.2126581	0.185558		-12.7	20	
2-Hexanone (MBK)	A	100	97.0	0.1042072	0.1011328		-3.0	20	
Isopropylbenzene (Cumene)	A	10.0	9.18	1.934676	1.77548		-8.2	20	
p-Isopropyltoluene (p-Cymene)	A	10.0	9.92	1.440419	1.428898		-0.8	20	
Methyl Acetate	A	10.0	8.73	0.4643096	0.2597336		-12.7	20	
Methyl tert-Butyl Ether (MTBE)	A	10.0	11.0	0.5956711	0.6573991		10.4	20	
Methyl Cyclohexane	A	10.0	9.86	0.2972607	0.2929698		-1.4	20	
Methylene Chloride	A	10.0	9.68	0.4175738	0.4042705		-3.2	20	
4-Methyl-2-pentanone (MIBK)	A	100	100	0.1516821	0.1517149		0.02	20	
Naphthalene	A	10.0	8.31	0.81896	0.6801979		-16.9	20	
n-Propylbenzene	A	10.0	9.30	2.176342	2.023676		-7.0	20	

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSVOA5	Calibration:	2100495
Lab File ID:	E21V135130.D	Calibration Date:	11/02/21 10:46
Sequence:	S066572	Injection Date:	12/18/21
Lab Sample ID:	S066572-CCV1	Injection Time:	01:31

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Styrene	A	10.0	9.14	1.109244	1.013873		-8.6	20	
1,1,1,2-Tetrachloroethane	A	10.0	9.16	0.4074272	0.3731883		-8.4	20	
1,1,2,2-Tetrachloroethane	A	10.0	9.09	0.4673397	0.4249171		-9.1	20	
Tetrachloroethylene	A	10.0	9.26	0.2350574	0.2176337		-7.4	20	
Tetrahydrofuran	A	10.0	11.4	6.099569E-02	6.969174E-02		14.3	20	
Toluene	A	10.0	10.1	0.8018204	0.8070626		0.7	20	
1,2,3-Trichlorobenzene	A	10.0	8.38	0.304324	0.2549585		-16.2	20	
1,2,4-Trichlorobenzene	A	10.0	8.85	0.3856043	0.3412427		-11.5	20	
1,3,5-Trichlorobenzene	A	10.0	9.42	0.4713041	0.4440158		-5.8	20	
1,1,1-Trichloroethane	A	10.0	10.8	0.3984225	0.4304843		8.0	20	
1,1,2-Trichloroethane	A	10.0	9.93	0.1570952	0.1560034		-0.7	20	
Trichloroethylene	A	10.0	10.5	0.198617	0.2084698		5.0	20	
Trichlorofluoromethane (Freon 11)	A	10.0	8.38	0.6053005	0.5074338		-16.2	20	
1,2,3-Trichloropropane	A	10.0	9.14	0.3519139	0.3216529		-8.6	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	9.15	0.3401857	0.311414		-8.5	20	
1,2,4-Trimethylbenzene	A	10.0	10.4	1.362441	1.413552		3.8	20	
1,3,5-Trimethylbenzene	A	10.0	9.20	1.42661	1.311781		-8.0	20	
Vinyl Chloride	A	10.0	4.55	0.3833392	0.17453		-54.5	20	*
m+p Xylene	A	20.0	19.0	1.526964	1.448839		-5.1	20	
o-Xylene	A	10.0	9.61	1.478854	1.421809		-3.9	20	
1,2-Dichloroethane-d4	A	25.0	29.4	0.4662628	0.5475465		17.4		
Toluene-d8	A	25.0	25.8	1.134016	1.169493		3.1		
4-Bromofluorobenzene	A	25.0	24.1	0.893423	0.8625737		-3.5		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSVOA4	Calibration:	2100436
Lab File ID:	D21V35003.D	Calibration Date:	10/20/21 08:30
Sequence:	S066576	Injection Date:	12/16/21
Lab Sample ID:	S066576-CCV1	Injection Time:	04:50

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	100	119	8.129092E-02	9.710847E-02		19.5	20
Acrylonitrile	A	10.0	10.4	0.1270659	0.1325348		4.3	20
tert-Amyl Methyl Ether (TAME)	A	10.0	8.57	0.8123302	0.6957639		-14.3	20
Benzene	A	10.0	9.69	1.428501	1.384741		-3.1	20
Bromobenzene	A	10.0	9.13	0.8393824	0.7660088		-8.7	20
Bromochloromethane	A	10.0	8.71	0.1490811	0.1298885		-12.9	20
Bromodichloromethane	A	10.0	9.06	0.285839	0.2591045		-9.4	20
Bromoform	A	10.0	8.61	0.2767697	0.2381668		-13.9	20
Bromomethane	A	10.0	8.93	0.2287568	0.2042933		-10.7	20
2-Butanone (MEK)	A	100	118	0.1493019	0.1765864		18.3	20
tert-Butyl Alcohol (TBA)	A	100	94.3	4.610516E-02	4.348425E-02		-5.7	20
n-Butylbenzene	A	10.0	9.59	2.078515	1.993281		-4.1	20
sec-Butylbenzene	A	10.0	9.85	0.4297714	0.4232225		-1.5	20
tert-Butylbenzene	A	10.0	9.44	1.57183	1.483715		-5.6	20
tert-Butyl Ethyl Ether (TBEE)	A	10.0	9.14	1.165984	1.066048		-8.6	20
Carbon Disulfide	A	100	88.9	0.8582592	0.7630421		-11.1	20
Carbon Tetrachloride	A	10.0	8.86	0.5574134	0.4936956		-11.4	20
Chlorobenzene	A	10.0	9.28	1.077909	0.9998458		-7.2	20
Chlorodibromomethane	A	10.0	8.69	0.1881067	0.1634908		-13.1	20
Chloroethane	A	10.0	10.2	0.2168835	0.2202264		1.5	20
Chloroform	A	10.0	9.14	0.7124083	0.650889		-8.6	20
Chloromethane	A	10.0	9.78	0.4799815	0.4696013		-2.2	20
2-Chlorotoluene	A	10.0	9.52	1.483764	1.412131		-4.8	20
4-Chlorotoluene	A	10.0	9.48	1.745769	1.65554		-5.2	20
1,2-Dibromo-3-chloropropane (DBCP)	A	10.0	10.6	0.1110976	0.1175947		5.8	20
1,2-Dibromoethane (EDB)	A	10.0	9.83	0.1487521	0.1462572		-1.7	20
Dibromomethane	A	10.0	9.81	0.1107365	0.1086183		-1.9	20
1,2-Dichlorobenzene	A	10.0	9.96	0.912138	0.9083233		-0.4	20
1,3-Dichlorobenzene	A	10.0	10.1	0.9658292	0.9793992		1.4	20

CONTINUING CALIBRATION VERIFICATION

SW-846 8260D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSVOA4	Calibration:	2100436
Lab File ID:	D21V35003.D	Calibration Date:	10/20/21 08:30
Sequence:	S066576	Injection Date:	12/16/21
Lab Sample ID:	S066576-CCV1	Injection Time:	04:50

		CONC. (µg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Styrene	A	10.0	9.54	1.23082	1.17426		-4.6	20
1,1,1,2-Tetrachloroethane	A	10.0	9.07	0.3935227	0.3567941		-9.3	20
1,1,2,2-Tetrachloroethane	A	10.0	9.66	0.4832584	0.466736		-3.4	20
Tetrachloroethylene	A	10.0	9.27	0.1988957	0.1842947		-7.3	20
Tetrahydrofuran	A	10.0	9.86	4.121495E-02	4.063934E-02		-1.4	20
Toluene	A	10.0	9.41	0.8301866	0.7808434		-5.9	20
1,2,3-Trichlorobenzene	A	10.0	8.67	0.5849801	0.5073358		-13.3	20
1,2,4-Trichlorobenzene	A	10.0	8.61	0.7131006	0.6137295		-13.9	20
1,3,5-Trichlorobenzene	A	10.0	9.64	0.7517141	0.724555		-3.6	20
1,1,1-Trichloroethane	A	10.0	9.27	0.6424633	0.5954847		-7.3	20
1,1,2-Trichloroethane	A	10.0	9.53	0.1345994	0.1282899		-4.7	20
Trichloroethylene	A	10.0	9.22	0.2828325	0.2607914		-7.8	20
Trichlorofluoromethane (Freon 11)	A	10.0	9.13	0.5923919	0.5410817		-8.7	20
1,2,3-Trichloropropane	A	10.0	9.36	0.1221242	0.1142589		-6.4	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	9.01	0.2623601	0.2363979		-9.9	20
1,2,4-Trimethylbenzene	A	10.0	9.59	1.960837	1.880301		-4.1	20
1,3,5-Trimethylbenzene	A	10.0	9.37	1.707706	1.600845		-6.3	20
Vinyl Chloride	A	10.0	9.59	0.3926648	0.3765854		-4.1	20
m+p Xylene	A	20.0	18.9	1.67536	1.580404		-5.7	20
o-Xylene	A	10.0	9.54	1.68807	1.610636		-4.6	20
1,2-Dichloroethane-d4	A	25.0	27.8	0.5718784	0.6352133		11.1	
Toluene-d8	A	25.0	25.4	0.9108494	0.9265922		1.7	
4-Bromofluorobenzene	A	25.0	23.9	0.8879749	0.8476257		-4.5	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

2 - FORM II
SYSTEM MONITORING COMPOUND SUMMARY
SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	SDG:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Instrument:	GCMSSV4

	2,4,6-TBP (30% - 130%)	2-FlBiphenyl (30% - 130%)	2-Flphenol (30% - 130%)	Nitrobenz-d5 (30% - 130%)	Phenol-d6 (30% - 130%)	Terphnyl-d14 (30% - 130%)
21L1105-02	88.4	65.4	66.9	69.8	74.0	73.1
21L1105-03	46.5	49.1	51.2	50.6	53.5	52.9
21L1105-04	75.4	56.4	65.4	65.1	68.9	62.9
21L1105-05	73.2	66.6	57.6	65.0	64.6	69.6
21L1105-06	72.9	68.3	55.3	64.5	62.9	66.7
21L1105-06RE1	48.3	55.8	51.2	58.5	59.2	54.6
21L1105-07	73.8	65.9	58.2	67.1	64.8	67.1
21L1105-09	62.9	50.8	51.1	52.4	56.4	57.9
21L1105-10	78.4	72.0	60.5	62.8	65.5	82.4
21L1105-11	80.3	68.6	59.9	65.6	67.5	74.3
21L1105-12	51.7	44.5	45.4	49.8	49.9	46.9
21L1105-13	54.8	40.9	54.9	60.0	61.1	47.7
21L1105-14	68.3	46.9	59.4	62.5	68.3	58.3
21L1105-16	72.9	56.8	53.1	59.5	60.6	58.6
21L1105-17	65.5	59.1	56.3	64.2	62.6	59.6
21L1105-18	68.8	55.8	63.5	68.2	69.6	59.9
21L1105-19	50.4	28.5*	25.6*	32.5	37.8	39.2
21L1105-20	57.6	37.7	69.2	72.4	75.8	48.8
21L1105-21	58.6	46.3	46.7	53.9	52.9	45.6
21L1105-22	61.8	43.9	41.1	44.1	45.1	53.4
21L1105-24	55.4	56.7	47.4	61.6	57.9	64.4
B297690-BLK1	95.6	82.0	73.0	75.0	75.0	97.3
B297690-BS1	95.6	86.1	76.5	80.0	81.5	86.0
B297690-BSD1	89.4	81.6	78.6	80.9	80.5	84.3
B297690-MS2	80.6	66.2	66.2	74.8	71.3	74.8
B297690-MSD2	70.3	66.8	63.2	68.4	63.3	70.8

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B297130	Laboratory ID:	B297130-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
2,4-Dinitrophenol	50.0	38.8	77.7		30 - 130
2,4-Dinitrotoluene	50.0	47.1	94.2		40 - 140
2,6-Dinitrotoluene	50.0	49.6	99.3		40 - 140
Di-n-octylphthalate	50.0	47.3	94.7		40 - 140
1,2-Diphenylhydrazine/Azobenzene	50.0	37.6	75.1		40 - 140
Fluoranthene	50.0	40.2	80.4		40 - 140
Fluorene	50.0	42.2	84.3		40 - 140
Hexachlorobenzene	50.0	40.5	81.0		40 - 140
Hexachlorobutadiene	50.0	30.6	61.2		40 - 140
Hexachlorocyclopentadiene	50.0	11.4	22.7	*	30 - 140
Hexachloroethane	50.0	31.9	63.7		40 - 140
Indeno(1,2,3-cd)pyrene	50.0	43.6	87.3		40 - 140
Isophorone	50.0	41.6	83.1		40 - 140
1-Methylnaphthalene	50.0	37.3	74.6		40 - 140
2-Methylnaphthalene	50.0	46.6	93.3		40 - 140
2-Methylphenol	50.0	37.3	74.7		30 - 130
3/4-Methylphenol	50.0	36.4	72.9		30 - 130
Naphthalene	50.0	40.2	80.4		40 - 140
2-Nitroaniline	50.0	47.3	94.6		40 - 140
3-Nitroaniline	50.0	46.2	92.4		40 - 140
4-Nitroaniline	50.0	45.2	90.5		40 - 140
Nitrobenzene	50.0	36.5	72.9		40 - 140
2-Nitrophenol	50.0	44.2	88.4		30 - 130
4-Nitrophenol	50.0	22.0	44.1		10 - 130
N-Nitrosodimethylamine	50.0	31.5	63.0		40 - 140
N-Nitrosodiphenylamine/Diphenylamine	50.0	43.0	86.1		40 - 140
N-Nitrosodi-n-propylamine	50.0	40.8	81.5		40 - 140
Pentachloronitrobenzene	50.0	40.1	80.3		40 - 140
Pentachlorophenol	50.0	24.0	48.0		30 - 130
Phenanthrene	50.0	42.6	85.3		40 - 140
Phenol	50.0	22.0	44.1		20 - 130
Pyrene	50.0	42.4	84.8		40 - 140
Pyridine	50.0	20.3	40.6		10 - 140
1,2,4,5-Tetrachlorobenzene	50.0	38.3	76.7		40 - 140
1,2,4-Trichlorobenzene	50.0	34.3	68.5		40 - 140
2,4,5-Trichlorophenol	50.0	42.0	83.9		30 - 130
2,4,6-Trichlorophenol	50.0	40.6	81.2		30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B297130	Laboratory ID:	B297130-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #	% RPD #		QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.0	37.2	74.4	6.25		20	40 - 140
Acenaphthylene	50.0	41.6	83.3	6.39		20	40 - 140
Acetophenone	50.0	33.1	66.1	15.6		20	40 - 140
Aniline	50.0	37.2	74.4	13.8		50	40 - 140
Anthracene	50.0	40.8	81.6	1.15		20	40 - 140
Benzidine	50.0	24.3	48.7	51.9	*	20	40 - 140
Benzo(a)anthracene	50.0	40.1	80.1	2.17		20	40 - 140
Benzo(a)pyrene	50.0	43.2	86.4	3.64		20	40 - 140
Benzo(b)fluoranthene	50.0	42.5	85.1	0.469		20	40 - 140
Benzo(g,h,i)perylene	50.0	43.8	87.6	5.05		20	40 - 140
Benzo(k)fluoranthene	50.0	45.3	90.5	5.54		20	40 - 140
Benzoic Acid	50.0	15.7	31.5	4.71		50	10 - 130
Bis(2-chloroethoxy)methane	50.0	36.8	73.7	8.80		20	40 - 140
Bis(2-chloroethyl)ether	50.0	39.0	77.9	18.2		20	40 - 140
Bis(2-chloroisopropyl)ether	50.0	49.4	98.8	17.0		20	40 - 140
Bis(2-Ethylhexyl)phthalate	50.0	49.0	97.9	3.77		20	40 - 140
4-Bromophenylphenylether	50.0	37.2	74.3	4.45		20	40 - 140
Butylbenzylphthalate	50.0	44.9	89.9	1.59		20	40 - 140
Carbazole	50.0	41.5	83.0	2.07		20	40 - 140
4-Chloroaniline	50.0	35.7	71.3	10.5		20	40 - 140
4-Chloro-3-methylphenol	50.0	37.6	75.3	7.52		20	30 - 130
2-Chloronaphthalene	50.0	35.4	70.8	7.40		20	40 - 140
2-Chlorophenol	50.0	33.6	67.1	16.4		20	30 - 130
4-Chlorophenylphenylether	50.0	37.3	74.7	2.30		20	40 - 140
Chrysene	50.0	42.4	84.8	0.236		20	40 - 140
Dibenz(a,h)anthracene	50.0	46.4	92.7	3.06		20	40 - 140
Dibenzofuran	50.0	41.9	83.9	3.93		20	40 - 140
Di-n-butylphthalate	50.0	43.7	87.4	0.956		20	40 - 140
1,2-Dichlorobenzene	50.0	29.2	58.4	21.5	*	20	40 - 140
1,3-Dichlorobenzene	50.0	28.6	57.1	20.2	*	20	40 - 140
1,4-Dichlorobenzene	50.0	29.1	58.3	20.2	*	20	40 - 140
3,3-Dichlorobenzidine	50.0	44.9	89.7	5.53		20	40 - 140
2,4-Dichlorophenol	50.0	34.4	68.7	10.4		20	30 - 130
Diethylphthalate	50.0	39.2	78.3	3.83		20	40 - 140
2,4-Dimethylphenol	50.0	37.3	74.6	11.1		20	30 - 130
Dimethylphthalate	50.0	40.4	80.8	4.24		50	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B297130	Laboratory ID:	B297130-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
4,6-Dinitro-2-methylphenol	50.0	39.0	78.0		0.791	50	30 - 130
2,4-Dinitrophenol	50.0	38.4	76.7		1.22	50	30 - 130
2,4-Dinitrotoluene	50.0	45.9	91.9		2.49	20	40 - 140
2,6-Dinitrotoluene	50.0	48.3	96.5		2.82	20	40 - 140
Di-n-octylphthalate	50.0	45.3	90.7		4.32	20	40 - 140
1,2-Diphenylhydrazine/Azobenzene	50.0	36.5	73.0		2.89	20	40 - 140
Fluoranthene	50.0	39.9	79.8		0.774	20	40 - 140
Fluorene	50.0	39.9	79.9		5.46	20	40 - 140
Hexachlorobenzene	50.0	39.8	79.6		1.72	20	40 - 140
Hexachlorobutadiene	50.0	26.4	52.9		14.6	20	40 - 140
Hexachlorocyclopentadiene	50.0	9.05	18.1	*	22.6	50	30 - 140
Hexachloroethane	50.0	26.4	52.7		18.9	50	40 - 140
Indeno(1,2,3-cd)pyrene	50.0	43.6	87.3		0.00	50	40 - 140
Isophorone	50.0	37.9	75.7		9.32	20	40 - 140
1-Methylnaphthalene	50.0	34.3	68.6		8.41	20	40 - 140
2-Methylnaphthalene	50.0	41.6	83.3		11.4	20	40 - 140
2-Methylphenol	50.0	32.8	65.7		12.8	20	30 - 130
3/4-Methylphenol	50.0	31.8	63.6		13.7	20	30 - 130
Naphthalene	50.0	35.0	70.0		13.8	20	40 - 140
2-Nitroaniline	50.0	45.1	90.2		4.74	20	40 - 140
3-Nitroaniline	50.0	44.8	89.7		2.97	20	40 - 140
4-Nitroaniline	50.0	46.1	92.2		1.88	20	40 - 140
Nitrobenzene	50.0	32.4	64.7		11.9	20	40 - 140
2-Nitrophenol	50.0	39.7	79.4		10.7	20	30 - 130
4-Nitrophenol	50.0	21.8	43.6		1.09	50	10 - 130
N-Nitrosodimethylamine	50.0	26.0	51.9		19.2	20	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	50.0	41.1	82.1		4.71	20	40 - 140
N-Nitrosodi-n-propylamine	50.0	36.8	73.6		10.2	20	40 - 140
Pentachloronitrobenzene	50.0	40.6	81.3		1.21	20	40 - 140
Pentachlorophenol	50.0	23.9	47.8		0.292	50	30 - 130
Phenanthrene	50.0	41.6	83.1		2.52	20	40 - 140
Phenol	50.0	19.1	38.3		14.2	20	20 - 130
Pyrene	50.0	42.4	84.9		0.118	20	40 - 140
Pyridine	50.0	15.0	30.1		29.8	50	10 - 140
1,2,4,5-Tetrachlorobenzene	50.0	34.5	69.1		10.4	20	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-12-2-12-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B297690	Preparation:	SW-846 3546
% Solids:	90.32	Laboratory ID:	B297690-MS2
Initial/Final:	30 g / 1 mL	Sample Lab ID:	21L1105-10
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Acenaphthene	1.85	ND	1.12	60.8		40 - 140
Acenaphthylene	1.85	ND	1.21	65.6		40 - 140
Acetophenone	1.85	ND	1.21	65.7		40 - 140
Aniline	1.85	ND	1.06	57.5		40 - 140
Anthracene	1.85	ND	1.24	67.4		40 - 140
Benzidine	1.85	ND	0.852	46.2		40 - 140
Benzo(a)anthracene	1.85	0.156	1.33	63.7		40 - 140
Benzo(a)pyrene	1.85	0.179	1.39	65.9		40 - 140
Benzo(b)fluoranthene	1.85	0.251	1.37	60.8		40 - 140
Benzo(g,h,i)perylene	1.85	0.122	1.37	67.7		40 - 140
Benzo(k)fluoranthene	1.85	0.112	1.37	68.3		40 - 140
Benzoic Acid	1.85	ND	0.316	17.1	*	40 - 140
Bis(2-chloroethoxy)methane	1.85	ND	1.06	57.6		40 - 140
Bis(2-chloroethyl)ether	1.85	ND	1.15	62.1		40 - 140
Bis(2-chloroisopropyl)ether	1.85	ND	1.37	74.0		40 - 140
Bis(2-Ethylhexyl)phthalate	1.85	ND	1.14	62.0		40 - 140
4-Bromophenylphenylether	1.85	ND	1.16	63.0		40 - 140
Butylbenzylphthalate	1.85	ND	1.15	62.5		40 - 140
Carbazole	1.85	ND	1.25	67.9		40 - 140
4-Chloroaniline	1.85	ND	1.14	61.6		40 - 140
4-Chloro-3-methylphenol	1.85	ND	1.21	65.4		30 - 130
2-Chloronaphthalene	1.85	ND	1.02	55.2		40 - 140
2-Chlorophenol	1.85	ND	1.09	59.1		30 - 130
4-Chlorophenylphenylether	1.85	ND	1.18	63.9		40 - 140
Chrysene	1.85	0.181	1.31	61.0		40 - 140
Dibenz(a,h)anthracene	1.85	ND	1.26	68.3		40 - 140
Dibenzofuran	1.85	ND	1.30	70.5		40 - 140
Di-n-butylphthalate	1.85	ND	1.19	64.5		40 - 140
1,2-Dichlorobenzene	1.85	ND	1.10	59.5		40 - 140
1,3-Dichlorobenzene	1.85	ND	1.05	56.7		40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-12-2-12-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B297690	Preparation:	SW-846 3546
% Solids:	90.32	Laboratory ID:	B297690-MS2
Initial/Final:	30 g / 1 mL	Sample Lab ID:	21L1105-10
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
1,4-Dichlorobenzene	1.85	ND	1.05	57.0		40 - 140
3,3-Dichlorobenzidine	1.85	ND	1.17	63.6		40 - 140
2,4-Dichlorophenol	1.85	ND	1.15	62.2		30 - 130
Diethylphthalate	1.85	ND	1.19	64.4		40 - 140
2,4-Dimethylphenol	1.85	ND	1.15	62.3		30 - 130
Dimethylphthalate	1.85	ND	1.19	64.3		40 - 140
4,6-Dinitro-2-methylphenol	1.85	ND	0.984	53.3		30 - 130
2,4-Dinitrophenol	1.85	ND	0.468	25.3	*	30 - 130
2,4-Dinitrotoluene	1.85	ND	1.32	71.4		40 - 140
2,6-Dinitrotoluene	1.85	ND	1.35	72.9		40 - 140
Di-n-octylphthalate	1.85	ND	1.18	63.9		40 - 140
1,2-Diphenylhydrazine/Azobenzene	1.85	ND	1.21	65.7		40 - 140
Fluoranthene	1.85	0.397	1.64	67.2		40 - 140
Fluorene	1.85	ND	1.27	69.0		40 - 140
Hexachlorobenzene	1.85	ND	1.29	69.7		40 - 140
Hexachlorobutadiene	1.85	ND	1.13	61.2		40 - 140
Hexachlorocyclopentadiene	1.85	ND	0.927	50.3		30 - 130
Hexachloroethane	1.85	ND	1.11	60.4		40 - 140
Indeno(1,2,3-cd)pyrene	1.85	0.143	1.36	66.0		40 - 140
Isophorone	1.85	ND	1.52	82.3		40 - 140
1-Methylnaphthalene	1.85	ND	1.12	60.5		40 - 140
2-Methylnaphthalene	1.85	ND	1.29	69.7		40 - 140
2-Methylphenol	1.85	ND	1.22	65.9		30 - 130
3/4-Methylphenol	1.85	ND	1.30	70.2		30 - 130
Naphthalene	1.85	ND	1.14	61.7		40 - 140
2-Nitroaniline	1.85	ND	1.32	71.4		40 - 140
3-Nitroaniline	1.85	ND	1.35	73.3		40 - 140
4-Nitroaniline	1.85	ND	1.36	73.7		40 - 140
Nitrobenzene	1.85	ND	1.36	73.8		40 - 140
2-Nitrophenol	1.85	ND	1.21	65.8		30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-12-2-12-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B297690	Preparation:	SW-846 3546
% Solids:	90.32	Laboratory ID:	B297690-MS2
Initial/Final:	30 g / 1 mL	Sample Lab ID:	21L1105-10
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
4-Nitrophenol	1.85	ND	1.24	67.2		30 - 130
N-Nitrosodimethylamine	1.85	ND	0.988	53.5		40 - 140
N-Nitrosodiphenylamine/Diphenylamine	1.85	ND	1.24	67.2		40 - 140
N-Nitrosodi-n-propylamine	1.85	ND	1.23	66.5		40 - 140
Pentachloronitrobenzene	1.85	ND	1.30	70.6		40 - 140
Pentachlorophenol	1.85	ND	0.836	45.3		30 - 130
Phenanthrene	1.85	0.111	1.35	67.0		40 - 140
Phenol	1.85	ND	1.16	62.7		30 - 130
Pyrene	1.85	0.319	1.50	63.9		40 - 140
Pyridine	1.85	ND	0.621	33.6	*	40 - 140
1,2,4,5-Tetrachlorobenzene	1.85	ND	1.17	63.2		40 - 140
1,2,4-Trichlorobenzene	1.85	ND	1.11	60.4		40 - 140
2,4,5-Trichlorophenol	1.85	ND	1.27	68.7		30 - 130
2,4,6-Trichlorophenol	1.85	ND	1.23	66.8		30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-12-2-12-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B297690	Preparation:	SW-846 3546
% Solids:	90.32	Laboratory ID:	B297690-MSD2
Initial/Final:	30 g / 1 mL	Sample Lab ID:	21L1105-10
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	1.85	1.09	59.2		2.60		30	40 - 140
Acenaphthylene	1.85	1.19	64.4		1.81		30	40 - 140
Acetophenone	1.85	1.19	64.5		1.84		30	40 - 140
Aniline	1.85	0.967	52.4		9.24		30	40 - 140
Anthracene	1.85	1.18	64.0		5.27		30	40 - 140
Benzidine	1.85	0.182	9.88	*	129	*	30	40 - 140
Benzo(a)anthracene	1.85	1.24	58.9		6.88		30	40 - 140
Benzo(a)pyrene	1.85	1.35	63.4		3.31		30	40 - 140
Benzo(b)fluoranthene	1.85	1.28	55.8		6.87		30	40 - 140
Benzo(g,h,i)perylene	1.85	1.27	62.0		8.03		30	40 - 140
Benzo(k)fluoranthene	1.85	1.35	66.8		1.96		30	40 - 140
Benzoic Acid	1.85	0.302	16.4	*			30	40 - 140
Bis(2-chloroethoxy)methane	1.85	1.23	66.6		14.5		30	40 - 140
Bis(2-chloroethyl)ether	1.85	1.11	60.4		2.74		30	40 - 140
Bis(2-chloroisopropyl)ether	1.85	1.48	80.2		8.01		30	40 - 140
Bis(2-Ethylhexyl)phthalate	1.85	1.13	61.1		1.49		30	40 - 140
4-Bromophenylphenylether	1.85	1.13	61.3		2.67		30	40 - 140
Butylbenzylphthalate	1.85	1.13	61.3		2.00		30	40 - 140
Carbazole	1.85	1.20	64.8		4.70		30	40 - 140
4-Chloroaniline	1.85	1.11	60.4		1.93		30	40 - 140
4-Chloro-3-methylphenol	1.85	1.08	58.4		11.3		30	30 - 130
2-Chloronaphthalene	1.85	1.05	57.1		3.42		30	40 - 140
2-Chlorophenol	1.85	1.10	59.3		0.338		30	30 - 130
4-Chlorophenylphenylether	1.85	1.14	61.7		3.44		30	40 - 140
Chrysene	1.85	1.23	56.8		6.11		30	40 - 140
Dibenz(a,h)anthracene	1.85	1.16	63.0		8.07		30	40 - 140
Dibenzofuran	1.85	1.27	68.8		2.35		30	40 - 140
Di-n-butylphthalate	1.85	1.15	62.4		3.25		30	40 - 140
1,2-Dichlorobenzene	1.85	1.03	55.6		6.78		30	40 - 140
1,3-Dichlorobenzene	1.85	0.989	53.6		5.59		30	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-12-2-12-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B297690	Preparation:	SW-846 3546
% Solids:	90.32	Laboratory ID:	B297690-MSD2
Initial/Final:	30 g / 1 mL	Sample Lab ID:	21L1105-10
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
1,4-Dichlorobenzene	1.85	1.00	54.3		4.78		30	40 - 140
3,3-Dichlorobenzidine	1.85	1.11	60.4		5.23		30	40 - 140
2,4-Dichlorophenol	1.85	1.13	61.5		1.26		30	30 - 130
Diethylphthalate	1.85	1.15	62.5		2.90		30	40 - 140
2,4-Dimethylphenol	1.85	1.02	55.1		12.2		30	30 - 130
Dimethylphthalate	1.85	1.16	62.8		2.33		30	40 - 140
4,6-Dinitro-2-methylphenol	1.85	0.781	42.3		23.0		30	30 - 130
2,4-Dinitrophenol	1.85	0.307	16.6	*	41.4	*	30	30 - 130
2,4-Dinitrotoluene	1.85	1.23	66.8		6.63		30	40 - 140
2,6-Dinitrotoluene	1.85	1.28	69.6		4.66		30	40 - 140
Di-n-octylphthalate	1.85	1.28	69.2		7.96		30	40 - 140
1,2-Diphenylhydrazine/Azobenzene	1.85	1.28	69.3		5.27		30	40 - 140
Fluoranthene	1.85	1.41	54.8		15.0		30	40 - 140
Fluorene	1.85	1.22	66.3		3.96		30	40 - 140
Hexachlorobenzene	1.85	1.24	67.4		3.27		30	40 - 140
Hexachlorobutadiene	1.85	1.07	58.0		5.27		30	40 - 140
Hexachlorocyclopentadiene	1.85	0.852	46.2		8.46		30	30 - 130
Hexachloroethane	1.85	1.10	59.6		1.23		30	40 - 140
Indeno(1,2,3-cd)pyrene	1.85	1.24	59.2		9.61		30	40 - 140
Isophorone	1.85	1.41	76.3		7.59		30	40 - 140
1-Methylnaphthalene	1.85	0.949	51.4		16.2		30	40 - 140
2-Methylnaphthalene	1.85	1.09	58.9		16.9		30	40 - 140
2-Methylphenol	1.85	1.19	64.7		1.90		30	30 - 130
3/4-Methylphenol	1.85	1.24	67.0		4.63		30	30 - 130
Naphthalene	1.85	1.12	60.5		1.96		30	40 - 140
2-Nitroaniline	1.85	1.31	71.0		0.562		30	40 - 140
3-Nitroaniline	1.85	1.24	67.0		8.89		30	40 - 140
4-Nitroaniline	1.85	1.23	66.5		10.2		30	40 - 140
Nitrobenzene	1.85	1.27	68.9		6.78		30	40 - 140
2-Nitrophenol	1.85	1.14	62.0		5.82		30	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-12-2-12-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B297690	Preparation:	SW-846 3546
% Solids:	90.32	Laboratory ID:	B297690-MSD2
Initial/Final:	30 g / 1 mL	Sample Lab ID:	21L1105-10
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
4-Nitrophenol	1.85	1.13	61.2		9.28	30	30 - 130
N-Nitrosodimethylamine	1.85	0.885	48.0		11.0	30	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	1.85	1.24	67.0		0.209	30	40 - 140
N-Nitrosodi-n-propylamine	1.85	1.27	68.6		3.05	30	40 - 140
Pentachloronitrobenzene	1.85	1.26	68.1		3.52	30	40 - 140
Pentachlorophenol	1.85	0.640	34.7		26.5	30	30 - 130
Phenanthrene	1.85	1.26	62.1		6.86	30	40 - 140
Phenol	1.85	1.06	57.3		9.03	30	30 - 130
Pyrene	1.85	1.33	54.6		12.2	30	40 - 140
Pyridine	1.85	0.534	28.9	*	15.1	30	40 - 140
1,2,4,5-Tetrachlorobenzene	1.85	1.12	60.8		3.91	30	40 - 140
1,2,4-Trichlorobenzene	1.85	1.09	59.3		1.84	30	40 - 140
2,4,5-Trichlorophenol	1.85	1.23	66.7		2.95	30	30 - 130
2,4,6-Trichlorophenol	1.85	1.11	60.4		10.1	30	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-03-0-2-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B298298	Preparation:	SW-846 3546
% Solids:	79.47	Laboratory ID:	B298298-MS1
Initial/Final:	30 g / 1 mL	Sample Lab ID:	21L1105-04RE2
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Acenaphthene	2.10	1.55	3.07	72.6		40 - 140
Acenaphthylene	2.10	ND	1.86	88.5		40 - 140
Acetophenone	2.10	ND	1.53	73.0		40 - 140
Aniline	2.10	ND	1.01	48.3		40 - 140
Anthracene	2.10	8.54	10.9	111		40 - 140
Benzidine	2.10	ND	0.0147	0.700	*	40 - 140
Benzo(a)anthracene	2.10	51.2	54.1	139		40 - 140
Benzo(a)pyrene	2.10	51.5	57.3	279	*	40 - 140
Benzo(b)fluoranthene	2.10	73.5	85.6	580	*	40 - 140
Benzo(g,h,i)perylene	2.10	30.1	31.1	48.2		40 - 140
Benzo(k)fluoranthene	2.10	29.0	32.7	181	*	40 - 140
Benzoic Acid	2.10	ND	0.243	11.6	*	40 - 140
Bis(2-chloroethoxy)methane	2.10	ND	1.56	74.2		40 - 140
Bis(2-chloroethyl)ether	2.10	ND	1.62	77.1		40 - 140
Bis(2-chloroisopropyl)ether	2.10	ND	1.78	85.1		40 - 140
Bis(2-Ethylhexyl)phthalate	2.10	ND	2.15	102		40 - 140
4-Bromophenylphenylether	2.10	ND	1.30	62.0		40 - 140
Butylbenzylphthalate	2.10	ND	1.49	71.0		40 - 140
Carbazole	2.10	9.01	11.8	134		40 - 140
4-Chloroaniline	2.10	ND	1.02	48.5		40 - 140
4-Chloro-3-methylphenol	2.10	ND	1.47	70.2		30 - 130
2-Chloronaphthalene	2.10	ND	1.25	59.7		40 - 140
2-Chlorophenol	2.10	ND	1.43	68.0		30 - 130
4-Chlorophenylphenylether	2.10	ND	1.39	66.4		40 - 140
Chrysene	2.10	61.8	65.7	188	*	40 - 140
Dibenz(a,h)anthracene	2.10	8.11	8.86	35.9	*	40 - 140
Dibenzofuran	2.10	1.46	3.18	81.9		40 - 140
Di-n-butylphthalate	2.10	ND	1.61	76.7		40 - 140
1,2-Dichlorobenzene	2.10	ND	1.31	62.5		40 - 140
1,3-Dichlorobenzene	2.10	ND	1.32	63.1		40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-03-0-2-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B298298	Preparation:	SW-846 3546
% Solids:	79.47	Laboratory ID:	B298298-MS1
Initial/Final:	30 g / 1 mL	Sample Lab ID:	21L1105-04RE2
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
1,4-Dichlorobenzene	2.10	ND	1.33	63.4		40 - 140
3,3-Dichlorobenzidine	2.10	ND	0.789	37.6	*	40 - 140
2,4-Dichlorophenol	2.10	ND	1.33	63.5		30 - 130
Diethylphthalate	2.10	ND	1.53	72.8		40 - 140
2,4-Dimethylphenol	2.10	ND	1.42	67.9		30 - 130
Dimethylphthalate	2.10	ND	1.47	70.3		40 - 140
4,6-Dinitro-2-methylphenol	2.10	ND	0.386	18.4	*	30 - 130
2,4-Dinitrophenol	2.10	ND	1.41	67.4		30 - 130
2,4-Dinitrotoluene	2.10	ND	1.73	82.4		40 - 140
2,6-Dinitrotoluene	2.10	ND	1.70	81.0		40 - 140
Di-n-octylphthalate	2.10	ND	1.60	76.4		40 - 140
1,2-Diphenylhydrazine/Azobenzene	2.10	ND	1.61	76.7		40 - 140
Fluoranthene	2.10	150	159	447	*	40 - 140
Fluorene	2.10	2.37	4.03	79.2		40 - 140
Hexachlorobenzene	2.10	ND	1.31	62.5		40 - 140
Hexachlorobutadiene	2.10	ND	1.34	63.8		40 - 140
Hexachlorocyclopentadiene	2.10	ND	2.1 U	0	*	30 - 130
Hexachloroethane	2.10	ND	1.18	56.4		40 - 140
Indeno(1,2,3-cd)pyrene	2.10	36.8	37.9	54.1		40 - 140
Isophorone	2.10	ND	1.70	80.9		40 - 140
1-Methylnaphthalene	2.10	ND	1.47	70.2		40 - 140
2-Methylnaphthalene	2.10	ND	1.66	79.0		40 - 140
2-Methylphenol	2.10	ND	1.59	75.7		30 - 130
3/4-Methylphenol	2.10	ND	1.64	78.0		30 - 130
Naphthalene	2.10	0.399	1.86	69.5		40 - 140
2-Nitroaniline	2.10	ND	1.82	86.7		40 - 140
3-Nitroaniline	2.10	ND	1.57	74.9		40 - 140
4-Nitroaniline	2.10	ND	1.78	84.7		40 - 140
Nitrobenzene	2.10	ND	1.56	74.4		40 - 140
2-Nitrophenol	2.10	ND	1.33	63.3		30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-03-0-2-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B298298	Preparation:	SW-846 3546
% Solids:	79.47	Laboratory ID:	B298298-MS1
Initial/Final:	30 g / 1 mL	Sample Lab ID:	21L1105-04RE2
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
4-Nitrophenol	2.10	ND	1.85	88.3		30 - 130
N-Nitrosodimethylamine	2.10	ND	1.59	76.0		40 - 140
N-Nitrosodiphenylamine/Diphenylamine	2.10	ND	1.54	73.4		40 - 140
N-Nitrosodi-n-propylamine	2.10	ND	1.65	78.6		40 - 140
Pentachloronitrobenzene	2.10	ND	1.31	62.7		40 - 140
Pentachlorophenol	2.10	ND	0.535	25.5	*	30 - 130
Phenanthrene	2.10	50.8	56.0	247	*	40 - 140
Phenol	2.10	ND	1.60	76.2		30 - 130
Pyrene	2.10	97.0	104	331	*	40 - 140
Pyridine	2.10	ND	1.05	50.1		40 - 140
1,2,4,5-Tetrachlorobenzene	2.10	ND	1.38	65.7		40 - 140
1,2,4-Trichlorobenzene	2.10	ND	1.45	69.2		40 - 140
2,4,5-Trichlorophenol	2.10	ND	1.45	69.3		30 - 130
2,4,6-Trichlorophenol	2.10	ND	1.31	62.3		30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-03-0-2-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B298298	Preparation:	SW-846 3546
% Solids:	79.47	Laboratory ID:	B298298-MSD1
Initial/Final:	30 g / 1 mL	Sample Lab ID:	21L1105-04RE2
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	2.10	2.46	43.7		21.9	30	40 - 140
Acenaphthylene	2.10	1.54	73.2		18.9	30	40 - 140
Acetophenone	2.10	1.29	61.7		16.8	30	40 - 140
Aniline	2.10	0.849	40.5		17.6	30	40 - 140
Anthracene	2.10	8.71	8.26	*	22.1	30	40 - 140
Benzidine	2.10	0.0273	1.30	*		30	40 - 140
Benzo(a)anthracene	2.10	43.5	-367	*	21.8	30	40 - 140
Benzo(a)pyrene	2.10	45.9	-265	*	22.1	30	40 - 140
Benzo(b)fluoranthene	2.10	71.5	-95.1	*	18.0	30	40 - 140
Benzo(g,h,i)perylene	2.10	26.0	-196	*	18.0	30	40 - 140
Benzo(k)fluoranthene	2.10	24.6	-206	*	28.3	30	40 - 140
Benzoic Acid	2.10	0.264	12.6	*		30	40 - 140
Bis(2-chloroethoxy)methane	2.10	1.30	62.0		17.9	30	40 - 140
Bis(2-chloroethyl)ether	2.10	1.35	64.5		17.8	30	40 - 140
Bis(2-chloroisopropyl)ether	2.10	1.49	71.1		17.9	30	40 - 140
Bis(2-Ethylhexyl)phthalate	2.10	1.67	79.4		25.2	30	40 - 140
4-Bromophenylphenylether	2.10	1.03	48.9		23.6	30	40 - 140
Butylbenzylphthalate	2.10	1.26	60.2		16.5	30	40 - 140
Carbazole	2.10	9.16	6.83	*	25.4	30	40 - 140
4-Chloroaniline	2.10	0.847	40.4		18.2	30	40 - 140
4-Chloro-3-methylphenol	2.10	1.22	58.1		18.9	30	30 - 130
2-Chloronaphthalene	2.10	1.03	49.2		19.3	30	40 - 140
2-Chlorophenol	2.10	1.22	58.0		15.9	30	30 - 130
4-Chlorophenylphenylether	2.10	1.13	53.8		21.0	30	40 - 140
Chrysene	2.10	53.3	-403	*	20.8	30	40 - 140
Dibenz(a,h)anthracene	2.10	7.48	-29.9	*	16.9	30	40 - 140
Dibenzofuran	2.10	2.46	47.6		25.5	30	40 - 140
Di-n-butylphthalate	2.10	1.28	60.8		23.1	30	40 - 140
1,2-Dichlorobenzene	2.10	1.10	52.6		17.2	30	40 - 140
1,3-Dichlorobenzene	2.10	1.11	52.7		18.0	30	40 - 140

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-03-0-2-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B298298	Preparation:	SW-846 3546
% Solids:	79.47	Laboratory ID:	B298298-MSD1
Initial/Final:	30 g / 1 mL	Sample Lab ID:	21L1105-04RE2
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD	QC LIMITS RPD	QC LIMITS REC.
1,4-Dichlorobenzene	2.10	1.08	51.3		21.1	30	40 - 140
3,3-Dichlorobenzidine	2.10	0.879	41.9		10.8	30	40 - 140
2,4-Dichlorophenol	2.10	1.09	51.9		20.1	30	30 - 130
Diethylphthalate	2.10	1.24	59.3		20.4	30	40 - 140
2,4-Dimethylphenol	2.10	1.15	54.7		21.5	30	30 - 130
Dimethylphthalate	2.10	1.19	56.8		21.2	30	40 - 140
4,6-Dinitro-2-methylphenol	2.10	0.241	11.5	*		30	30 - 130
2,4-Dinitrophenol	2.10	1.37	65.3			30	30 - 130
2,4-Dinitrotoluene	2.10	1.39	66.4		21.5	30	40 - 140
2,6-Dinitrotoluene	2.10	1.41	67.0		18.9	30	40 - 140
Di-n-octylphthalate	2.10	1.30	62.2		20.5	30	40 - 140
1,2-Diphenylhydrazine/Azobenzene	2.10	1.26	60.0		24.4	30	40 - 140
Fluoranthene	2.10	127	-1070	*	22.2	30	40 - 140
Fluorene	2.10	3.18	38.7	*	23.6	30	40 - 140
Hexachlorobenzene	2.10	0.996	47.5		27.3	30	40 - 140
Hexachlorobutadiene	2.10	1.08	51.3		21.7	30	40 - 140
Hexachlorocyclopentadiene	2.10	2.1 U	0	*		30	30 - 130
Hexachloroethane	2.10	1.10	52.4		7.35	30	40 - 140
Indeno(1,2,3-cd)pyrene	2.10	32.0	-232	*	17.1	30	40 - 140
Isophorone	2.10	1.37	65.3		21.3	30	40 - 140
1-Methylnaphthalene	2.10	1.18	56.3		22.0	30	40 - 140
2-Methylnaphthalene	2.10	1.38	65.6		18.5	30	40 - 140
2-Methylphenol	2.10	1.31	62.6		18.9	30	30 - 130
3/4-Methylphenol	2.10	1.32	62.8		21.6	30	30 - 130
Naphthalene	2.10	1.48	51.6		22.5	30	40 - 140
2-Nitroaniline	2.10	1.57	74.8		14.7	30	40 - 140
3-Nitroaniline	2.10	1.26	60.2		21.8	30	40 - 140
4-Nitroaniline	2.10	1.44	68.5		21.1	30	40 - 140
Nitrobenzene	2.10	1.35	64.5		14.3	30	40 - 140
2-Nitrophenol	2.10	1.15	54.6		14.8	30	30 - 130

3 - FORM III

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-03-0-2-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 8270E
Batch:	B298298	Preparation:	SW-846 3546
% Solids:	79.47	Laboratory ID:	B298298-MSD1
Initial/Final:	30 g / 1 mL	Sample Lab ID:	21L1105-04RE2
Column:			

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
4-Nitrophenol	2.10	1.53	72.8		19.2		30	30 - 130
N-Nitrosodimethylamine	2.10	1.27	60.5		22.7		30	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	2.10	1.27	60.4		19.4		30	40 - 140
N-Nitrosodi-n-propylamine	2.10	1.29	61.5		24.4		30	40 - 140
Pentachloronitrobenzene	2.10	1.25	59.4		5.41		30	40 - 140
Pentachlorophenol	2.10	0.459	21.9	*			30	30 - 130
Phenanthrene	2.10	45.5	-254	*	20.7		30	40 - 140
Phenol	2.10	1.32	62.8		19.3		30	30 - 130
Pyrene	2.10	85.3	-557	*	19.7		30	40 - 140
Pyridine	2.10	0.703	33.5	*	39.7	*	30	40 - 140
1,2,4,5-Tetrachlorobenzene	2.10	1.15	54.7		18.3		30	40 - 140
1,2,4-Trichlorobenzene	2.10	1.16	55.1		22.7		30	40 - 140
2,4,5-Trichlorophenol	2.10	1.16	55.5		22.1		30	30 - 130
2,4,6-Trichlorophenol	2.10	1.06	50.5		20.9		30	30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B297434	Laboratory ID:	B297434-BS1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCS CONCENTRATION (µg/L)	LCS % REC.		QC LIMITS REC.
2,4-Dinitrophenol	50.0	31.5	62.9		30 - 130
2,4-Dinitrotoluene	50.0	36.4	72.7		40 - 140
2,6-Dinitrotoluene	50.0	37.9	75.8		40 - 140
Di-n-octylphthalate	50.0	41.2	82.4		40 - 140
1,2-Diphenylhydrazine/Azobenzene	50.0	37.3	74.6		40 - 140
Fluoranthene	50.0	35.9	71.8		40 - 140
Fluorene	50.0	35.2	70.4		40 - 140
Hexachlorobenzene	50.0	37.0	74.0		40 - 140
Hexachlorobutadiene	50.0	28.0	56.1		40 - 140
Hexachlorocyclopentadiene	50.0	27.4	54.9		30 - 140
Hexachloroethane	50.0	24.2	48.5		40 - 140
Indeno(1,2,3-cd)pyrene	50.0	33.7	67.5		40 - 140
Isophorone	50.0	36.8	73.6		40 - 140
1-Methylnaphthalene	50.0	30.2	60.4		40 - 140
2-Methylnaphthalene	50.0	34.7	69.4		40 - 140
2-Methylphenol	50.0	29.4	58.8		30 - 130
3/4-Methylphenol	50.0	28.7	57.4		30 - 130
Naphthalene	50.0	30.3	60.5		40 - 140
2-Nitroaniline	50.0	37.9	75.9		40 - 140
3-Nitroaniline	50.0	41.1	82.2		40 - 140
4-Nitroaniline	50.0	39.4	78.9		40 - 140
Nitrobenzene	50.0	31.6	63.3		40 - 140
2-Nitrophenol	50.0	30.9	61.8		30 - 130
4-Nitrophenol	50.0	19.9	39.9		10 - 130
N-Nitrosodimethylamine	50.0	19.6	39.3	*	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	50.0	36.4	72.9		40 - 140
N-Nitrosodi-n-propylamine	50.0	33.0	66.0		40 - 140
Pentachloronitrobenzene	50.0	36.7	73.5		40 - 140
Pentachlorophenol	50.0	32.0	63.9		30 - 130
Phenanthrene	50.0	35.9	71.9		40 - 140
Phenol	50.0	14.0	27.9		20 - 130
Pyrene	50.0	36.2	72.5		40 - 140
Pyridine	50.0	13.5	27.0		10 - 140
1,2,4,5-Tetrachlorobenzene	50.0	31.7	63.3		40 - 140
1,2,4-Trichlorobenzene	50.0	28.4	56.8		40 - 140
2,4,5-Trichlorophenol	50.0	36.0	72.0		30 - 130
2,4,6-Trichlorophenol	50.0	33.5	67.1		30 - 130

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Water	Preparation:	SW-846 3510C
Batch:	B297434	Laboratory ID:	B297434-BSD1
Column:		Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (µg/L)	LCSD CONCENTRATION (µg/L)	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
4,6-Dinitro-2-methylphenol	50.0	37.8	75.5		8.45	50	30 - 130
2,4-Dinitrophenol	50.0	32.7	65.5		3.96	50	30 - 130
2,4-Dinitrotoluene	50.0	39.7	79.5		8.83	20	40 - 140
2,6-Dinitrotoluene	50.0	40.4	80.7		6.29	20	40 - 140
Di-n-octylphthalate	50.0	46.7	93.5		12.6	20	40 - 140
1,2-Diphenylhydrazine/Azobenzene	50.0	41.9	83.8		11.5	20	40 - 140
Fluoranthene	50.0	39.5	78.9		9.45	20	40 - 140
Fluorene	50.0	38.0	75.9		7.51	20	40 - 140
Hexachlorobenzene	50.0	39.9	79.8		7.49	20	40 - 140
Hexachlorobutadiene	50.0	27.9	55.9		0.393	20	40 - 140
Hexachlorocyclopentadiene	50.0	28.3	56.5		2.98	50	30 - 140
Hexachloroethane	50.0	25.0	49.9		3.01	50	40 - 140
Indeno(1,2,3-cd)pyrene	50.0	35.8	71.5		5.81	50	40 - 140
Isophorone	50.0	39.4	78.7		6.78	20	40 - 140
1-Methylnaphthalene	50.0	32.1	64.3		6.29	20	40 - 140
2-Methylnaphthalene	50.0	36.5	73.0		5.06	20	40 - 140
2-Methylphenol	50.0	30.2	60.4		2.69	20	30 - 130
3/4-Methylphenol	50.0	29.5	58.9		2.58	20	30 - 130
Naphthalene	50.0	31.2	62.5		3.19	20	40 - 140
2-Nitroaniline	50.0	41.1	82.2		8.02	20	40 - 140
3-Nitroaniline	50.0	42.7	85.4		3.89	20	40 - 140
4-Nitroaniline	50.0	41.3	82.6		4.61	20	40 - 140
Nitrobenzene	50.0	33.0	65.9		4.06	20	40 - 140
2-Nitrophenol	50.0	32.5	65.1		5.20	20	30 - 130
4-Nitrophenol	50.0	20.4	40.9		2.48	50	10 - 130
N-Nitrosodimethylamine	50.0	19.7	39.3	*	0.204	20	40 - 140
N-Nitrosodiphenylamine/Diphenylamine	50.0	40.1	80.2		9.64	20	40 - 140
N-Nitrosodi-n-propylamine	50.0	35.3	70.6		6.68	20	40 - 140
Pentachloronitrobenzene	50.0	40.9	81.8		10.7	20	40 - 140
Pentachlorophenol	50.0	34.0	68.1		6.30	50	30 - 130
Phenanthrene	50.0	39.4	78.7		9.11	20	40 - 140
Phenol	50.0	14.2	28.4		1.63	20	20 - 130
Pyrene	50.0	39.1	78.2		7.62	20	40 - 140
Pyridine	50.0	11.7	23.5		14.0	50	10 - 140
1,2,4,5-Tetrachlorobenzene	50.0	33.2	66.3		4.63	20	40 - 140

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Preparation:	SW-846 3546
Batch:	B297690	Laboratory ID:	B297690-BS1
Column:		Initial/Final:	30 g / 1 mL

ANALYTE	SPIKE ADDED (mg/Kg wet)	LCS CONCENTRATION (mg/Kg wet)	LCS % REC.		QC LIMITS REC.
Acenaphthene	1.67	1.33	79.9		40 - 140
Acenaphthylene	1.67	1.42	85.3		40 - 140
Acetophenone	1.67	1.24	74.3		40 - 140
Aniline	1.67	1.37	82.4		10 - 140
Anthracene	1.67	1.46	87.3		40 - 140
Benzidine	1.67	2.67	160	*	40 - 140
Benzo(a)anthracene	1.67	1.38	82.9		40 - 140
Benzo(a)pyrene	1.67	1.47	88.4		40 - 140
Benzo(b)fluoranthene	1.67	1.36	81.6		40 - 140
Benzo(g,h,i)perylene	1.67	1.55	92.7		40 - 140
Benzo(k)fluoranthene	1.67	1.45	87.3		40 - 140
Benzoic Acid	1.67	0.885	53.1		30 - 130
Bis(2-chloroethoxy)methane	1.67	1.23	73.8		40 - 140
Bis(2-chloroethyl)ether	1.67	1.11	66.8		40 - 140
Bis(2-chloroisopropyl)ether	1.67	1.34	80.2		40 - 140
Bis(2-Ethylhexyl)phthalate	1.67	1.31	78.3		40 - 140
4-Bromophenylphenylether	1.67	1.25	74.8		40 - 140
Butylbenzylphthalate	1.67	1.27	76.4		40 - 140
Carbazole	1.67	1.55	93.0		40 - 140
4-Chloroaniline	1.67	1.50	89.8		10 - 140
4-Chloro-3-methylphenol	1.67	1.32	79.3		30 - 130
2-Chloronaphthalene	1.67	1.27	76.3		40 - 140
2-Chlorophenol	1.67	1.16	69.6		30 - 130
4-Chlorophenylphenylether	1.67	1.28	76.9		40 - 140
Chrysene	1.67	1.36	81.6		40 - 140
Dibenz(a,h)anthracene	1.67	1.54	92.6		40 - 140
Dibenzofuran	1.67	1.50	89.8		40 - 140
Di-n-butylphthalate	1.67	1.34	80.3		40 - 140
1,2-Dichlorobenzene	1.67	1.14	68.3		40 - 140
1,3-Dichlorobenzene	1.67	1.10	65.7		40 - 140
1,4-Dichlorobenzene	1.67	1.11	66.6		40 - 140
3,3-Dichlorobenzidine	1.67	1.51	90.6		20 - 140
2,4-Dichlorophenol	1.67	1.26	75.9		30 - 130
Diethylphthalate	1.67	1.30	77.8		40 - 140
2,4-Dimethylphenol	1.67	1.15	69.2		30 - 130
Dimethylphthalate	1.67	1.30	78.0		40 - 140
4,6-Dinitro-2-methylphenol	1.67	1.25	75.0		30 - 130

6 - FORM VI
INITIAL CALIBRATION DATA SHEET (Continued)

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Calibration:	2100405	Instrument:	GCMSSV3
		Calibration Date:	8/9/2021 1:02:28PM

COMPOUND	Mean RF	RF RSD	Linear r^2	Quad COD	LIMIT	Q
3,3-Dichlorobenzidine	0.4481813	3.2			20	
2,4-Dichlorophenol	0.3400486	4.2			20	
Diethylphthalate	1.357498	2.4			20	
2,4-Dimethylphenol	0.3723913	2.2			20	
Dimethylphthalate	1.39726	3.2			20	
4,6-Dinitro-2-methylphenol	0.125509	24.9	0.993		0.99	
2,4-Dinitrophenol	0.1337642	43.4			20	*
2,4-Dinitrotoluene	0.3914377	15.3			20	
2,6-Dinitrotoluene	0.2936506	10.4			20	
Di-n-octylphthalate	1.617403	5.2			20	
1,2-Diphenylhydrazine/Azobenzene	0.7691505	3.2			20	
Fluoranthene	1.355312	5.8			20	
Fluorene	1.447526	4.4			20	
Hexachlorobenzene	0.2094588	5.9			20	
Hexachlorobutadiene	0.1967159	3.7			20	
Hexachlorocyclopentadiene	0.3574124	8.1			20	
Hexachloroethane	0.6667921	3.1			20	
Indeno(1,2,3-cd)pyrene	1.003458	7.7			20	
Isophorone	0.7193229	2.4			20	
1-Methylnaphthalene	0.8130001	1.7			20	
2-Methylnaphthalene	0.7126269	5.2			20	
2-Methylphenol	1.453007	3.0			20	
3/4-Methylphenol	1.700931	4.5			20	
Naphthalene	1.129737	4.0			20	
2-Nitroaniline	0.3294101	7.1			20	
3-Nitroaniline	0.3260632	6.5			20	
4-Nitroaniline	0.3627656	7.7			20	
Nitrobenzene	0.4120177	2.4			20	
2-Nitrophenol	0.2019205	8.9			20	
4-Nitrophenol	0.1821592	10.4			20	
N-Nitrosodimethylamine	0.5390103	2.5			20	

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\2\DATA\B110621\
Data File : B21S310011.D
Acq On : 6 Nov 2021 2:03 pm
Operator : BGL
Sample : ICV 50 ppm 2111141 Inst : GCMSSV2
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 08 15:05:06 2021
Quant Method : C:\MSDChem\2\METHODS\BN211061.M
Quant Title : 625/8270 SVMS2 (B) wool/split pulse PAHs at 2ppm
QLast Update : Mon Nov 08 15:02:48 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	4.799	196	47599	47.48	ug/ml	99
42) 2-ChloroNaphthalene	4.908	162	137319	39.35	ug/ml	96
43) 2-Nitroaniline	4.960	65	49813	56.56	ug/ml	85
44) DIMETHYL PHTHALATE	5.060	163	149402	44.22	ug/ml	99
45) 2,6-DinitroToluene	5.103	165	35834	49.52	ug/ml	97
46) Acenaphthylene	5.165	152	218933	46.85	ug/ml	100
47) 3-Nitroaniline	5.212	138	32488	42.07	ug/ml	100
48) Acenaphthene	5.271	154	134318	44.20	ug/ml	99
49) 2,4-Dinitrophenol	5.274	184	17753	41.41	ug/ml	97
50) 4-Nitrophenol	5.308	109	19903	44.51	ug/ml	98
51) Dibenzofuran	5.376	168	194334	49.14	ug/ml	98
52) 2,4-Dinitrotoluene	5.355	165	46830	49.24	ug/ml	97
53) DIETHYL PHTHALATE	5.494	149	141771	43.87	ug/ml	99
54) 4-Chlorophenyl phenyl ...	5.578	204	68612	43.90	ug/ml	99
55) Flourene	5.591	166	159663	47.75	ug/ml	99
56) 4-Nitroaniline	5.591	138	43894	51.00	ug/ml	96
58) 4,6-Dinitro-2-Methylph...	5.609	198	24312	44.81	ug/ml	98
59) N-Nitrosodiphenylamine	5.650	169	129366	45.40	ug/ml	99
60) 1,2-Diphenylhydrazine	5.678	77	157096	46.69	ug/ml	100
61) 4-Bromophenyl phenyl e...	5.886	248	39552	41.86	ug/ml	99
62) Hexachlorobenzene	5.935	284	45341	45.99	ug/ml	97
63) Pentachlorophenol	6.056	266	28948	44.37	ug/ml	99
64) Pentachloronitrobenzene	6.063	295	7932	47.09	ug/ml	93
65) Phenanthrene	6.199	178	220355	45.78	ug/ml	99
66) Anthracene	6.230	178	225746	45.87	ug/ml	100
67) Carbazole	6.330	167	215782	46.16	ug/ml	99
68) Di-N-Butyl Phthalate	6.547	149	253162	45.23	ug/ml	100
69) Flouranthene	7.097	202	237555	47.28	ug/ml	100
72) Benzidine	7.196	184	72403	74.89	ug/ml	98
73) Pyrene	7.314	202	244257	44.93	ug/ml	99
74) Butylbenzyl phthalate	7.997	149	112647	43.71	ug/ml	100
75) 3,3'-Dichlorobenzidine	8.748	252	63748	42.60	ug/ml	97
76) Benzo(a)anthracene	8.792	228	222852	43.70	ug/ml	99
77) Chrysene	8.848	228	220603	45.26	ug/ml	100
78) Bis(2-ethylhexyl)phtha...	8.848	149	157829	45.01	ug/ml	100
80) Di-n-octylphthalate	10.049	149	268562	46.06	ug/ml	99
81) Benzo(b)fluoranthene	10.708	252	229726	46.70	ug/ml	99
82) Benzo(k)fluoranthene	10.763	252	220920	49.72	ug/ml	99
83) Benzo(a)pyrene	11.360	252	215488	48.18	ug/ml	100
84) Indeno(1,2,3-cd)pyrene	13.353	276	198490	46.63	ug/ml	99
85) Dibenz(a,h)anthracene	13.403	278	199466	45.68	ug/ml	99
86) Benzo(g,h,i)perylene	13.775	276	212181	44.41	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\D111521\
Data File : D21S319011.D
Acq On : 15 Nov 2021 1:45 pm
Operator : BGL
Sample : ICV 50 ppm 2111141 Inst : GCMSSV4
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 20 14:24:44 2021
Quant Method : C:\msdchem\1\METHODS\BND11151.M
DataAcq Meth:BND11151.M
Quant Title : 8270/625 SVMS4 (d)C+D (split /WOOL
QLast Update : Sat Nov 20 14:23:52 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 2,4,5-Trichlorophenol	4.753	196	147061	48.45	ug/ml	100
42) 2-ChloroNaphthalene	4.864	162	409979	42.37	ug/ml	100
43) 2-Nitroaniline	4.915	65	129425	57.11	ug/ml	86
44) DIMETHYL PHTHALATE	5.021	163	427150	44.24	ug/ml	100
45) 2,6-DinitroToluene	5.062	165	100403	49.48	ug/ml	98
46) Acenaphthylene	5.124	152	625901	47.49	ug/ml	100
47) 3-Nitroaniline	5.168	138	85254	41.24	ug/ml	99
48) Acenaphthene	5.229	154	373330	45.14	ug/ml	99
49) 2,4-Dinitrophenol	5.232	184	52356	41.06	ug/ml#	89
50) 4-Nitrophenol	5.260	109	52340	41.67	ug/ml	98
51) Dibenzofuran	5.335	168	540700	49.50	ug/ml	100
52) 2,4-Dinitrotoluene	5.312	165	132078	47.88	ug/ml	99
53) DIETHYL PHTHALATE	5.456	149	417832	43.91	ug/ml	100
54) 4-Chlorophenyl phenyl ...	5.538	204	211924	44.83	ug/ml	99
55) Flourene	5.549	166	424446	47.10	ug/ml	100
56) 4-Nitroaniline	5.551	138	110396	48.79	ug/ml	97
58) 4,6-Dinitro-2-Methylph...	5.567	198	68336	44.23	ug/ml	97
59) N-Nitrosodiphenylamine	5.610	169	353311	47.77	ug/ml	100
60) 1,2-Diphenylhydrazine	5.639	77	404073	47.59	ug/ml	99
61) 4-Bromophenyl phenyl e...	5.847	248	127237	44.39	ug/ml	99
62) Hexachlorobenzene	5.894	284	148730	49.31	ug/ml	99
63) Pentachlorophenol	6.015	266	92618	42.07	ug/ml	99
64) Pentachloronitrobenzene	6.022	295	25953	47.60	ug/ml	98
65) Phenanthrene	6.156	178	600009	46.58	ug/ml	100
66) Anthracene	6.190	178	613616	46.90	ug/ml	100
67) Carbazole	6.288	167	564586	45.09	ug/ml	100
68) Di-N-Butyl Phthalate	6.504	149	703474	43.57	ug/ml	100
69) Flouranthene	7.039	202	650915	45.61	ug/ml	99
72) Benzidine	7.140	184	199559	78.65	ug/ml	99
73) Pyrene	7.251	202	674831	48.24	ug/ml	100
74) Butylbenzyl phthalate	7.923	149	302210	44.09	ug/ml	99
75) 3,3'-Dichlorobenzidine	8.651	252	163588	36.75	ug/ml	98
76) Benzo(a)anthracene	8.692	228	605517	44.51	ug/ml	100
77) Chrysene	8.744	228	596628	46.50	ug/ml	100
78) Bis(2-ethylhexyl)phtha...	8.754	149	425661	44.44	ug/ml	100
80) Di-n-octylphthalate	9.926	149	743096	41.35	ug/ml	99
81) Benzo(b)fluoranthene	10.557	252	657460	45.52	ug/ml	100
82) Benzo(k)fluoranthene	10.611	252	623131	48.86	ug/ml	99
83) Benzo(a)pyrene	11.193	252	611000	48.92	ug/ml	100
84) Indeno(1,2,3-cd)pyrene	13.193	276	537986	49.59	ug/ml	99
85) Dibenz(a,h)anthracene	13.242	278	553810	49.22	ug/ml	99
86) Benzo(g,h,i)perylene	13.602	276	562542	47.85	ug/ml	99

U35 158%

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSSV3	Calibration:	2100405
Lab File ID:	C2135302.D	Calibration Date:	08/09/21 13:02
Sequence:	S066602	Injection Date:	12/19/21
Lab Sample ID:	S066602-CCV1	Injection Time:	10:02

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	49.4	1.291464	1.274918		-1.3	20	
Acenaphthylene	A	50.0	52.8	1.917854	2.025032		5.6	20	
Acetophenone	A	50.0	44.8	2.274417	2.040035		-10.3	20	
Aniline	A	50.0	41.3	0.7491913	0.6186186		-17.4	20	
Anthracene	A	50.0	50.4	1.222334	1.230874		0.7	20	
Benzidine	A	50.0	28.5	0.3638285	0.2076332		-42.9	20	*
Benzo(a)anthracene	A	50.0	50.8	1.425846	1.448419		1.6	20	
Benzo(a)pyrene	A	50.0	51.8	1.257885	1.302812		3.6	20	
Benzo(b)fluoranthene	A	50.0	51.5	1.435398	1.479392		3.1	20	
Benzo(g,h,i)perylene	A	50.0	53.5	1.053208	1.12727		7.0	20	
Benzo(k)fluoranthene	A	50.0	52.4	1.273428	1.333558		4.7	20	
Benzoic Acid	A	50.0	48.2	0.223301	0.2152433		-3.6	20	
Bis(2-chloroethoxy)methane	A	50.0	46.5	0.4473713	0.4163861		-6.9	20	
Bis(2-chloroethyl)ether	A	50.0	54.8	0.9594565	1.05113		9.6	20	
Bis(2-chloroisopropyl)ether	A	50.0	61.5	1.255305	1.54514		23.1	20	*
Bis(2-Ethylhexyl)phthalate	A	50.0	62.0	0.8619078	1.069196		24.0	20	*
4-Bromophenylphenylether	A	50.0	47.6	0.2153665	0.2048291		-4.9	20	
Butylbenzylphthalate	A	50.0	55.7	0.6527548	0.7275355		11.5	20	
Carbazole	A	50.0	52.7	1.158027	1.219675		5.3	20	
4-Chloroaniline	A	50.0	41.7	0.4638523	0.3866072		-16.7	20	
4-Chloro-3-methylphenol	A	50.0	46.1	0.3504247	0.3230738		-7.8	20	
2-Chloronaphthalene	A	50.0	56.5	1.443559	1.631415		13.0	20	
2-Chlorophenol	A	50.0	48.8	1.619137	1.5786		-2.5	20	
4-Chlorophenylphenylether	A	50.0	45.1	0.7195952	0.6487408		-9.8	20	
Chrysene	A	50.0	50.6	1.363681	1.379298		1.1	20	
Dibenz(a,h)anthracene	A	50.0	55.2	1.052252	1.162254		10.5	20	
Dibenzofuran	A	50.0	49.4	1.72688	1.707119		-1.1	20	
Di-n-butylphthalate	A	50.0	55.1	1.343575	1.480124		10.2	20	
1,2-Dichlorobenzene	A	50.0	48.8	1.635689	1.596159		-2.4	20	
1,3-Dichlorobenzene	A	50.0	49.0	1.693139	1.658242		-2.1	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSSV3	Calibration:	2100405
Lab File ID:	C2135302.D	Calibration Date:	08/09/21 13:02
Sequence:	S066602	Injection Date:	12/19/21
Lab Sample ID:	S066602-CCV1	Injection Time:	10:02

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	50.0	49.6	1.730594	1.716991		-0.8	20	
3,3-Dichlorobenzidine	A	50.0	51.8	0.4481813	0.4644805		3.6	20	
2,4-Dichlorophenol	A	50.0	44.1	0.3400486	0.3002137		-11.7	20	
Diethylphthalate	A	50.0	46.7	1.357498	1.26685		-6.7	20	
2,4-Dimethylphenol	A	50.0	47.7	0.3723913	0.3552234		-4.6	20	
Dimethylphthalate	A	50.0	49.4	1.39726	1.38201		-1.1	20	
4,6-Dinitro-2-methylphenol	L	50.0	44.5	0.125509	0.1190334		-10.9	20	
2,4-Dinitrophenol	A	50.0	43.5	0.1337642	0.1164674		-12.9	20	
2,4-Dinitrotoluene	A	50.0	54.2	0.3914377	0.4241806		8.4	20	
2,6-Dinitrotoluene	A	50.0	55.8	0.2936506	0.3276692		11.6	20	
Di-n-octylphthalate	A	50.0	57.5	1.617403	1.860307		15.0	20	
1,2-Diphenylhydrazine/Azobenzene	A	50.0	45.4	0.7691505	0.6977272		-9.3	20	
Fluoranthene	A	50.0	49.7	1.355312	1.346007		-0.7	20	
Fluorene	A	50.0	48.7	1.447526	1.409462		-2.6	20	
Hexachlorobenzene	A	50.0	48.1	0.2094588	0.201443		-3.8	20	
Hexachlorobutadiene	A	50.0	41.4	0.1967159	0.1627203		-17.3	20	
Hexachlorocyclopentadiene	A	50.0	20.9	0.3574124	0.1492166		-58.3	20	*
Hexachloroethane	A	50.0	45.1	0.6667921	0.6019599		-9.7	20	
Indeno(1,2,3-cd)pyrene	A	50.0	55.4	1.003458	1.111752		10.8	20	
Isophorone	A	50.0	44.7	0.7193229	0.64281		-10.6	20	
1-Methylnaphthalene	A	50.0	46.8	0.8130001	0.7607035		-6.4	20	
2-Methylnaphthalene	A	50.0	51.7	0.7126269	0.7368881		3.4	20	
2-Methylphenol	A	50.0	48.4	1.453007	1.406243		-3.2	20	
3/4-Methylphenol	A	100	97.3	1.700931	1.654505		-2.7	20	
Naphthalene	A	50.0	49.3	1.129737	1.114844		-1.3	20	
2-Nitroaniline	A	50.0	53.6	0.3294101	0.3527724		7.1	20	
3-Nitroaniline	A	50.0	52.0	0.3260632	0.3388216		3.9	20	
4-Nitroaniline	A	50.0	46.1	0.3627656	0.3347228		-7.7	20	
Nitrobenzene	A	50.0	44.1	0.4120177	0.3634957		-11.8	20	
2-Nitrophenol	A	50.0	54.5	0.2019205	0.2200737		9.0	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSSV4	Calibration:	2100489
Lab File ID:	D21S357003.D	Calibration Date:	11/15/21 09:24
Sequence:	S066849	Injection Date:	12/23/21
Lab Sample ID:	S066849-CCV1	Injection Time:	08:14

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	49.4	1.279072	1.263064		-1.3	20	
Acenaphthylene	A	50.0	48.9	2.038341	1.993212		-2.2	20	
Acetophenone	A	50.0	47.8	1.860803	1.778924		-4.4	20	
Aniline	A	50.0	46.5	0.6178562	0.5745923		-7.0	20	
Anthracene	A	50.0	47.4	1.134335	1.074184		-5.3	20	
Benzidine	A	50.0	29.4	0.2545772	0.1498154		-41.2	20	*
Benzo(a)anthracene	A	50.0	47.3	1.365081	1.290859		-5.4	20	
Benzo(a)pyrene	A	50.0	47.1	1.202934	1.132657		-5.8	20	
Benzo(b)fluoranthene	A	50.0	46.2	1.391301	1.285115		-7.6	20	
Benzo(g,h,i)perylene	A	50.0	49.1	1.132473	1.111611		-1.8	20	
Benzo(k)fluoranthene	A	50.0	46.9	1.228391	1.152313		-6.2	20	
Benzoic Acid	A	50.0	53.9	0.2429138	0.2616632		7.7	20	
Bis(2-chloroethoxy)methane	A	50.0	45.8	0.4549927	0.4172299		-8.3	20	
Bis(2-chloroethyl)ether	A	50.0	45.6	1.112105	1.013201		-8.9	20	
Bis(2-chloroisopropyl)ether	A	50.0	46.9	1.722031	1.615853		-6.2	20	
Bis(2-Ethylhexyl)phthalate	A	50.0	48.0	0.9610675	0.9234261		-3.9	20	
4-Bromophenylphenylether	A	50.0	45.9	0.2484782	0.2279765		-8.3	20	
Butylbenzylphthalate	A	50.0	47.3	0.6876904	0.6508461		-5.4	20	
Carbazole	A	50.0	46.8	1.085675	1.017249		-6.3	20	
4-Chloroaniline	A	50.0	53.6	0.3461362	0.3712091		7.2	20	
4-Chloro-3-methylphenol	A	50.0	47.4	0.3448258	0.3267849		-5.2	20	
2-Chloronaphthalene	A	50.0	47.4	1.496518	1.417061		-5.3	20	
2-Chlorophenol	A	50.0	46.6	1.548503	1.444455		-6.7	20	
4-Chlorophenylphenylether	A	50.0	46.2	0.7310445	0.6762598		-7.5	20	
Chrysene	A	50.0	47.2	1.287393	1.21551		-5.6	20	
Dibenz(a,h)anthracene	A	50.0	50.9	1.083789	1.102548		1.7	20	
Dibenzofuran	A	50.0	49.8	1.689253	1.683228		-0.4	20	
Di-n-butylphthalate	A	50.0	46.1	1.399767	1.289406		-7.9	20	
1,2-Dichlorobenzene	A	50.0	48.7	1.549714	1.508308		-2.7	20	
1,3-Dichlorobenzene	A	50.0	48.8	1.657805	1.619727		-2.3	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSSV2	Calibration:	2100480
Lab File ID:	B2136303.D	Calibration Date:	11/06/21 09:26
Sequence:	S066928	Injection Date:	12/29/21
Lab Sample ID:	S066928-CCV1	Injection Time:	09:20

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	50.0	1.283255	1.284637		0.1	20	
Acenaphthylene	A	50.0	52.7	1.97299	2.079196		5.4	20	
Acetophenone	A	50.0	54.3	2.036761	2.210571		8.5	20	
Aniline	A	50.0	51.9	0.6454032	0.6695341		3.7	20	
Anthracene	A	50.0	48.5	1.233917	1.197498		-3.0	20	
Benzidine	A	50.0	29.2	0.265047	0.1550106		-41.5	20	*
Benzo(a)anthracene	A	50.0	49.0	1.398112	1.368834		-2.1	20	
Benzo(a)pyrene	A	50.0	50.3	1.240237	1.248006		0.6	20	
Benzo(b)fluoranthene	A	50.0	49.3	1.364221	1.344762		-1.4	20	
Benzo(g,h,i)perylene	A	50.0	49.8	1.324962	1.32105		-0.3	20	
Benzo(k)fluoranthene	A	50.0	50.5	1.232134	1.245068		1.0	20	
Benzoic Acid	A	50.0	61.7	0.2124461	0.262097		23.4	20	*
Bis(2-chloroethoxy)methane	A	50.0	51.8	0.4487871	0.4644899		3.5	20	
Bis(2-chloroethyl)ether	A	50.0	53.4	1.100408	1.175298		6.8	20	
Bis(2-chloroisopropyl)ether	A	50.0	55.0	1.971151	2.170093		10.1	20	
Bis(2-Ethylhexyl)phthalate	A	50.0	55.0	0.9613492	1.056639		9.9	20	
4-Bromophenylphenylether	A	50.0	46.3	0.2368895	0.2192812		-7.4	20	
Butylbenzylphthalate	A	50.0	53.4	0.7065745	0.7550692		6.9	20	
Carbazole	A	50.0	48.6	1.171991	1.139825		-2.7	20	
4-Chloroaniline	A	50.0	58.4	0.3772993	0.4406516		16.8	20	
4-Chloro-3-methylphenol	A	50.0	51.4	0.3420029	0.3515469		2.8	20	
2-Chloronaphthalene	A	50.0	49.5	1.473622	1.459567		-1.0	20	
2-Chlorophenol	A	50.0	52.0	1.596788	1.661646		4.1	20	
4-Chlorophenylphenylether	A	50.0	47.2	0.6598723	0.6229653		-5.6	20	
Chrysene	A	50.0	49.7	1.336301	1.329202		-0.5	20	
Dibenz(a,h)anthracene	A	50.0	51.5	1.210857	1.246599		3.0	20	
Dibenzofuran	A	50.0	51.1	1.669834	1.705563		2.1	20	
Di-n-butylphthalate	A	50.0	51.1	1.403395	1.433642		2.2	20	
1,2-Dichlorobenzene	A	50.0	50.6	1.604732	1.623484		1.2	20	
1,3-Dichlorobenzene	A	50.0	50.8	1.670364	1.697547		1.6	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSSV4	Calibration:	2100489
Lab File ID:	D21S363002.D	Calibration Date:	11/15/21 09:24
Sequence:	S066949	Injection Date:	12/29/21
Lab Sample ID:	S066949-CCV1	Injection Time:	09:24

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	54.9	1.279072	1.405237		9.9	20	
Acenaphthylene	A	50.0	54.2	2.038341	2.21039		8.4	20	
Acetophenone	A	50.0	50.9	1.860803	1.893885		1.8	20	
Aniline	A	50.0	48.8	0.6178562	0.6028748		-2.4	20	
Anthracene	A	50.0	52.9	1.134335	1.201094		5.9	20	
Benzidine	A	50.0	20.8	0.2545772	0.1056532		-58.5	20	*
Benzo(a)anthracene	A	50.0	52.4	1.365081	1.431257		4.8	20	
Benzo(a)pyrene	A	50.0	52.6	1.202934	1.266452		5.3	20	
Benzo(b)fluoranthene	A	50.0	52.9	1.391301	1.471041		5.7	20	
Benzo(g,h,i)perylene	A	50.0	56.9	1.132473	1.288091		13.7	20	
Benzo(k)fluoranthene	A	50.0	52.8	1.228391	1.296153		5.5	20	
Benzoic Acid	A	50.0	59.1	0.2429138	0.2872415		18.2	20	
Bis(2-chloroethoxy)methane	A	50.0	48.2	0.4549927	0.4389713		-3.5	20	
Bis(2-chloroethyl)ether	A	50.0	52.7	1.112105	1.171442		5.3	20	
Bis(2-chloroisopropyl)ether	A	50.0	50.4	1.722031	1.737307		0.9	20	
Bis(2-Ethylhexyl)phthalate	A	50.0	50.3	0.9610675	0.9660449		0.5	20	
4-Bromophenylphenylether	A	50.0	46.2	0.2484782	0.2297573		-7.5	20	
Butylbenzylphthalate	A	50.0	49.7	0.6876904	0.6831378		-0.7	20	
Carbazole	A	50.0	55.4	1.085675	1.203404		10.8	20	
4-Chloroaniline	A	50.0	59.6	0.3461362	0.4123548		19.1	20	
4-Chloro-3-methylphenol	A	50.0	51.9	0.3448258	0.3578957		3.8	20	
2-Chloronaphthalene	A	50.0	51.4	1.496518	1.53697		2.7	20	
2-Chlorophenol	A	50.0	48.9	1.548503	1.514358		-2.2	20	
4-Chlorophenylphenylether	A	50.0	50.3	0.7310445	0.7348369		0.5	20	
Chrysene	A	50.0	52.3	1.287393	1.345688		4.5	20	
Dibenz(a,h)anthracene	A	50.0	57.7	1.083789	1.250515		15.4	20	
Dibenzofuran	A	50.0	56.2	1.689253	1.898349		12.4	20	
Di-n-butylphthalate	A	50.0	51.5	1.399767	1.442916		3.1	20	
1,2-Dichlorobenzene	A	50.0	51.5	1.549714	1.595719		3.0	20	
1,3-Dichlorobenzene	A	50.0	50.8	1.657805	1.68312		1.5	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSSV4	Calibration:	2100489
Lab File ID:	D21S363002.D	Calibration Date:	11/15/21 09:24
Sequence:	S066949	Injection Date:	12/29/21
Lab Sample ID:	S066949-CCV1	Injection Time:	09:24

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	50.0	51.3	1.668181	1.710062		2.5	20	
3,3-Dichlorobenzidine	A	50.0	55.0	0.4465764	0.4909416		9.9	20	
2,4-Dichlorophenol	A	50.0	49.0	0.3627697	0.3558028		-1.9	20	
Diethylphthalate	A	50.0	51.4	1.471633	1.512905		2.8	20	
2,4-Dimethylphenol	A	50.0	48.7	0.3804426	0.3704405		-2.6	20	
Dimethylphthalate	A	50.0	51.3	1.493172	1.532102		2.6	20	
4,6-Dinitro-2-methylphenol	L	50.0	49.5	0.1339462	0.1326338		-1.0	20	
2,4-Dinitrophenol	A	50.0	52.7	0.1972109	0.2078531		5.4	20	
2,4-Dinitrotoluene	A	50.0	58.9	0.426591	0.5026618		17.8	20	
2,6-Dinitrotoluene	A	50.0	56.6	0.3138088	0.3552714		13.2	20	
Di-n-octylphthalate	A	50.0	49.0	1.730941	1.697709		-1.9	20	
1,2-Diphenylhydrazine/Azobenzene	A	50.0	49.0	0.7361253	0.7217247		-2.0	20	
Fluoranthene	A	50.0	58.6	1.237223	1.449224		17.1	20	
Fluorene	A	50.0	55.6	1.393705	1.548412		11.1	20	
Hexachlorobenzene	A	50.0	50.8	0.261478	0.265827		1.7	20	
Hexachlorobutadiene	A	50.0	49.7	0.211547	0.2101555		-0.7	20	
Hexachlorocyclopentadiene	A	50.0	42.4	0.4425493	0.3756617		-15.1	20	
Hexachloroethane	A	50.0	50.4	0.6054451	0.6105785		0.8	20	
Indeno(1,2,3-cd)pyrene	A	50.0	57.8	1.045058	1.207427		15.5	20	
Isophorone	A	50.0	52.7	0.6914678	0.7283286		5.3	20	
1-Methylnaphthalene	A	50.0	50.7	0.7294341	0.7390481		1.3	20	
2-Methylnaphthalene	A	50.0	54.1	0.6641416	0.7189219		8.2	20	
2-Methylphenol	A	50.0	51.8	1.293329	1.33998		3.6	20	
3/4-Methylphenol	A	100	104	1.446688	1.501875		3.8	20	
Naphthalene	A	50.0	52.7	1.098356	1.158056		5.4	20	
2-Nitroaniline	A	50.0	62.8	0.3504804	0.4398325		25.5	20	*
3-Nitroaniline	A	50.0	64.0	0.3197508	0.4096221		28.1	20	*
4-Nitroaniline	A	50.0	64.5	0.3499665	0.4514741		29.0	20	*
Nitrobenzene	A	50.0	55.1	0.3925973	0.4328047		10.2	20	
2-Nitrophenol	A	50.0	50.4	0.2242911	0.2259683		0.7	20	

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CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSSV2	Calibration:	2100480
Lab File ID:	B21S363013.D	Calibration Date:	11/06/21 09:26
Sequence:	S066950	Injection Date:	12/29/21
Lab Sample ID:	S066950-CCV1	Injection Time:	14:22

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	51.0	1.283255	1.310272		2.1	20	
Acenaphthylene	A	50.0	49.7	1.97299	1.960002		-0.7	20	
Acetophenone	A	50.0	55.8	2.036761	2.273161		11.6	20	
Aniline	A	50.0	55.1	0.6454032	0.7115551		10.2	20	
Anthracene	A	50.0	47.7	1.233917	1.177357		-4.6	20	
Benzidine	A	50.0	35.5	0.265047	0.1881248		-29.0	20	*
Benzo(a)anthracene	A	50.0	49.3	1.398112	1.379489		-1.3	20	
Benzo(a)pyrene	A	50.0	50.4	1.240237	1.249061		0.7	20	
Benzo(b)fluoranthene	A	50.0	50.3	1.364221	1.373028		0.6	20	
Benzo(g,h,i)perylene	A	50.0	49.0	1.324962	1.29875		-2.0	20	
Benzo(k)fluoranthene	A	50.0	51.1	1.232134	1.26024		2.3	20	
Benzoic Acid	A	50.0	62.4	0.2124461	0.2650518		24.8	20	*
Bis(2-chloroethoxy)methane	A	50.0	52.4	0.4487871	0.4705643		4.9	20	
Bis(2-chloroethyl)ether	A	50.0	55.7	1.100408	1.224915		11.3	20	
Bis(2-chloroisopropyl)ether	A	50.0	57.7	1.971151	2.276347		15.5	20	
Bis(2-Ethylhexyl)phthalate	A	50.0	55.2	0.9613492	1.061206		10.4	20	
4-Bromophenylphenylether	A	50.0	43.6	0.2368895	0.206653		-12.8	20	
Butylbenzylphthalate	A	50.0	53.8	0.7065745	0.7609526		7.7	20	
Carbazole	A	50.0	46.7	1.171991	1.095303		-6.5	20	
4-Chloroaniline	A	50.0	58.3	0.3772993	0.4399253		16.6	20	
4-Chloro-3-methylphenol	A	50.0	51.0	0.3420029	0.3489003		2.0	20	
2-Chloronaphthalene	A	50.0	53.2	1.473622	1.568307		6.4	20	
2-Chlorophenol	A	50.0	52.1	1.596788	1.664561		4.2	20	
4-Chlorophenylphenylether	A	50.0	45.7	0.6598723	0.6026431		-8.7	20	
Chrysene	A	50.0	50.7	1.336301	1.354053		1.3	20	
Dibenz(a,h)anthracene	A	50.0	52.8	1.210857	1.278769		5.6	20	
Dibenzofuran	A	50.0	50.2	1.669834	1.677562		0.5	20	
Di-n-butylphthalate	A	50.0	49.2	1.403395	1.379522		-1.7	20	
1,2-Dichlorobenzene	A	50.0	51.9	1.604732	1.665758		3.8	20	
1,3-Dichlorobenzene	A	50.0	52.8	1.670364	1.762398		5.5	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSSV2	Calibration:	2100480
Lab File ID:	B21S363013.D	Calibration Date:	11/06/21 09:26
Sequence:	S066950	Injection Date:	12/29/21
Lab Sample ID:	S066950-CCV1	Injection Time:	14:22

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
4-Nitrophenol	A	50.0	45.9	0.1888247	0.1731929		-8.3	20	
N-Nitrosodimethylamine	A	50.0	60.5	0.6998156	0.8473437		21.1	20	*
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	38.4	0.7122516	0.6405889		-10.1	20	
N-Nitrosodi-n-propylamine	A	50.0	58.6	1.123064	1.316527		17.2	20	
Pentachloronitrobenzene	A	50.0	46.2	4.223792E-02	3.907166E-02		-7.5	20	
Pentachlorophenol	A	50.0	39.3	0.163567	0.1285489		-21.4	20	*
Phenanthrene	A	50.0	47.9	1.206728	1.155369		-4.3	20	
Phenol	A	50.0	54.4	1.978903	2.152288		8.8	20	
Pyrene	A	50.0	49.7	1.490497	1.48191		-0.6	20	
Pyridine	A	50.0	57.1	1.509227	1.724648		14.3	20	
1,2,4,5-Tetrachlorobenzene	A	50.0	44.6	0.6135379	0.5466261		-10.9	20	
1,2,4-Trichlorobenzene	A	50.0	51.1	0.3378972	0.3455679		2.3	20	
2,4,5-Trichlorophenol	A	50.0	48.7	0.4232874	0.4126066		-2.5	20	
2,4,6-Trichlorophenol	A	50.0	45.8	0.4289814	0.3929598		-8.4	20	
2-Fluorophenol	A	100	109	1.070214	1.167931		9.1		
Phenol-d6	A	100	115	1.653634	1.902854		15.1		
Nitrobenzene-d5	A	50.0	50.3	0.4232172	0.4259437		0.6		
2-Fluorobiphenyl	A	50.0	49.0	1.330155	1.303152		-2.0		
2,4,6-Tribromophenol	A	100	97.3	0.1778126	0.1730127		-2.7		
p-Terphenyl-d14	A	50.0	36.6	1.08188	0.792142		-26.8		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSSV4	Calibration:	2100489
Lab File ID:	D21S363015.D	Calibration Date:	11/15/21 09:24
Sequence:	S066963	Injection Date:	12/29/21
Lab Sample ID:	S066963-CCV1	Injection Time:	15:45

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	54.1	1.279072	1.384493		8.2	20	
Acenaphthylene	A	50.0	53.3	2.038341	2.173097		6.6	20	
Acetophenone	A	50.0	48.4	1.860803	1.799685		-3.3	20	
Aniline	A	50.0	48.3	0.6178562	0.5969421		-3.4	20	
Anthracene	A	50.0	52.8	1.134335	1.197559		5.6	20	
Benzidine	A	50.0	21.5	0.2545772	0.1092539		-57.1	20	*
Benzo(a)anthracene	A	50.0	52.4	1.365081	1.429741		4.7	20	
Benzo(a)pyrene	A	50.0	52.8	1.202934	1.269446		5.5	20	
Benzo(b)fluoranthene	A	50.0	53.5	1.391301	1.489711		7.1	20	
Benzo(g,h,i)perylene	A	50.0	56.3	1.132473	1.275475		12.6	20	
Benzo(k)fluoranthene	A	50.0	53.1	1.228391	1.303721		6.1	20	
Benzoic Acid	A	50.0	56.8	0.2429138	0.2757709		13.5	20	
Bis(2-chloroethoxy)methane	A	50.0	47.0	0.4549927	0.4273498		-6.1	20	
Bis(2-chloroethyl)ether	A	50.0	50.5	1.112105	1.123143		1.0	20	
Bis(2-chloroisopropyl)ether	A	50.0	47.5	1.722031	1.63739		-4.9	20	
Bis(2-Ethylhexyl)phthalate	A	50.0	49.0	0.9610675	0.9425807		-1.9	20	
4-Bromophenylphenylether	A	50.0	47.5	0.2484782	0.2359344		-5.0	20	
Butylbenzylphthalate	A	50.0	48.8	0.6876904	0.6707235		-2.5	20	
Carbazole	A	50.0	55.4	1.085675	1.202524		10.8	20	
4-Chloroaniline	A	50.0	60.3	0.3461362	0.417727		20.7	20	*
4-Chloro-3-methylphenol	A	50.0	50.8	0.3448258	0.3504964		1.6	20	
2-Chloronaphthalene	A	50.0	53.4	1.496518	1.598957		6.8	20	
2-Chlorophenol	A	50.0	48.6	1.548503	1.503917		-2.9	20	
4-Chlorophenylphenylether	A	50.0	49.4	0.7310445	0.7214921		-1.3	20	
Chrysene	A	50.0	52.1	1.287393	1.341841		4.2	20	
Dibenz(a,h)anthracene	A	50.0	58.0	1.083789	1.25813		16.1	20	
Dibenzofuran	A	50.0	54.7	1.689253	1.847295		9.4	20	
Di-n-butylphthalate	A	50.0	50.2	1.399767	1.405737		0.4	20	
1,2-Dichlorobenzene	A	50.0	51.3	1.549714	1.590768		2.6	20	
1,3-Dichlorobenzene	A	50.0	51.3	1.657805	1.700516		2.6	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSSV4	Calibration:	2100489
Lab File ID:	D21S364003.D	Calibration Date:	11/15/21 09:24
Sequence:	S067025	Injection Date:	12/30/21
Lab Sample ID:	S067025-CCV1	Injection Time:	08:04

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	55.0	1.279072	1.408257		10.1	20	
Acenaphthylene	A	50.0	54.2	2.038341	2.20822		8.3	20	
Acetophenone	A	50.0	52.3	1.860803	1.947821		4.7	20	
Aniline	A	50.0	53.7	0.6178562	0.6631009		7.3	20	
Anthracene	A	50.0	54.0	1.134335	1.224482		7.9	20	
Benzidine	A	50.0	24.2	0.2545772	0.1229961		-51.7	20	*
Benzo(a)anthracene	A	50.0	52.7	1.365081	1.439212		5.4	20	
Benzo(a)pyrene	A	50.0	53.0	1.202934	1.274948		6.0	20	
Benzo(b)fluoranthene	A	50.0	52.3	1.391301	1.455242		4.6	20	
Benzo(g,h,i)perylene	A	50.0	55.4	1.132473	1.25471		10.8	20	
Benzo(k)fluoranthene	A	50.0	53.0	1.228391	1.30187		6.0	20	
Benzoic Acid	A	50.0	67.1	0.2429138	0.3258716		34.2	20	*
Bis(2-chloroethoxy)methane	A	50.0	56.1	0.4549927	0.5105035		12.2	20	
Bis(2-chloroethyl)ether	A	50.0	56.0	1.112105	1.244504		11.9	20	
Bis(2-chloroisopropyl)ether	A	50.0	59.2	1.722031	2.037333		18.3	20	
Bis(2-Ethylhexyl)phthalate	A	50.0	52.7	0.9610675	1.012257		5.3	20	
4-Bromophenylphenylether	A	50.0	48.4	0.2484782	0.2406159		-3.2	20	
Butylbenzylphthalate	A	50.0	50.6	0.6876904	0.6953526		1.1	20	
Carbazole	A	50.0	57.1	1.085675	1.239086		14.1	20	
4-Chloroaniline	A	50.0	61.8	0.3461362	0.4277679		23.6	20	*
4-Chloro-3-methylphenol	A	50.0	53.8	0.3448258	0.3710443		7.6	20	
2-Chloronaphthalene	A	50.0	48.3	1.496518	1.446503		-3.3	20	
2-Chlorophenol	A	50.0	51.0	1.548503	1.578218		1.9	20	
4-Chlorophenylphenylether	A	50.0	48.8	0.7310445	0.7142892		-2.3	20	
Chrysene	A	50.0	53.2	1.287393	1.370764		6.5	20	
Dibenz(a,h)anthracene	A	50.0	56.6	1.083789	1.226336		13.2	20	
Dibenzofuran	A	50.0	53.3	1.689253	1.800016		6.6	20	
Di-n-butylphthalate	A	50.0	53.8	1.399767	1.504969		7.5	20	
1,2-Dichlorobenzene	A	50.0	52.1	1.549714	1.615372		4.2	20	
1,3-Dichlorobenzene	A	50.0	52.4	1.657805	1.738607		4.9	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSSV4	Calibration:	2100489
Lab File ID:	D21S364003.D	Calibration Date:	11/15/21 09:24
Sequence:	S067025	Injection Date:	12/30/21
Lab Sample ID:	S067025-CCV1	Injection Time:	08:04

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,4-Dichlorobenzene	A	50.0	52.6	1.668181	1.755327		5.2	20	
3,3-Dichlorobenzidine	A	50.0	55.8	0.4465764	0.4982985		11.6	20	
2,4-Dichlorophenol	A	50.0	50.6	0.3627697	0.3672476		1.2	20	
Diethylphthalate	A	50.0	49.5	1.471633	1.457938		-0.9	20	
2,4-Dimethylphenol	A	50.0	56.0	0.3804426	0.4257891		11.9	20	
Dimethylphthalate	A	50.0	50.9	1.493172	1.519462		1.8	20	
4,6-Dinitro-2-methylphenol	L	50.0	48.8	0.1339462	0.1307116		-2.4	20	
2,4-Dinitrophenol	A	50.0	51.1	0.1972109	0.2014639		2.2	20	
2,4-Dinitrotoluene	A	50.0	55.0	0.426591	0.4695547		10.1	20	
2,6-Dinitrotoluene	A	50.0	55.7	0.3138088	0.3493071		11.3	20	
Di-n-octylphthalate	A	50.0	51.7	1.730941	1.789407		3.4	20	
1,2-Diphenylhydrazine/Azobenzene	A	50.0	51.6	0.7361253	0.7595674		3.2	20	
Fluoranthene	A	50.0	57.2	1.237223	1.41652		14.5	20	
Fluorene	A	50.0	53.1	1.393705	1.479876		6.2	20	
Hexachlorobenzene	A	50.0	52.0	0.261478	0.2718568		4.0	20	
Hexachlorobutadiene	A	50.0	52.4	0.211547	0.2218518		4.9	20	
Hexachlorocyclopentadiene	A	50.0	43.3	0.4425493	0.3835067		-13.3	20	
Hexachloroethane	A	50.0	52.4	0.6054451	0.6347019		4.8	20	
Indeno(1,2,3-cd)pyrene	A	50.0	56.7	1.045058	1.185649		13.5	20	
Isophorone	A	50.0	61.2	0.6914678	0.8466101		22.4	20	*
1-Methylnaphthalene	A	50.0	51.5	0.7294341	0.7514157		3.0	20	
2-Methylnaphthalene	A	50.0	54.4	0.6641416	0.7227412		8.8	20	
2-Methylphenol	A	50.0	53.9	1.293329	1.393531		7.7	20	
3/4-Methylphenol	A	100	106	1.446688	1.527595		5.6	20	
Naphthalene	A	50.0	53.9	1.098356	1.184927		7.9	20	
2-Nitroaniline	A	50.0	62.2	0.3504804	0.4363461		24.5	20	*
3-Nitroaniline	A	50.0	63.9	0.3197508	0.4086722		27.8	20	*
4-Nitroaniline	A	50.0	58.4	0.3499665	0.4090875		16.9	20	
Nitrobenzene	A	50.0	67.0	0.3925973	0.5264276		34.1	20	*
2-Nitrophenol	A	50.0	59.9	0.2242911	0.2688026		19.8	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSSV2	Calibration:	2100480
Lab File ID:	B22S005002.D	Calibration Date:	11/06/21 09:26
Sequence:	S067128	Injection Date:	01/05/22
Lab Sample ID:	S067128-CCV1	Injection Time:	09:47

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.0	48.0	1.283255	1.232352		-4.0	20	
Acenaphthylene	A	50.0	49.6	1.97299	1.955265		-0.9	20	
Acetophenone	A	50.0	51.3	2.036761	2.091056		2.7	20	
Aniline	A	50.0	50.6	0.6454032	0.6524418		1.1	20	
Anthracene	A	50.0	48.7	1.233917	1.20127		-2.6	20	
Benzidine	A	50.0	29.9	0.265047	0.1585551		-40.2	20	*
Benzo(a)anthracene	A	50.0	49.5	1.398112	1.385122		-0.9	20	
Benzo(a)pyrene	A	50.0	49.4	1.240237	1.226511		-1.1	20	
Benzo(b)fluoranthene	A	50.0	48.9	1.364221	1.333201		-2.3	20	
Benzo(g,h,i)perylene	A	50.0	53.2	1.324962	1.411086		6.5	20	
Benzo(k)fluoranthene	A	50.0	49.5	1.232134	1.220406		-1.0	20	
Benzoic Acid	A	50.0	57.4	0.2124461	0.2438783		14.8	20	
Bis(2-chloroethoxy)methane	A	50.0	50.0	0.4487871	0.4487854		-0.0004	20	
Bis(2-chloroethyl)ether	A	50.0	52.5	1.100408	1.154912		5.0	20	
Bis(2-chloroisopropyl)ether	A	50.0	53.2	1.971151	2.097875		6.4	20	
Bis(2-Ethylhexyl)phthalate	A	50.0	51.8	0.9613492	0.9956882		3.6	20	
4-Bromophenylphenylether	A	50.0	44.8	0.2368895	0.2123212		-10.4	20	
Butylbenzylphthalate	A	50.0	50.7	0.7065745	0.7168149		1.4	20	
Carbazole	A	50.0	49.5	1.171991	1.161232		-0.9	20	
4-Chloroaniline	A	50.0	56.0	0.3772993	0.4222723		11.9	20	
4-Chloro-3-methylphenol	A	50.0	48.3	0.3420029	0.3305009		-3.4	20	
2-Chloronaphthalene	A	50.0	52.6	1.473622	1.548706		5.1	20	
2-Chlorophenol	A	50.0	49.5	1.596788	1.580547		-1.0	20	
4-Chlorophenylphenylether	A	50.0	47.7	0.6598723	0.6299188		-4.5	20	
Chrysene	A	50.0	50.3	1.336301	1.344829		0.6	20	
Dibenz(a,h)anthracene	A	50.0	54.9	1.210857	1.329534		9.8	20	
Dibenzofuran	A	50.0	50.8	1.669834	1.696831		1.6	20	
Di-n-butylphthalate	A	50.0	49.9	1.403395	1.400557		-0.2	20	
1,2-Dichlorobenzene	A	50.0	49.2	1.604732	1.580533		-1.5	20	
1,3-Dichlorobenzene	A	50.0	49.0	1.670364	1.637578		-2.0	20	

7 - FORM VII

CONTINUING CALIBRATION VERIFICATION

SW-846 8270E

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	GCMSSV2	Calibration:	2100480
Lab File ID:	B22S005002.D	Calibration Date:	11/06/21 09:26
Sequence:	S067128	Injection Date:	01/05/22
Lab Sample ID:	S067128-CCV1	Injection Time:	09:47

		CONC. (µg/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
4-Nitrophenol	A	50.0	57.1	0.1888247	0.2156053		14.2	20	
N-Nitrosodimethylamine	A	50.0	60.1	0.6998156	0.8417664		20.3	20	*
N-Nitrosodiphenylamine/Diphenylamine	A	42.8	38.6	0.7122516	0.6434653		-9.7	20	
N-Nitrosodi-n-propylamine	A	50.0	53.5	1.123064	1.2016		7.0	20	
Pentachloronitrobenzene	A	50.0	47.1	4.223792E-02	0.0398249		-5.7	20	
Pentachlorophenol	A	50.0	41.4	0.163567	0.1352864		-17.3	20	
Phenanthrene	A	50.0	48.0	1.206728	1.159068		-3.9	20	
Phenol	A	50.0	53.7	1.978903	2.12393		7.3	20	
Pyrene	A	50.0	48.2	1.490497	1.435845		-3.7	20	
Pyridine	A	50.0	57.0	1.509227	1.720704		14.0	20	
1,2,4,5-Tetrachlorobenzene	A	50.0	45.9	0.6135379	0.5632558		-8.2	20	
1,2,4-Trichlorobenzene	A	50.0	49.8	0.3378972	0.3367039		-0.4	20	
2,4,5-Trichlorophenol	A	50.0	49.1	0.4232874	0.4153216		-1.9	20	
2,4,6-Trichlorophenol	A	50.0	45.8	0.4289814	0.3924771		-8.5	20	
2-Fluorophenol	A	100	106	1.070214	1.136144		6.2		
Phenol-d6	A	100	110	1.653634	1.818653		10.0		
Nitrobenzene-d5	A	50.0	49.0	0.4232172	0.4146464		-2.0		
2-Fluorobiphenyl	A	50.0	47.1	1.330155	1.252546		-5.8		
2,4,6-Tribromophenol	A	100	100	0.1778126	0.1778546		0.02		
p-Terphenyl-d14	A	50.0	36.5	1.08188	0.7904011		-26.9		

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracu		Project:	Bomax Manufacturing Site	
Matrix:	Water	Laboratory ID:	B297130-BLK1	File ID:	C2135308.D
Sampled:		Prepared:	12/17/21 07:25	Analyzed:	12/19/21 12:55
Solids:		Preparation:	SW-846 3510C	Dilution:	
Batch:	B297130	Sequence:	S066602	Calibration:	2100405
Instrument:	GCMSSV3				
Column:	1				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
100-02-7	4-Nitrophenol		2.1	10	V-05
62-75-9	N-Nitrosodimethylamine		0.82	10	
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.40	10	
621-64-7	N-Nitrosodi-n-propylamine		0.53	10	
82-68-8	Pentachloronitrobenzene		0.64	10	
87-86-5	Pentachlorophenol		3.7	10	V-05
85-01-8	Phenanthrene		0.40	5.0	
108-95-2	Phenol		0.25	10	
129-00-0	Pyrene		0.47	5.0	
110-86-1	Pyridine		2.6	5.0	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.27	10	
120-82-1	1,2,4-Trichlorobenzene		0.24	5.0	
95-95-4	2,4,5-Trichlorophenol		0.46	10	
88-06-2	2,4,6-Trichlorophenol		0.41	10	

CAS NO.	TENTATIVELY IDENTIFIED COMPOUNDS	CONC. (µg/L)	Q
791-28-6	Triphenylphosphine oxide	8.3	

1 - FORM I
ANALYSIS DATA SHEET

Blank

Laboratory:	Con-Test, a Pace Analytical Laboratory			Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracu		Project:	Bomax Manufacturing Site	
Matrix:	Soil	Laboratory ID:	B297704-BLK1	File ID:	B21S363016.D
Sampled:		Prepared:	12/23/21 19:11	Analyzed:	12/29/21 15:46
Solids:		Preparation:	SW-846 3546	Dilution:	
Batch:	B297704	Sequence:	S066950	Calibration:	2100480
Instrument:	GCMSSV2				
Column:	1				

CAS NO.	COMPOUND	CONC. (mg/Kg wet)	MDL	RL	Q
100-02-7	4-Nitrophenol		0.14	0.66	
62-75-9	N-Nitrosodimethylamine		0.051	0.34	V-20
86-30-6	N-Nitrosodiphenylamine/Diphenylamine		0.051	0.34	
621-64-7	N-Nitrosodi-n-propylamine		0.047	0.34	
82-68-8	Pentachloronitrobenzene		0.057	0.34	
87-86-5	Pentachlorophenol		0.15	0.34	V-05
85-01-8	Phenanthrene		0.054	0.17	
108-95-2	Phenol		0.048	0.34	
129-00-0	Pyrene		0.054	0.17	
110-86-1	Pyridine		0.035	0.34	
95-94-3	1,2,4,5-Tetrachlorobenzene		0.044	0.34	
120-82-1	1,2,4-Trichlorobenzene		0.043	0.34	
95-95-4	2,4,5-Trichlorophenol		0.053	0.34	
88-06-2	2,4,6-Trichlorophenol		0.052	0.34	

CAS NO.	TENTATIVELY IDENTIFIED COMPOUNDS	CONC. (mg/Kg wet)	Q
002216-30-0	Heptane, 2,5-dimethyl-	0.21	
002240-47-3	Phosphine imide, P,P,P-trip...	0.91	B

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Con-Test, a Pace Analytical Laboratory
SDG: 21L1105
Client: NYDEC_Ramboll US Consulting, Inc. - Syracuse
Project: Bomax Manufacturing Site
Calibration: UNASSIGNED
Laboratory ID: S068615-LCV1
Sequence: S068615
Standard ID: 2110290

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Beryllium	0.00400	0.00438	9.5	30.00
Cadmium	0.00400	0.00408	2.0	30.00
Calcium	0.500	0.550	10.0	30.00
Cobalt	0.0100	0.00904	-9.6	30.00
Copper	0.0100	0.0101	1.0	30.00
Iron	0.0500	0.0440	-12.0	30.00
Lead	0.0100	0.0116	16.4	30.00
Magnesium	0.0500	0.0502	0.3	30.00
Manganese	0.0100	0.00946	-5.4	30.00
Nickel	0.0100	0.0104	4.1	30.00
Potassium	2.00	1.88	-5.8	30.00
Selenium	0.0500	0.0483	-3.3	30.00
Silver	0.0100	0.00936	-6.4	30.00
Sodium	2.00	1.88	-6.1	30.00
Thallium	0.0500	0.0452	-9.6	30.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Con-Test, a Pace Analytical Laboratory
SDG: 21L1105
Client: NYDEC_Ramboll US Consulting, Inc. - Syracuse
Project: Bomax Manufacturing Site
Calibration: UNASSIGNED
Laboratory ID: S068637-LCV1
Sequence: S068637
Standard ID: 2110290

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0400	-20.0	30.00
Antimony	0.0500	0.0432	-13.6	30.00
Barium	0.0500	0.0478	-4.4	30.00
Beryllium	0.00400	0.00409	2.4	30.00
Cadmium	0.00400	0.00378	-5.6	30.00
Calcium	0.500	0.494	-1.1	30.00
Chromium	0.0100	0.00868	-13.2	30.00
Cobalt	0.0100	0.00937	-6.3	30.00
Copper	0.0100	0.00960	-4.0	30.00
Iron	0.0500	0.0420	-15.9	30.00
Lead	0.0100	0.0115	14.5	30.00
Magnesium	0.0500	0.0489	-2.1	30.00
Manganese	0.0100	0.00969	-3.1	30.00
Nickel	0.0100	0.00944	-5.6	30.00
Potassium	2.00	1.88	-5.8	30.00
Selenium	0.0500	0.0423	-15.4	30.00
Silver	0.0100	0.00886	-11.4	30.00
Sodium	2.00	1.86	-6.8	30.00
Vanadium	0.0100	0.0103	3.3	30.00
Zinc	0.0100	0.00904	-9.6	30.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Con-Test, a Pace Analytical Laboratory
SDG: 21L1105
Client: NYDEC_Ramboll US Consulting, Inc. - Syracuse
Project: Bomax Manufacturing Site
Calibration: UNASSIGNED
Laboratory ID: S068638-LCV1
Sequence: S068638
Standard ID: 2110290

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Antimony	0.0500	0.0511	2.2	30.00
Arsenic	0.0100	0.00961	-3.9	30.00
Barium	0.0500	0.0534	6.8	30.00
Beryllium	0.00400	0.00447	11.9	30.00
Cadmium	0.00400	0.00438	9.4	30.00
Chromium	0.0100	0.0104	3.8	30.00
Cobalt	0.0100	0.0106	6.4	30.00
Copper	0.0100	0.0110	9.5	30.00
Iron	0.0500	0.0541	8.2	30.00
Lead	0.0100	0.0111	11.3	30.00
Magnesium	0.0500	0.0535	7.1	30.00
Manganese	0.0100	0.0108	8.2	30.00
Nickel	0.0100	0.0106	6.1	30.00
Potassium	2.00	1.95	-2.6	30.00
Selenium	0.0500	0.0475	-5.0	30.00
Silver	0.0100	0.0107	7.2	30.00
Sodium	2.00	2.04	2.2	30.00
Thallium	0.0500	0.0554	10.9	30.00
Vanadium	0.0100	0.0107	7.3	30.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Con-Test, a Pace Analytical Laboratory
SDG: 21L1105
Client: NYDEC_Ramboll US Consulting, Inc. - Syracuse
Project: Bomax Manufacturing Site
Calibration: UNASSIGNED
Laboratory ID: S068870-LCV1
Sequence: S068870
Standard ID: 2110290

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Aluminum	0.0500	0.0549	9.9	30.00
Zinc	0.0100	0.0119	18.8	30.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Con-Test, a Pace Analytical Laboratory
SDG: 21L1105
Client: NYDEC_Ramboll US Consulting, Inc. - Syracuse
Project: Bomax Manufacturing Site
Calibration: UNASSIGNED
Laboratory ID: S068870-LCV2
Sequence: S068870
Standard ID: 2203514

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Calcium	0.500	0.581	16.2	30.00

* Values outside of QC limits

LOW-CONCENTRATION CALIBRATION VERIFICATION

SW-846 6010D

Laboratory: Con-Test, a Pace Analytical Laboratory
SDG: 21L1105
Client: NYDEC_Ramboll US Consulting, Inc. - Syracuse
Project: Bomax Manufacturing Site
Calibration: UNASSIGNED
Laboratory ID: S069132-LCV1
Sequence: S069132
Standard ID: 2110290

ANALYTE	EXPECTED (mg/L)	FOUND (mg/L)	% DRIFT	QC LIMIT
Calcium	0.500	0.535	6.9	30.00
Iron	0.0500	0.0324	-35.3 *	30.00
Potassium	2.00	2.22	11.1	30.00

* Values outside of QC limits

FORM 3 - Blank Summary

SW-846 6010D

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Instrument ID:	ICP2	Calibration:	UNASSIGNED
Sequence:	S068637		

Lab Sample ID	Analyte	Found	Units	RL	C
B297931-BLK1	Cadmium		mg/Kg wet	0.33	U
	Chromium		mg/Kg wet	0.67	U
	Cobalt		mg/Kg wet	1.7	U
	Copper		mg/Kg wet	0.67	U
	Iron		mg/Kg wet	17	U
	Lead		mg/Kg wet	0.50	U
	Magnesium	9.4	mg/Kg wet	17	J
	Manganese		mg/Kg wet	0.33	U
	Nickel		mg/Kg wet	0.67	U
	Potassium		mg/Kg wet	170	U
	Selenium		mg/Kg wet	3.3	U
	Sodium		mg/Kg wet	170	U
	Thallium		mg/Kg wet	1.7	U
	Vanadium		mg/Kg wet	0.67	U
S068637-CCB5	Aluminum		mg/L	0.050	U
	Antimony		mg/L	0.050	U
	Arsenic		mg/L	0.010	U
	Barium		mg/L	0.050	U
	Beryllium		mg/L	0.0040	U
	Cadmium		mg/L	0.0040	U
	Calcium		mg/L	0.50	U
	Chromium		mg/L	0.010	U
	Cobalt		mg/L	0.010	U
	Copper		mg/L	0.010	U
	Iron		mg/L	0.050	U
	Lead		mg/L	0.010	U
	Magnesium		mg/L	0.050	U
	Manganese		mg/L	0.010	U
	Nickel		mg/L	0.010	U
	Potassium		mg/L	2.0	U
	Selenium		mg/L	0.050	U
	Sodium		mg/L	2.0	U
	Thallium		mg/L	0.050	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-12-2-12-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 6010D
Batch:	B297780	Preparation:	SW-846 3050B
% Solids:	90.32	Laboratory ID:	B297780-MS1
Column:		Sample Lab ID:	21L1105-10

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Aluminum	18.2	5550	17300 MS-19	64800		75 - 125
Antimony	18.2	0.973	8.30 MS-07A	40.2	N	75 - 125
Arsenic	18.2	ND	20.8	114		75 - 125
Beryllium	18.2	0.240	17.7	95.8		75 - 125
Cadmium	18.2	ND	17.1	94.1		75 - 125
Calcium	146	219000	90600 MS-19	-88200		75 - 125
Cobalt	18.2	1.75	21.3	107		75 - 125
Copper	36.4	2.23	44.1	115		75 - 125
Iron	146	5630	15600 MS-19	6850		75 - 125
Lead	18.2	6.33	24.4	98.9		75 - 125
Magnesium	146	6170	6740 MS-19	390		75 - 125
Manganese	18.2	286	378 MS-19	508		75 - 125
Nickel	18.2	3.86	26.2	123		75 - 125
Potassium	146	708	1660 MS-19	653		75 - 125
Selenium	18.2	ND	15.5	85.0		75 - 125
Silver	18.2	ND	18.3	101		75 - 125
Sodium	146	101	239	94.9		75 - 125
Thallium	18.2	ND	22.7	125		75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-12-2-12-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 6010D
Batch:	B297780	Preparation:	SW-846 3050B
% Solids:	90.32	Laboratory ID:	B297780-MSD1
Column:		Sample Lab ID:	21L1105-10

ANALYTE	SPIKE ADDED (mg/Kg dry)	MSD CONCENTRATION (mg/Kg dry)	MSD % REC. #		% RPD		QC LIMITS RPD	QC LIMITS REC.
Aluminum	17.9	17300 MS-19	65900		0.113		35	75 - 125
Antimony	17.9	7.84 MS-07A	38.5	N	5.69	N	35	75 - 125
Arsenic	17.9	19.8	111		4.78		35	75 - 125
Beryllium	17.9	16.8	92.6		5.29		35	75 - 125
Cadmium	17.9	16.1	90.1		6.37		35	75 - 125
Calcium	143	67100 MS-19	-106000		29.8		35	75 - 125
Cobalt	17.9	20.8	107		2.42		35	75 - 125
Copper	35.7	42.5	113		3.67		35	75 - 125
Iron	143	16000 MS-19	7220		2.12		35	75 - 125
Lead	17.9	24.4	101		0.0537		35	75 - 125
Magnesium	143	5020 MS-19	-803		29.2		35	75 - 125
Manganese	17.9	412 MS-19	706		8.50		35	75 - 125
Nickel	17.9	25.1	119		4.16		35	75 - 125
Potassium	143	1470 MS-19	533		12.1		35	75 - 125
Selenium	17.9	14.7	82.0		5.55		35	75 - 125
Silver	17.9	17.1	95.9		6.69		35	75 - 125
Sodium	143	222	85.1		7.28		35	75 - 125
Thallium	17.9	21.0	118		7.89		35	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-02-2-12-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 6010D
Batch:	B297889	Preparation:	SW-846 3050B
% Solids:	90.33	Laboratory ID:	B297889-MS1
Column:		Sample Lab ID:	21L1105-03

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Aluminum	17.7	4830	4710 MS-19	-677		75 - 125
Arsenic	17.7	6.04	20.3	81.0		75 - 125
Barium	17.7	29.1	39.4 MS-07	58.0	N	75 - 125
Beryllium	17.7	0.317	15.5	85.7		75 - 125
Cadmium	17.7	ND	15.4	87.1		75 - 125
Calcium	141	152000	145000 MS-19	-5040		75 - 125
Chromium	17.7	6.05	20.5	81.7		75 - 125
Cobalt	17.7	2.13	16.2	79.8		75 - 125
Copper	35.3	14.2	46.5	91.6		75 - 125
Iron	141	7320	6750 MS-19	-403		75 - 125
Lead	17.7	7.12	22.3	86.0		75 - 125
Magnesium	141	6710	6290 MS-19	-302		75 - 125
Manganese	17.7	316	330	78.3		75 - 125
Nickel	17.7	5.01	18.7	77.6		75 - 125
Potassium	141	941	1490 MS-19	386		75 - 125
Selenium	17.7	ND	13.8	78.2		75 - 125
Sodium	141	107	217	78.1		75 - 125
Thallium	17.7	ND	22.2 MS-14	126	N	75 - 125
Vanadium	17.7	8.62	23.6	84.8		75 - 125
Zinc	35.3	55.6	78.9 MS-07	66.1	N	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SSB-02-2-12-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Analysis:	SW-846 6010D
Batch:	B298232	Preparation:	SW-846 3050B
% Solids:	90.33	Laboratory ID:	B298232-MS1
Column:		Sample Lab ID:	21L1105-03RE1

ANALYTE	SPIKE ADDED (mg/Kg dry)	SAMPLE CONCENTRATION (mg/Kg dry)	MS CONCENTRATION (mg/Kg dry)	MS % REC.		QC LIMITS REC.
Antimony	17.9	ND	7.63 MS-07	42.7	N	75 - 125

DUPLICATES

SSB-02-2-12-121321

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1105
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Soil	Laboratory ID:	B297889-DUP1
Batch:	B297889	Initial/Final:	1.5324 g / 50 mL
Preparation:	SW-846 3050B	Analysis:	SW-846 6010D
% Solids:	90.33		

ANALYTE	SAMPLE CONCENTRATION (mg/Kg dry)	DUPLICATE CONCENTRATION (mg/Kg dry)	RPD %	Q	CONTROL LIMIT
Aluminum	4830	4980	2.92		35
Arsenic	6.04	6.38	5.58		35
Barium	29.1	24.2	18.3		35
Beryllium	0.317	0.326	2.82		35
Cadmium	ND	ND			35
Calcium	152000	169000	10.9		35
Chromium	6.05	5.81	3.97		35
Cobalt	2.13	2.29	7.04		35
Copper	14.2	7.21 R-02	65.3	*	35
Iron	7320	7290	0.342		35
Lead	7.12	7.27	2.00		35
Magnesium	6710	6510	3.03		35
Manganese	316	337	6.32		35
Nickel	5.01	5.64	11.8		35
Potassium	941	940	0.0418		35
Selenium	ND	ND			35
Sodium	107	102 J	4.71		35
Thallium	ND	ND			35
Vanadium	8.62	11.4	28.2		35
Zinc	55.6	49.4	11.9		35

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-67729-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Rxi-.5SilMS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	MNPd10 #	FLN10 #	BAPd12 #
21L1105-02	410-67729-1	99	109	103
21L1105-10	410-67729-2	111 S1+	117	107
21L1105-17	410-67729-3	63	65	61
21L1105-20	410-67729-4	101	121	105
21L1105-22	410-67729-5	101	112	99
21L1105-26	410-67729-6	114 S1+ cn	133 cn	112 cn
21L1105-28	410-67729-7	102	114	104
	MB 410-209333/1-A	98	111	102
	LCS 410-209333/2-A	105	114	107
21L1105-10 MS	410-67729-2 MS	106	115	109
21L1105-10 MSD	410-67729-2 MSD	100	109	99

	QC LIMITS
MNPd10 = 1-Methylnaphthalene-d10 (Surr)	37-110
FLN10 = Fluoranthene-d10 (Surr)	41-135
BAPd12 = Benzo(a)pyrene-d12 (Surr)	36-119

Column to be used to flag recovery values

FORM II 8270D SIM

Data Usability Summary Report

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

Bomax Manufacturing Site
Con-Test Analytical Laboratory SDG#21L1106
May 20, 2022
Sampling date: 12/12, 13/2021

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 for Ramboll, project located at Bomax Manufacturing Site, Con-Test Analytical Laboratory SDG#21L1106 submitted to Vali-Data of WNY, LLC on April 14, 2022. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines (NFG), NYSDEC; 'Guidelines for Sampling and Analysis of PFAS' (1/2020) and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using USEPA method Perfluorinated Hydrocarbons (537 modified).

DUSR ID	Sample ID	Laboratory ID
1	SSB-02-0-2-121321	21L1106-01
2	EB-1-121321	21L1106-02
3	SSB-12-2-12-121321	21L1106-03
4	SSB-06-0-2-121421	21L1106-04
5	SSB-08-2-12-121421	21L1106-05
6	SSB-09-2-12-121421	21L1106-06
7	FRB-1-121421	21L1106-07
8	SSB-11-0-2-121421	21L1106-08
9	X-1-121421	21L1106-09

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)
- 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 Internal Standard and Laboratory Control Samples.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

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 M2-8:2FTS was outside QC limits in B297890-BLK1 and should be qualified as estimated. 8:2FTS should be qualified as estimated in B297890-BLK1.

BLANKS
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except a target analyte was outside QC limits in B298312-BS1 and should be qualified as estimated.

LCS ID	Target Analyte	%Rec	Qualifier	Associated Sample
B298312	NEtFOSAA	131	UJ	2, 7

MS/MSD
All the criteria were met.

COMPOUND QUANTITATION
All the criteria were met except PFDS was detected in DUSR ID#2. 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 all of the target analytes, with acceptable results. Additional data showing the alternate regression for the initial calibrations are attached.

CONTINUING CALIBRATION

All criteria were met.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SOP-466 PFAS

Qualifications:

PF-17

Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.

Analyte & Samples(s) Qualified:

M2-8:2FTS
B297890-BLK1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 21L1106

Date Received: 12/15/2021

Field Sample #: SSB-02-0-2-121321 | Sampled: 12/13/2021 10:00

Sample ID: 21L1106-01

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.42	0.056	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	0.42	0.064	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluoropentanoic acid (PFPeA)	ND	0.42	0.064	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluorohexanoic acid (PFHxA)	ND	0.42	0.078	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
11Cl-PF3OUdS (F53B Minor)	ND	0.42	0.12	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
9Cl-PF3ONS (F53B Major)	ND	0.42	0.10	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.42	0.13	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.42	0.20	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	0.42	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluorodecanoic acid (PFDA)	ND	0.42	0.054	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluorododecanoic acid (PFDoA)	ND	0.42	0.064	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.42	0.069	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.42	0.13	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
N-EtFOSAA	ND	0.42	0.12	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
N-MeFOSAA	ND	0.42	0.076	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluorotetradecanoic acid (PFTA)	ND	0.42	0.080	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	0.42	0.094	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	0.42	0.077	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	0.42	0.097	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluorooctanesulfonamide (FOSA)	ND	0.42	0.081	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluorononanesulfonic acid (PFNS)	ND	0.42	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.42	0.13	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.42	0.13	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	0.42	0.067	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.42	0.079	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.42	0.077	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	0.42	0.095	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	0.42	0.061	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluoroundecanoic acid (PFUnA)	ND	0.42	0.076	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.42	0.065	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluoroheptanoic acid (PFHpA)	ND	0.42	0.060	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluorooctanoic acid (PFOA)	ND	0.42	0.12	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	0.42	0.056	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH
Perfluorononanoic acid (PFNA)	ND	0.42	0.069	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 8:53	BLH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY Sample Description: Work Order: 21L1106

Date Received: 12/15/2021

Field Sample #: SSB-02-0-2-121321 Sampled: 12/13/2021 10:00

Sample ID: 21L1106-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.5		% Wt	1		SM 2540G	12/18/21	12/20/21 15:36	WAT

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 21L1106

Date Received: 12/15/2021

Field Sample #: EB-1-121321 | Sampled: 12/13/2021 12:30

Sample ID: 21L1106-02

Sample Matrix: Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.9	0.71	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.38	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.37	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.61	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9	0.37	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.23	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.58	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9	0.47	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.42	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.90	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
N-EtFOSAA	ND	1.9	0.60	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
N-MeFOSAA	ND	1.9	0.73	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluorodecanesulfonic acid (PFDS)	0.34	1.9	0.31	ng/L	1	J	SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.16	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.30	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.9	0.18	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9	0.25	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluorooctanoic acid (PFOA)	ND	1.9	0.65	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.58	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH
Perfluorononanoic acid (PFNA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:40	BLH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 21L1106

Date Received: 12/15/2021

Field Sample #: SSB-12-2-12-121321 | Sampled: 12/13/2021 13:40

Sample ID: 21L1106-03

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.48	0.064	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	0.48	0.074	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluoropentanoic acid (PFPeA)	ND	0.48	0.074	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluorohexanoic acid (PFHxA)	ND	0.48	0.090	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
11Cl-PF3OUdS (F53B Minor)	ND	0.48	0.14	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
9Cl-PF3ONS (F53B Major)	ND	0.48	0.12	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.48	0.15	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.48	0.23	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	0.48	0.13	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluorodecanoic acid (PFDA)	ND	0.48	0.062	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluorododecanoic acid (PFDoA)	ND	0.48	0.074	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.48	0.080	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.48	0.15	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
N-EtFOSAA	ND	0.48	0.14	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
N-MeFOSAA	ND	0.48	0.088	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluorotetradecanoic acid (PFTA)	ND	0.48	0.092	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	0.48	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	0.48	0.089	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	0.48	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluorooctanesulfonamide (FOSA)	ND	0.48	0.095	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluorononanesulfonic acid (PFNS)	ND	0.48	0.13	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.48	0.15	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.48	0.15	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	0.48	0.077	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.48	0.091	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.48	0.089	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	0.48	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	0.48	0.071	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluoroundecanoic acid (PFUnA)	ND	0.48	0.088	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.48	0.075	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluoroheptanoic acid (PFHpA)	ND	0.48	0.070	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluorooctanoic acid (PFOA)	ND	0.48	0.14	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluorooctanesulfonic acid (PFOS)	0.094	0.48	0.066	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH
Perfluorononanoic acid (PFNA)	ND	0.48	0.080	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:00	BLH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY Sample Description: Work Order: 21L1106

Date Received: 12/15/2021

Field Sample #: SSB-12-2-12-121321 Sampled: 12/13/2021 13:40

Sample ID: 21L1106-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.6		% Wt	1		SM 2540G	12/18/21	12/20/21 15:36	WAT

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 21L1106

Date Received: 12/15/2021

Field Sample #: SSB-06-0-2-121421 | Sampled: 12/14/2021 08:30

Sample ID: 21L1106-04

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.52	0.069	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	0.52	0.079	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluoropentanoic acid (PFPeA)	ND	0.52	0.079	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluorohexanoic acid (PFHxA)	ND	0.52	0.097	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
11Cl-PF3OUdS (F53B Minor)	ND	0.52	0.14	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
9Cl-PF3ONS (F53B Major)	ND	0.52	0.13	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.52	0.17	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.52	0.25	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	0.52	0.13	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluorodecanoic acid (PFDA)	ND	0.52	0.067	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluorododecanoic acid (PFDoA)	ND	0.52	0.079	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.52	0.085	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.52	0.16	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
N-EtFOSAA	ND	0.52	0.15	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
N-MeFOSAA	ND	0.52	0.094	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluorotetradecanoic acid (PFTA)	ND	0.52	0.099	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	0.52	0.12	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	0.52	0.095	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	0.52	0.12	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluorooctanesulfonamide (FOSA)	ND	0.52	0.10	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluorononanesulfonic acid (PFNS)	ND	0.52	0.14	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.52	0.16	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.52	0.16	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	0.52	0.083	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.52	0.098	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.52	0.095	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	0.52	0.12	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	0.52	0.076	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluoroundecanoic acid (PFUnA)	ND	0.52	0.094	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.52	0.080	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluoroheptanoic acid (PFHpA)	ND	0.52	0.075	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluorooctanoic acid (PFOA)	ND	0.52	0.15	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	0.52	0.070	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH
Perfluorononanoic acid (PFNA)	ND	0.52	0.085	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:07	BLH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY Sample Description: Work Order: 21L1106

Date Received: 12/15/2021

Field Sample #: SSB-06-0-2-121421 Sampled: 12/14/2021 08:30

Sample ID: 21L1106-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.6		% Wt	1		SM 2540G	12/18/21	12/20/21 15:37	WAT

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 21L1106

Date Received: 12/15/2021

Field Sample #: SSB-08-2-12-121421 | Sampled: 12/14/2021 09:25

Sample ID: 21L1106-05

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	0.25	0.53	0.071	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	0.53	0.082	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluoropentanoic acid (PFPeA)	0.085	0.53	0.082	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluorohexanoic acid (PFHxA)	ND	0.53	0.10	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
11Cl-PF3OUdS (F53B Minor)	ND	0.53	0.15	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
9Cl-PF3ONS (F53B Major)	ND	0.53	0.13	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.53	0.17	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.53	0.26	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	0.53	0.14	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluorodecanoic acid (PFDA)	ND	0.53	0.069	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluorododecanoic acid (PFDoA)	ND	0.53	0.082	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.53	0.088	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.53	0.16	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
N-EtFOSAA	ND	0.53	0.15	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
N-MeFOSAA	ND	0.53	0.097	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluorotetradecanoic acid (PFTA)	ND	0.53	0.10	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	0.53	0.12	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	0.53	0.098	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	0.53	0.12	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluorooctanesulfonamide (FOSA)	ND	0.53	0.10	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluorononanesulfonic acid (PFNS)	ND	0.53	0.14	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.53	0.16	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.53	0.17	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	0.53	0.085	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.53	0.10	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.53	0.098	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	0.53	0.12	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	0.53	0.078	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluoroundecanoic acid (PFUnA)	ND	0.53	0.097	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.53	0.083	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluoroheptanoic acid (PFHpA)	0.11	0.53	0.077	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluorooctanoic acid (PFOA)	0.28	0.53	0.15	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluorooctanesulfonic acid (PFOS)	0.19	0.53	0.072	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH
Perfluorononanoic acid (PFNA)	ND	0.53	0.088	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:15	BLH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY Sample Description: Work Order: 21L1106

Date Received: 12/15/2021

Field Sample #: SSB-08-2-12-121421 Sampled: 12/14/2021 09:25

Sample ID: 21L1106-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.4		% Wt	1		SM 2540G	12/18/21	12/20/21 15:37	WAT

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 21L1106

Date Received: 12/15/2021

Field Sample #: SSB-09-2-12-121421 | Sampled: 12/14/2021 10:15

Sample ID: 21L1106-06

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	0.27	0.49	0.066	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	0.49	0.076	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluoropentanoic acid (PFPeA)	0.076	0.49	0.076	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluorohexanoic acid (PFHxA)	ND	0.49	0.092	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
11Cl-PF3OUdS (F53B Minor)	ND	0.49	0.14	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
9Cl-PF3ONS (F53B Major)	ND	0.49	0.12	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.49	0.16	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.49	0.24	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	0.49	0.13	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluorodecanoic acid (PFDA)	ND	0.49	0.064	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluorododecanoic acid (PFDoA)	ND	0.49	0.076	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.49	0.081	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.49	0.15	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
N-EtFOSAA	ND	0.49	0.14	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
N-MeFOSAA	ND	0.49	0.090	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluorotetradecanoic acid (PFTA)	ND	0.49	0.094	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	0.49	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	0.49	0.091	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	0.49	0.12	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluorooctanesulfonamide (FOSA)	ND	0.49	0.097	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluorononanesulfonic acid (PFNS)	ND	0.49	0.13	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.49	0.15	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.49	0.16	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	0.49	0.079	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.49	0.093	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.49	0.091	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	0.49	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	0.49	0.073	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluoroundecanoic acid (PFUnA)	ND	0.49	0.090	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.49	0.077	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluoroheptanoic acid (PFHpA)	0.10	0.49	0.071	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluorooctanoic acid (PFOA)	0.39	0.49	0.14	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluorooctanesulfonic acid (PFOS)	0.35	0.49	0.067	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH
Perfluorononanoic acid (PFNA)	0.14	0.49	0.081	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:22	BLH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY Sample Description: Work Order: 21L1106

Date Received: 12/15/2021

Field Sample #: SSB-09-2-12-121421 Sampled: 12/14/2021 10:15

Sample ID: 21L1106-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.0		% Wt	1		SM 2540G	12/18/21	12/20/21 15:37	WAT

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 21L1106

Date Received: 12/15/2021

Field Sample #: FRB-1-121421 | Sampled: 12/14/2021 10:30

Sample ID: 21L1106-07

Sample Matrix: Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.9	0.71	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.38	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.37	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
11Cl-PF3OUdS (F53B Minor)	ND	1.9	0.61	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
9Cl-PF3ONS (F53B Major)	ND	1.9	0.37	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.23	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.58	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluorodecanoic acid (PFDA)	ND	1.9	0.47	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.42	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.22	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.90	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
N-EtFOSAA	ND	1.9	0.60	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
N-MeFOSAA	ND	1.9	0.73	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluorotetradecanoic acid (PFTA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.27	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	1.9	0.31	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluorooctanesulfonamide (FOSA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluorononanesulfonic acid (PFNS)	ND	1.9	0.16	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	1.9	0.30	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	1.9	0.18	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.32	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.40	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9	0.25	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.35	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.26	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluorooctanoic acid (PFOA)	ND	1.9	0.65	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.57	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH
Perfluorononanoic acid (PFNA)	ND	1.9	0.33	ng/L	1		SOP-454 PFAS	1/10/22	1/12/22 17:47	BLH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 21L1106

Date Received: 12/15/2021

Field Sample #: SSB-11-0-2-121421 | Sampled: 12/14/2021 11:35

Sample ID: 21L1106-08

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.58	0.077	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	0.58	0.089	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluoropentanoic acid (PFPeA)	ND	0.58	0.089	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluorohexanoic acid (PFHxA)	ND	0.58	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
11Cl-PF3OUdS (F53B Minor)	ND	0.58	0.16	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
9Cl-PF3ONS (F53B Major)	ND	0.58	0.15	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.58	0.18	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.58	0.28	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	0.58	0.15	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluorodecanoic acid (PFDA)	ND	0.58	0.074	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluorododecanoic acid (PFDoA)	ND	0.58	0.089	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.58	0.095	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.58	0.17	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
N-EtFOSAA	ND	0.58	0.16	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
N-MeFOSAA	ND	0.58	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluorotetradecanoic acid (PFTA)	ND	0.58	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	0.58	0.13	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	0.58	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	0.58	0.13	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluorooctanesulfonamide (FOSA)	ND	0.58	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluorononanesulfonic acid (PFNS)	ND	0.58	0.16	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.58	0.17	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.58	0.18	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	0.58	0.092	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.58	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.58	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	0.58	0.13	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	0.58	0.085	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluoroundecanoic acid (PFUnA)	ND	0.58	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.58	0.090	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluoroheptanoic acid (PFHpA)	ND	0.58	0.083	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluorooctanoic acid (PFOA)	ND	0.58	0.16	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluorooctanesulfonic acid (PFOS)	0.32	0.58	0.078	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH
Perfluorononanoic acid (PFNA)	ND	0.58	0.095	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:29	BLH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY Sample Description: Work Order: 21L1106

Date Received: 12/15/2021

Field Sample #: SSB-11-0-2-121421 Sampled: 12/14/2021 11:35

Sample ID: 21L1106-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.6		% Wt	1		SM 2540G	12/18/21	12/20/21 15:37	WAT

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 21L1106

Date Received: 12/15/2021

Field Sample #: X-1-121421 | Sampled: 12/14/2021 00:00

Sample ID: 21L1106-09

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	0.20	0.50	0.066	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluorobutanesulfonic acid (PFBS)	ND	0.50	0.076	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluoropentanoic acid (PFPeA)	0.083	0.50	0.076	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluorohexanoic acid (PFHxA)	ND	0.50	0.093	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
11Cl-PF3OUdS (F53B Minor)	ND	0.50	0.14	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
9Cl-PF3ONS (F53B Major)	ND	0.50	0.13	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.50	0.16	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.50	0.24	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	0.50	0.13	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluorodecanoic acid (PFDA)	ND	0.50	0.064	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluorododecanoic acid (PFDoA)	ND	0.50	0.076	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.50	0.082	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.50	0.15	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
N-EtFOSAA	ND	0.50	0.14	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
N-MeFOSAA	ND	0.50	0.091	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluorotetradecanoic acid (PFTA)	ND	0.50	0.095	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluorotridecanoic acid (PFTrDA)	ND	0.50	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	0.50	0.092	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluorodecanesulfonic acid (PFDS)	ND	0.50	0.12	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluorooctanesulfonamide (FOSA)	ND	0.50	0.097	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluorononanesulfonic acid (PFNS)	ND	0.50	0.14	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluoro-1-hexanesulfonamide (FHxSA)	ND	0.50	0.15	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluoro-1-butanesulfonamide (FBSA)	ND	0.50	0.16	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluorohexanesulfonic acid (PFHxS)	ND	0.50	0.080	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	0.50	0.094	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	0.50	0.092	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	0.50	0.11	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluoropetanesulfonic acid (PFPeS)	ND	0.50	0.073	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluoroundecanoic acid (PFUnA)	ND	0.50	0.091	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.50	0.078	µg/kg dry	1		SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluoroheptanoic acid (PFHpA)	0.083	0.50	0.072	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluorooctanoic acid (PFOA)	0.29	0.50	0.14	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluorooctanesulfonic acid (PFOS)	0.24	0.50	0.068	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH
Perfluorononanoic acid (PFNA)	0.15	0.50	0.082	µg/kg dry	1	J	SOP-466 PFAS	12/29/21	12/31/21 9:36	BLH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY Sample Description: Work Order: 21L1106

Date Received: 12/15/2021

Field Sample #: X-1-121421 Sampled: 12/14/2021 00:00

Sample ID: 21L1106-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.6		% Wt	1		SM 2540G	12/18/21	12/20/21 15:38	WAT

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

INTERNAL STANDARD AREA AND RT SUMMARY

SOP-466 PFAS

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Blank (B297890-BLK1)			Lab File ID: B297890-BLK1.d			Analyzed: 12/31/21 08:03			
M8FOSA	421610.8	4.01255	333,383.00	4.012533	126	50 - 150	0.0000	+/-0.50	
M2-4:2FTS	220041	2.513233	189,846.00	2.505033	116	50 - 150	0.0082	+/-0.50	
M2PFTA	1507174	4.362184	1,322,721.00	4.362167	114	50 - 150	0.0000	+/-0.50	
M2-8:2FTS	484792.9	3.827067	257,287.00	3.835	188	50 - 150	-0.0079	+/-0.50	*
MPFBA	697245.5	1.100017	570,480.00	1.100017	122	50 - 150	0.0000	+/-0.50	
M3HFPO-DA	197183.3	2.855667	157,012.00	2.855667	126	50 - 150	0.0000	+/-0.50	
M6PFDA	1172079	3.835517	871,102.00	3.8355	135	50 - 150	0.0000	+/-0.50	
M3PFBS	156962.2	1.919817	127,299.00	1.911533	123	50 - 150	0.0083	+/-0.50	
M7PFUnA	1322489	3.978017	1,058,617.00	3.978	125	50 - 150	0.0000	+/-0.50	
M2-6:2FTS	142234.7	3.477367	126,034.00	3.477367	113	50 - 150	0.0000	+/-0.50	
M5PFPeA	674454.3	1.749417	552,313.00	1.741117	122	50 - 150	0.0083	+/-0.50	
M5PFHxA	917381.4	2.596967	744,945.00	2.588767	123	50 - 150	0.0082	+/-0.50	
M3PFHxS	125375	3.242567	99,600.00	3.234483	126	50 - 150	0.0081	+/-0.50	
M4PFHpA	960300.9	3.203083	762,535.00	3.203083	126	50 - 150	0.0000	+/-0.50	
M8PFOA	983656.9	3.485883	763,318.00	3.485883	129	50 - 150	0.0000	+/-0.50	
M8PFOS	143395.7	3.676117	116,074.00	3.684083	124	50 - 150	-0.0080	+/-0.50	
M9PFNA	857720.1	3.67715	681,985.00	3.677133	126	50 - 150	0.0000	+/-0.50	
MPFDoA	1380586	4.120783	1,103,769.00	4.120767	125	50 - 150	0.0000	+/-0.50	
d5-NEtFOSAA	211503.8	3.985483	200,489.00	3.985467	105	50 - 150	0.0000	+/-0.50	
d3-NMeFOSAA	201796.3	3.905917	176,287.00	3.913883	114	50 - 150	-0.0080	+/-0.50	

3 - FORM III

LCS / LCS DUPLICATE RECOVERY

SOP-454 PFAS

Laboratory:	Con-Test, a Pace Analytical Laboratory	Work Order:	21L1106
Client:	NYDEC_Ramboll US Consulting, Inc. - Syracuse	Project:	Bomax Manufacturing Site
Matrix:	Water	Preparation:	SOP 454-PFAAS
Batch:	B298312	Laboratory ID:	B298312-BS1
Column:		Initial/Final:	260.86 mL / 1 mL

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC.	QC LIMITS REC.
Perfluorobutanoic acid (PFBA)	9.58	9.53	99.5	73 - 129
Perfluorobutanesulfonic acid (PFBS)	8.48	7.76	91.5	72 - 130
Perfluoropentanoic acid (PFPeA)	9.58	9.78	102	72 - 129
Perfluorohexanoic acid (PFHxA)	9.58	10.3	107	72 - 129
11Cl-PF3OUdS (F53B Minor)	9.03	8.76	97.0	50 - 150
9Cl-PF3ONS (F53B Major)	8.93	9.51	106	50 - 150
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	9.03	7.94	88.0	50 - 150
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.58	10.8	113	50 - 150
8:2 Fluorotelomersulfonic acid (8:2FTS A)	9.20	9.52	103	67 - 138
Perfluorodecanoic acid (PFDA)	9.58	8.99	93.8	71 - 129
Perfluorododecanoic acid (PFDoA)	9.58	8.97	93.6	72 - 134
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.53	9.72	114	50 - 150
Perfluoroheptanesulfonic acid (PFHpS)	9.15	10.2	111	69 - 134
N-EtFOSAA	9.58	12.6	131	61 - 135
N-MeFOSAA	9.58	11.4	119	65 - 136
Perfluorotetradecanoic acid (PFTA)	9.58	8.41	87.8	71 - 132
Perfluorotridecanoic acid (PFTrDA)	9.58	9.57	99.9	65 - 144
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.96	9.56	107	63 - 143
Perfluorodecanesulfonic acid (PFDS)	9.25	7.37	79.7	53 - 142
Perfluorooctanesulfonamide (FOSA)	9.58	10.2	106	67 - 137
Perfluorononanesulfonic acid (PFNS)	9.20	8.63	93.8	69 - 127
Perfluoro-1-hexanesulfonamide (FHxSA)	9.58	10.7	111	50 - 150
Perfluoro-1-butanesulfonamide (FBSA)	9.58	9.92	104	50 - 150
Perfluorohexanesulfonic acid (PFHxS)	8.77	9.18	105	68 - 131
Perfluoro-4-oxapentanoic acid (PFMPA)	9.58	9.48	98.9	50 - 150
Perfluoro-5-oxahexanoic acid (PFMBA)	9.58	9.75	102	50 - 150
6:2 Fluorotelomersulfonic acid (6:2FTS A)	9.10	10.6	116	64 - 140
Perfluoropetanesulfonic acid (PFPeS)	9.01	9.26	103	71 - 127
Perfluoroundecanoic acid (PFUnA)	9.58	8.81	91.9	69 - 133
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.58	10.1	105	50 - 150
Perfluoroheptanoic acid (PFHpA)	9.58	9.38	97.9	72 - 130
Perfluorooctanoic acid (PFOA)	9.58	9.32	97.3	71 - 133
Perfluorooctanesulfonic acid (PFOS)	8.86	8.67	97.7	65 - 140
Perfluorononanoic acid (PFNA)	9.58	8.34	87.0	69 - 130

Quantitative Analysis Complete Report

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:11 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

Data File	Sample Name	Sample Type	Position	Inj Vol	Level	Acq. Method
CAL1_ID_010822.d	CAL1_ID_010822	Cal	P4-A1	5	1	PFAS ACQUISITION.m
CAL2_ID_010822.d	CAL2_ID_010822	Cal	P4-A2	5	2	PFAS ACQUISITION.m
CAL3_ID_010822.d	CAL3_ID_010822	Cal	P4-A3	5	3	PFAS ACQUISITION.m
CAL4_ID_010822.d	CAL4_ID_010822	Cal	P4-A4	5	4	PFAS ACQUISITION.m
CAL5_ID_010822.d	CAL5_ID_010822	Cal	P4-A5	5	5	PFAS ACQUISITION.m
CAL6_ID_010822.d	CAL6_ID_010822	Cal	P4-A6	5	6	PFAS ACQUISITION.m
CAL7_ID_010822.d	CAL7_ID_010822	Cal	P4-A7	5	7	PFAS ACQUISITION.m
CAL8_ID_010822.d	CAL8_ID_010822	Cal	P4-A8	5	8	PFAS ACQUISITION.m
ICV1_ID_010822.d	ICV1_ID_010822	QC	P4-A9	5	5	PFAS ACQUISITION.m
BIC1_ID_010822.d	BIC1_ID_010822	Sample	P4-B1	5		PFAS ACQUISITION.m

Quantitation Results

PFBA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFBA	MPFBA - ISTD	Calibration	1.129	30925	726861	0.0425	238.7695	250.0000	95.5
CAL2_ID_010822.d	PFBA	MPFBA - ISTD	Calibration	1.129	57216	675986	0.0846	474.6453	500.0000	94.9
CAL3_ID_010822.d	PFBA	MPFBA - ISTD	Calibration	1.129	117545	685915	0.1714	959.4696	1000.0000	95.9
CAL4_ID_010822.d	PFBA	MPFBA - ISTD	Calibration	1.129	300946	708207	0.4249	2368.3131	2500.0000	94.7
CAL5_ID_010822.d	PFBA	MPFBA - ISTD	Calibration	1.129	648576	742965	0.8730	4826.7255	5000.0000	96.5
CAL6_ID_010822.d	PFBA	MPFBA - ISTD	Calibration	1.121	1344919	722940	1.8603	10114.0906	10000.0000	101.1
CAL7_ID_010822.d	PFBA	MPFBA - ISTD	Calibration	1.121	3473581	707431	4.9101	25458.6024	25000.0000	101.8
CAL8_ID_010822.d	PFBA	MPFBA - ISTD	Calibration	1.129	7806880	757196	10.3102	49799.6271	50000.0000	99.6
ICV1_ID_010822.d	PFBA	MPFBA - ISTD	QC	1.129	606824	705419	0.8602	4757.4378	5000.0000	95.1
BIC1_ID_010822.d	PFBA	MPFBA - ISTD	Sample	1.129	1217			ND		

PFMPA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFMPA	MPFBA - ISTD	Calibration	1.350	19577	726861	0.0269	236.2325	250.0000	94.5
CAL2_ID_010822.d	PFMPA	MPFBA - ISTD	Calibration	1.350	35712	675986	0.0528	463.0426	500.0000	92.6
CAL3_ID_010822.d	PFMPA	MPFBA - ISTD	Calibration	1.350	71547	685915	0.1043	913.0113	1000.0000	91.3
CAL4_ID_010822.d	PFMPA	MPFBA - ISTD	Calibration	1.350	186022	708207	0.2627	2289.6825	2500.0000	91.6
CAL5_ID_010822.d	PFMPA	MPFBA - ISTD	Calibration	1.350	401822	742965	0.5408	4681.1335	5000.0000	93.6
CAL6_ID_010822.d	PFMPA	MPFBA - ISTD	Calibration	1.350	848415	722940	1.1736	10000.1530	10000.0000	100.0
CAL7_ID_010822.d	PFMPA	MPFBA - ISTD	Calibration	1.350	2268442	707431	3.2066	26099.3888	25000.0000	104.4
CAL8_ID_010822.d	PFMPA	MPFBA - ISTD	Calibration	1.350	4910208	757196	6.4847	49546.9944	50000.0000	99.1
ICV1_ID_010822.d	PFMPA	MPFBA - ISTD	QC	1.350	386734	705419	0.5482	4744.2781	5000.0000	94.9
BIC1_ID_010822.d	PFMPA	MPFBA - ISTD	Sample					ND		

PFPeA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFPeA	M5PFPeA - ISTD	Calibration	1.834	31915	701106	0.0455	243.9200	250.0000	97.6
CAL2_ID_010822.d	PFPeA	M5PFPeA - ISTD	Calibration	1.834	58051	653376	0.0888	475.7514	500.0000	95.2
CAL3_ID_010822.d	PFPeA	M5PFPeA - ISTD	Calibration	1.834	115665	647623	0.1786	954.9903	1000.0000	95.5
CAL4_ID_010822.d	PFPeA	M5PFPeA - ISTD	Calibration	1.834	299050	679159	0.4403	2344.7793	2500.0000	93.8
CAL5_ID_010822.d	PFPeA	M5PFPeA - ISTD	Calibration	1.842	651026	712268	0.9140	4831.7393	5000.0000	96.6
CAL6_ID_010822.d	PFPeA	M5PFPeA - ISTD	Calibration	1.834	1352082	696528	1.9412	10105.1524	10000.0000	101.1
CAL7_ID_010822.d	PFPeA	M5PFPeA - ISTD	Calibration	1.834	3458321	675764	5.1176	25505.5731	25000.0000	102.0
CAL8_ID_010822.d	PFPeA	M5PFPeA - ISTD	Calibration	1.834	7704422	722814	10.6589	49778.9503	50000.0000	99.6
ICV1_ID_010822.d	PFPeA	M5PFPeA - ISTD	QC	1.834	615974	681365	0.9040	4779.6663	5000.0000	95.6
BIC1_ID_010822.d	PFPeA	M5PFPeA - ISTD	Sample	1.834	4082			ND		

PFBS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFBS	M3PFBS - ISTD	Calibration	2.021	8171	168142	0.0486	193.2588	222.0000	87.1
CAL2_ID_010822.d	PFBS	M3PFBS - ISTD	Calibration	2.021	15034	156082	0.0963	383.0581	444.0000	86.3
CAL3_ID_010822.d	PFBS	M3PFBS - ISTD	Calibration	2.021	29411	156914	0.1874	745.4162	887.0000	84.0
CAL4_ID_010822.d	PFBS	M3PFBS - ISTD	Calibration	2.021	78524	159469	0.4924	1958.2862	2220.0000	88.2
CAL5_ID_010822.d	PFBS	M3PFBS - ISTD	Calibration	2.030	169794	167711	1.0124	4026.3185	4440.0000	90.7
CAL6_ID_010822.d	PFBS	M3PFBS - ISTD	Calibration	2.030	355518	165984	2.1419	8518.1453	8870.0000	96.0
CAL7_ID_010822.d	PFBS	M3PFBS - ISTD	Calibration	2.021	886403	157920	5.6130	22322.4641	22200.0000	100.6
CAL8_ID_010822.d	PFBS	M3PFBS - ISTD	Calibration	2.021	1917427	167460	11.4500	45536.0529	44400.0000	102.6
ICV1_ID_010822.d	PFBS	M3PFBS - ISTD	QC	2.021	163605	161939	1.0103	4017.8628	4440.0000	90.5
BIC1_ID_010822.d	PFBS	M3PFBS - ISTD	Sample					ND		

PFMBA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFMBA	M5PFPeA - ISTD	Calibration	2.098	21946	701106	0.0313	235.2352	250.0000	94.1
CAL2_ID_010822.d	PFMBA	M5PFPeA - ISTD	Calibration	2.098	39871	653376	0.0610	458.2600	500.0000	91.7
CAL3_ID_010822.d	PFMBA	M5PFPeA - ISTD	Calibration	2.107	76449	647623	0.1180	885.2678	1000.0000	88.5
CAL4_ID_010822.d	PFMBA	M5PFPeA - ISTD	Calibration	2.107	211459	679159	0.3114	2324.2002	2500.0000	93.0
CAL5_ID_010822.d	PFMBA	M5PFPeA - ISTD	Calibration	2.107	449475	712268	0.6310	4675.4383	5000.0000	93.5
CAL6_ID_010822.d	PFMBA	M5PFPeA - ISTD	Calibration	2.107	957655	696528	1.3749	10016.5209	10000.0000	100.2
CAL7_ID_010822.d	PFMBA	M5PFPeA - ISTD	Calibration	2.107	2540078	675764	3.7588	26074.9039	25000.0000	104.3
CAL8_ID_010822.d	PFMBA	M5PFPeA - ISTD	Calibration	2.107	5524786	722814	7.6434	49557.7431	50000.0000	99.1
ICV1_ID_010822.d	PFMBA	M5PFPeA - ISTD	QC	2.098	438058	681365	0.6429	4762.0334	5000.0000	95.2
BIC1_ID_010822.d	PFMBA	M5PFPeA - ISTD	Sample					ND		

PFEESA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFEESA	M3PFBS - ISTD	Calibration	2.384	30046	168142	0.1787	205.7553	222.0000	92.7
CAL2_ID_010822.d	PFEESA	M3PFBS - ISTD	Calibration	2.384	53719	156082	0.3442	395.9686	445.0000	89.0
CAL3_ID_010822.d	PFEESA	M3PFBS - ISTD	Calibration	2.384	107017	156914	0.6820	783.3593	890.0000	88.0

PFEESA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL4_ID_010822.d	PFEESA	M3PFBS - ISTD	Calibration	2.392	290033	159469	1.8187	2077.5415	2220.0000	93.6
CAL5_ID_010822.d	PFEESA	M3PFBS - ISTD	Calibration	2.392	616414	167711	3.6755	4161.6832	4450.0000	93.5
CAL6_ID_010822.d	PFEESA	M3PFBS - ISTD	Calibration	2.392	1322905	165984	7.9701	8850.0721	8900.0000	99.4
CAL7_ID_010822.d	PFEESA	M3PFBS - ISTD	Calibration	2.392	3500505	157920	22.1663	23235.9212	22200.0000	104.7
CAL8_ID_010822.d	PFEESA	M3PFBS - ISTD	Calibration	2.392	7614796	167460	45.4722	44089.0778	44500.0000	99.1
ICV1_ID_010822.d	PFEESA	M3PFBS - ISTD	QC	2.384	611265	161939	3.7747	4272.0391	4450.0000	96.0
BIC1_ID_010822.d	PFEESA	M3PFBS - ISTD	Sample					ND		

NFDHA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	NFDHA	M5PFHxA - ISTD	Calibration	2.578	16929	1021158	0.0166	237.6880	250.0000	95.1
CAL2_ID_010822.d	NFDHA	M5PFHxA - ISTD	Calibration	2.578	29911	942166	0.0317	454.8389	500.0000	91.0
CAL3_ID_010822.d	NFDHA	M5PFHxA - ISTD	Calibration	2.586	60360	944449	0.0639	914.2716	1000.0000	91.4
CAL4_ID_010822.d	NFDHA	M5PFHxA - ISTD	Calibration	2.586	160782	984228	0.1634	2326.3464	2500.0000	93.1
CAL5_ID_010822.d	NFDHA	M5PFHxA - ISTD	Calibration	2.594	342963	1018368	0.3368	4758.7486	5000.0000	95.2
CAL6_ID_010822.d	NFDHA	M5PFHxA - ISTD	Calibration	2.586	731854	1007229	0.7266	10095.2511	10000.0000	101.0
CAL7_ID_010822.d	NFDHA	M5PFHxA - ISTD	Calibration	2.586	1912506	982551	1.9465	25776.4006	25000.0000	103.1
CAL8_ID_010822.d	NFDHA	M5PFHxA - ISTD	Calibration	2.586	4135373	1029054	4.0186	49670.1012	50000.0000	99.3
ICV1_ID_010822.d	NFDHA	M5PFHxA - ISTD	QC	2.578	336819	983315	0.3425	4838.8603	5000.0000	96.8
BIC1_ID_010822.d	NFDHA	M5PFHxA - ISTD	Sample	2.873	165			ND		

4-2 FTS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	4-2 FTS	M2-4-2-FTS - ISTD	Calibration	2.638	3914	60633	0.0646	235.1427	234.0000	100.5
CAL2_ID_010822.d	4-2 FTS	M2-4-2-FTS - ISTD	Calibration	2.638	6960	57432	0.1212	442.0311	468.0000	94.5
CAL3_ID_010822.d	4-2 FTS	M2-4-2-FTS - ISTD	Calibration	2.646	14181	55875	0.2538	928.5341	937.0000	99.1
CAL4_ID_010822.d	4-2 FTS	M2-4-2-FTS - ISTD	Calibration	2.654	35442	59359	0.5971	2201.9143	2340.0000	94.1
CAL5_ID_010822.d	4-2 FTS	M2-4-2-FTS - ISTD	Calibration	2.654	77586	61710	1.2573	4711.0043	4680.0000	100.7
CAL6_ID_010822.d	4-2 FTS	M2-4-2-FTS - ISTD	Calibration	2.654	159457	64154	2.4855	9615.0981	9370.0000	102.6
CAL7_ID_010822.d	4-2 FTS	M2-4-2-FTS - ISTD	Calibration	2.654	404661	73888	5.4767	23289.9278	23400.0000	99.5
CAL8_ID_010822.d	4-2 FTS	M2-4-2-FTS - ISTD	Calibration	2.654	854822	91681	9.3239	48562.9914	46800.0000	103.8
ICV1_ID_010822.d	4-2 FTS	M2-4-2-FTS - ISTD	QC	2.638	75491	62890	1.2004	4491.5086	4680.0000	96.0
BIC1_ID_010822.d	4-2 FTS	M2-4-2-FTS - ISTD	Sample					ND		

PFHxA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFHxA	M5PFHxA - ISTD	Calibration	2.732	42838	1021158	0.0420	249.3413	250.0000	99.7
CAL2_ID_010822.d	PFHxA	M5PFHxA - ISTD	Calibration	2.732	77319	942166	0.0821	487.3285	500.0000	97.5
CAL3_ID_010822.d	PFHxA	M5PFHxA - ISTD	Calibration	2.732	150260	944449	0.1591	943.1195	1000.0000	94.3
CAL4_ID_010822.d	PFHxA	M5PFHxA - ISTD	Calibration	2.740	404871	984228	0.4114	2424.7464	2500.0000	97.0
CAL5_ID_010822.d	PFHxA	M5PFHxA - ISTD	Calibration	2.740	853226	1018368	0.8378	4892.6308	5000.0000	97.9
CAL6_ID_010822.d	PFHxA	M5PFHxA - ISTD	Calibration	2.740	1768685	1007229	1.7560	10058.2403	10000.0000	100.6

PFHxA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL7_ID_010822.d	PFHxA	M5PFHxA - ISTD	Calibration	2.740	4589080	982551	4.6706	25322.3878	25000.0000	101.3
CAL8_ID_010822.d	PFHxA	M5PFHxA - ISTD	Calibration	2.740	10277913	1029054	9.9877	49863.6686	50000.0000	99.7
ICV1_ID_010822.d	PFHxA	M5PFHxA - ISTD	QC	2.724	819157	983315	0.8331	4865.2198	5000.0000	97.3
BIC1_ID_010822.d	PFHxA	M5PFHxA - ISTD	Sample	2.732	144648			ND		

FBSA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	FBSA	M5PFHxA - ISTD	Calibration	2.716	15041	1021158	0.0147	209.7798	250.0000	83.9
CAL2_ID_010822.d	FBSA	M5PFHxA - ISTD	Calibration	2.716	27702	942166	0.0294	418.7626	500.0000	83.8
CAL3_ID_010822.d	FBSA	M5PFHxA - ISTD	Calibration	2.716	58367	944449	0.0618	880.1825	1000.0000	88.0
CAL4_ID_010822.d	FBSA	M5PFHxA - ISTD	Calibration	2.724	153763	984228	0.1562	2225.0444	2500.0000	89.0
CAL5_ID_010822.d	FBSA	M5PFHxA - ISTD	Calibration	2.733	323131	1018368	0.3173	4519.1425	5000.0000	90.4
CAL6_ID_010822.d	FBSA	M5PFHxA - ISTD	Calibration	2.724	684550	1007229	0.6796	9679.6428	10000.0000	96.8
CAL7_ID_010822.d	FBSA	M5PFHxA - ISTD	Calibration	2.724	1710352	982551	1.7407	24792.0840	25000.0000	99.2
CAL8_ID_010822.d	FBSA	M5PFHxA - ISTD	Calibration	2.724	3722857	1029054	3.6177	51525.3613	50000.0000	103.1
ICV1_ID_010822.d	FBSA	M5PFHxA - ISTD	QC	2.716	311727	983315	0.3170	4515.0778	5000.0000	90.3
BIC1_ID_010822.d	FBSA	M5PFHxA - ISTD	Sample					ND		

PFPeS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFPeS	M3PFHxS - ISTD	Calibration	2.860	6671	135319	0.0493	226.2697	235.0000	96.3
CAL2_ID_010822.d	PFPeS	M3PFHxS - ISTD	Calibration	2.860	12080	125306	0.0964	442.1325	470.0000	94.1
CAL3_ID_010822.d	PFPeS	M3PFHxS - ISTD	Calibration	2.860	24506	131007	0.1871	856.4545	941.0000	91.0
CAL4_ID_010822.d	PFPeS	M3PFHxS - ISTD	Calibration	2.868	64811	129448	0.5007	2279.4676	2350.0000	97.0
CAL5_ID_010822.d	PFPeS	M3PFHxS - ISTD	Calibration	2.868	137647	132762	1.0368	4675.9784	4700.0000	99.5
CAL6_ID_010822.d	PFPeS	M3PFHxS - ISTD	Calibration	2.868	289646	130416	2.2209	9818.5835	9410.0000	104.3
CAL7_ID_010822.d	PFPeS	M3PFHxS - ISTD	Calibration	2.868	717762	129711	5.5335	23261.7680	23500.0000	99.0
CAL8_ID_010822.d	PFPeS	M3PFHxS - ISTD	Calibration	2.868	1555579	127889	12.1635	47044.6268	47000.0000	100.1
ICV1_ID_010822.d	PFPeS	M3PFHxS - ISTD	QC	2.852	131722	123491	1.0667	4808.1417	4700.0000	102.3
BIC1_ID_010822.d	PFPeS	M3PFHxS - ISTD	Sample	3.082	200			ND		

HFPO-DA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	HFPO-DA	M3HFPO-DA - ISTD	Calibration	2.954	1560	198583	0.0079	319.6535	250.0000	127.9
CAL2_ID_010822.d	HFPO-DA	M3HFPO-DA - ISTD	Calibration	2.954	2183	197756	0.0110	448.4333	500.0000	89.7
CAL3_ID_010822.d	HFPO-DA	M3HFPO-DA - ISTD	Calibration	2.954	4609	176236	0.0262	1056.0730	1000.0000	105.6
CAL4_ID_010822.d	HFPO-DA	M3HFPO-DA - ISTD	Calibration	2.954	14391	189799	0.0758	3001.9575	2500.0000	120.1
CAL5_ID_010822.d	HFPO-DA	M3HFPO-DA - ISTD	Calibration	2.962	28767	214560	0.1341	5194.0028	5000.0000	103.9
CAL6_ID_010822.d	HFPO-DA	M3HFPO-DA - ISTD	Calibration	2.962	65218	212670	0.3067	11217.7643	10000.0000	112.2
CAL7_ID_010822.d	HFPO-DA	M3HFPO-DA - ISTD	Calibration	2.962	158114	234365	0.6746	22369.3065	25000.0000	89.5
CAL8_ID_010822.d	HFPO-DA	M3HFPO-DA - ISTD	Calibration	2.962	364196	191974	1.8971	50790.2879	50000.0000	101.6
ICV1_ID_010822.d	HFPO-DA	M3HFPO-DA - ISTD	QC	2.946	29838	188852	0.1580	6068.7392	5000.0000	121.4

HFPO-DA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
BIC1_ID_010822.d	HFPO-DA	M3HFPO-DA - ISTD	Sample	3.448	309	381268	0.0008	33.1066		

PFHpA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFHpA	M4PFHpA - ISTD	Calibration	3.260	51179	1023691	0.0500	264.4437	250.0000	105.8
CAL2_ID_010822.d	PFHpA	M4PFHpA - ISTD	Calibration	3.260	89589	958601	0.0935	493.8422	500.0000	98.8
CAL3_ID_010822.d	PFHpA	M4PFHpA - ISTD	Calibration	3.260	164484	940762	0.1748	922.1298	1000.0000	92.2
CAL4_ID_010822.d	PFHpA	M4PFHpA - ISTD	Calibration	3.260	432411	948871	0.4557	2388.0214	2500.0000	95.5
CAL5_ID_010822.d	PFHpA	M4PFHpA - ISTD	Calibration	3.260	925150	1001359	0.9239	4790.9495	5000.0000	95.8
CAL6_ID_010822.d	PFHpA	M4PFHpA - ISTD	Calibration	3.260	1947939	980327	1.9870	10073.1457	10000.0000	100.7
CAL7_ID_010822.d	PFHpA	M4PFHpA - ISTD	Calibration	3.260	5059454	943803	5.3607	25506.5677	25000.0000	102.0
CAL8_ID_010822.d	PFHpA	M4PFHpA - ISTD	Calibration	3.260	11145038	971089	11.4768	49794.1907	50000.0000	99.6
ICV1_ID_010822.d	PFHpA	M4PFHpA - ISTD	QC	3.252	917177	1004547	0.9130	4735.7213	5000.0000	94.7
BIC1_ID_010822.d	PFHpA	M4PFHpA - ISTD	Sample	3.260	733242			ND		

PFHxS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFHxS	M3PFHxS - ISTD	Calibration	3.285	6771	135319	0.0500	228.7808	228.0000	100.3
CAL2_ID_010822.d	PFHxS	M3PFHxS - ISTD	Calibration	3.285	10563	125306	0.0843	385.2660	457.0000	84.3
CAL3_ID_010822.d	PFHxS	M3PFHxS - ISTD	Calibration	3.285	24450	131007	0.1866	851.8994	914.0000	93.2
CAL4_ID_010822.d	PFHxS	M3PFHxS - ISTD	Calibration	3.293	59838	129448	0.4623	2103.2103	2280.0000	92.2
CAL5_ID_010822.d	PFHxS	M3PFHxS - ISTD	Calibration	3.293	136022	132762	1.0246	4631.3697	4570.0000	101.3
CAL6_ID_010822.d	PFHxS	M3PFHxS - ISTD	Calibration	3.293	275179	130416	2.1100	9422.3121	9140.0000	103.1
CAL7_ID_010822.d	PFHxS	M3PFHxS - ISTD	Calibration	3.293	685175	129711	5.2823	22814.5134	22800.0000	100.1
CAL8_ID_010822.d	PFHxS	M3PFHxS - ISTD	Calibration	3.293	1427313	127889	11.1605	45649.3295	45700.0000	99.9
ICV1_ID_010822.d	PFHxS	M3PFHxS - ISTD	QC	3.285	126571	123491	1.0249	4633.1268	4570.0000	101.4
BIC1_ID_010822.d	PFHxS	M3PFHxS - ISTD	Sample	3.317	213			ND		

ADONA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	ADONA	M4PFHpA - ISTD	Calibration	3.301	74458	1023691	0.0727	201.4332	236.0000	85.4
CAL2_ID_010822.d	ADONA	M4PFHpA - ISTD	Calibration	3.301	139194	958601	0.1452	402.0217	472.0000	85.2
CAL3_ID_010822.d	ADONA	M4PFHpA - ISTD	Calibration	3.301	285337	940762	0.3033	839.2205	945.0000	88.8
CAL4_ID_010822.d	ADONA	M4PFHpA - ISTD	Calibration	3.309	734809	948871	0.7744	2138.7827	2360.0000	90.6
CAL5_ID_010822.d	ADONA	M4PFHpA - ISTD	Calibration	3.309	1556077	1001359	1.5540	4278.8684	4720.0000	90.7
CAL6_ID_010822.d	ADONA	M4PFHpA - ISTD	Calibration	3.309	3306509	980327	3.3729	9222.9701	9450.0000	97.6
CAL7_ID_010822.d	ADONA	M4PFHpA - ISTD	Calibration	3.309	8996093	943803	9.5317	25484.2025	23600.0000	108.0
CAL8_ID_010822.d	ADONA	M4PFHpA - ISTD	Calibration	3.309	17336813	971089	17.8530	46403.5047	47200.0000	98.3
ICV1_ID_010822.d	ADONA	M4PFHpA - ISTD	QC	3.301	1486358	1004547	1.4796	4075.3546	4720.0000	86.3
BIC1_ID_010822.d	ADONA	M4PFHpA - ISTD	Sample	3.317	233			ND		

6-2 FTS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	6-2 FTS	M2-6-2-FTS - ISTD	Calibration	3.510	2893	39425	0.0734	285.8355	238.0000	120.1
CAL2_ID_010822.d	6-2 FTS	M2-6-2-FTS - ISTD	Calibration	3.510	3851	36258	0.1062	413.9691	476.0000	87.0
CAL3_ID_010822.d	6-2 FTS	M2-6-2-FTS - ISTD	Calibration	3.510	8827	35097	0.2515	983.0346	951.0000	103.4
CAL4_ID_010822.d	6-2 FTS	M2-6-2-FTS - ISTD	Calibration	3.518	20486	38891	0.5268	2070.4426	2380.0000	87.0
CAL5_ID_010822.d	6-2 FTS	M2-6-2-FTS - ISTD	Calibration	3.518	42846	39762	1.0776	4283.9431	4760.0000	90.0
CAL6_ID_010822.d	6-2 FTS	M2-6-2-FTS - ISTD	Calibration	3.518	92676	41972	2.2081	8997.8278	9510.0000	94.6
CAL7_ID_010822.d	6-2 FTS	M2-6-2-FTS - ISTD	Calibration	3.518	241506	40782	5.9219	26620.8107	23800.0000	111.9
CAL8_ID_010822.d	6-2 FTS	M2-6-2-FTS - ISTD	Calibration	3.518	497302	54902	9.0579	45895.9567	47600.0000	96.4
ICV1_ID_010822.d	6-2 FTS	M2-6-2-FTS - ISTD	QC	3.510	46372	38844	1.1938	4757.6179	4760.0000	99.9
BIC1_ID_010822.d	6-2 FTS	M2-6-2-FTS - ISTD	Sample	3.494	202			ND		

PFOA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFOA	M8PFOA - ISTD	Calibration	3.518	42602	1056056	0.0403	219.1462	250.0000	87.7
CAL2_ID_010822.d	PFOA	M8PFOA - ISTD	Calibration	3.518	76559	975223	0.0785	426.0845	500.0000	85.2
CAL3_ID_010822.d	PFOA	M8PFOA - ISTD	Calibration	3.526	170973	974228	0.1755	950.3801	1000.0000	95.0
CAL4_ID_010822.d	PFOA	M8PFOA - ISTD	Calibration	3.526	431114	1009366	0.4271	2299.7626	2500.0000	92.0
CAL5_ID_010822.d	PFOA	M8PFOA - ISTD	Calibration	3.526	916469	1038549	0.8825	4703.5795	5000.0000	94.1
CAL6_ID_010822.d	PFOA	M8PFOA - ISTD	Calibration	3.526	1888517	972355	1.9422	10122.0976	10000.0000	101.2
CAL7_ID_010822.d	PFOA	M8PFOA - ISTD	Calibration	3.526	4914665	930683	5.2807	25852.7189	25000.0000	103.4
CAL8_ID_010822.d	PFOA	M8PFOA - ISTD	Calibration	3.526	10187893	920230	11.0710	49647.6059	50000.0000	99.3
ICV1_ID_010822.d	PFOA	M8PFOA - ISTD	QC	3.518	907873	1017739	0.8920	4753.7303	5000.0000	95.1
BIC1_ID_010822.d	PFOA	M8PFOA - ISTD	Sample	3.518	34287526			ND		

PFHpS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFHpS	M8PFOS - ISTD	Calibration	3.525	2946	156470	0.0188	182.6399	238.0000	76.7
CAL2_ID_010822.d	PFHpS	M8PFOS - ISTD	Calibration	3.525	6201	151766	0.0409	396.3459	476.0000	83.3
CAL3_ID_010822.d	PFHpS	M8PFOS - ISTD	Calibration	3.533	13923	152376	0.0914	885.9407	953.0000	93.0
CAL4_ID_010822.d	PFHpS	M8PFOS - ISTD	Calibration	3.533	33016	157061	0.2102	2036.2465	2380.0000	85.6
CAL5_ID_010822.d	PFHpS	M8PFOS - ISTD	Calibration	3.533	78071	165013	0.4731	4573.5931	4760.0000	96.1
CAL6_ID_010822.d	PFHpS	M8PFOS - ISTD	Calibration	3.533	164067	154476	1.0621	10220.1617	9530.0000	107.2
CAL7_ID_010822.d	PFHpS	M8PFOS - ISTD	Calibration	3.533	385346	152405	2.5284	24061.2979	23800.0000	101.1
CAL8_ID_010822.d	PFHpS	M8PFOS - ISTD	Calibration	3.533	791278	156022	5.0716	47379.3817	47600.0000	99.5
ICV1_ID_010822.d	PFHpS	M8PFOS - ISTD	QC	3.525	76242	152799	0.4990	4822.4776	4760.0000	101.3
BIC1_ID_010822.d	PFHpS	M8PFOS - ISTD	Sample	3.845	192			ND		

FHxSA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	FHxSA	M8PFOA - ISTD	Calibration	3.632	18719	1056056	0.0177	244.2385	250.0000	97.7
CAL2_ID_010822.d	FHxSA	M8PFOA - ISTD	Calibration	3.632	33408	975223	0.0343	471.3326	500.0000	94.3
CAL3_ID_010822.d	FHxSA	M8PFOA - ISTD	Calibration	3.632	67960	974228	0.0698	956.8239	1000.0000	95.7

FHxSA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL4_ID_010822.d	FHxSA	M8PFOA - ISTD	Calibration	3.640	176073	1009366	0.1744	2371.3503	2500.0000	94.9
CAL5_ID_010822.d	FHxSA	M8PFOA - ISTD	Calibration	3.640	372038	1038549	0.3582	4796.5443	5000.0000	95.9
CAL6_ID_010822.d	FHxSA	M8PFOA - ISTD	Calibration	3.640	797985	972355	0.8207	10606.3223	10000.0000	106.1
CAL7_ID_010822.d	FHxSA	M8PFOA - ISTD	Calibration	3.640	1935046	930683	2.0792	24770.5854	25000.0000	99.1
CAL8_ID_010822.d	FHxSA	M8PFOA - ISTD	Calibration	3.640	4402680	920230	4.7843	50026.4779	50000.0000	100.1
ICV1_ID_010822.d	FHxSA	M8PFOA - ISTD	QC	3.632	361339	1017739	0.3550	4755.0885	5000.0000	95.1
BIC1_ID_010822.d	FHxSA	M8PFOA - ISTD	Sample					ND		

PFOS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFOS	M8PFOS - ISTD	Calibration	3.701	10528	156470	0.0673	290.9807	232.0000	125.4
CAL2_ID_010822.d	PFOS	M8PFOS - ISTD	Calibration	3.701	15943	151766	0.1051	454.3093	464.0000	97.9
CAL3_ID_010822.d	PFOS	M8PFOS - ISTD	Calibration	3.709	28418	152376	0.1865	806.5411	928.0000	86.9
CAL4_ID_010822.d	PFOS	M8PFOS - ISTD	Calibration	3.709	75830	157061	0.4828	2087.9617	2320.0000	90.0
CAL5_ID_010822.d	PFOS	M8PFOS - ISTD	Calibration	3.709	156232	165013	0.9468	4094.5188	4640.0000	88.2
CAL6_ID_010822.d	PFOS	M8PFOS - ISTD	Calibration	3.709	321898	154476	2.0838	9011.7214	9280.0000	97.1
CAL7_ID_010822.d	PFOS	M8PFOS - ISTD	Calibration	3.709	829893	152405	5.4453	23549.1042	23200.0000	101.5
CAL8_ID_010822.d	PFOS	M8PFOS - ISTD	Calibration	3.709	1701731	156022	10.9070	47168.8629	46400.0000	101.7
ICV1_ID_010822.d	PFOS	M8PFOS - ISTD	QC	3.693	149728	152799	0.9799	4237.7452	4640.0000	91.3
BIC1_ID_010822.d	PFOS	M8PFOS - ISTD	Sample	3.868	1576			ND		

PFNA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFNA	M9PFNA - ISTD	Calibration	3.709	53194	1190760	0.0447	222.6094	250.0000	89.0
CAL2_ID_010822.d	PFNA	M9PFNA - ISTD	Calibration	3.701	101564	1066446	0.0952	474.2272	500.0000	94.8
CAL3_ID_010822.d	PFNA	M9PFNA - ISTD	Calibration	3.709	207145	1040267	0.1991	990.0525	1000.0000	99.0
CAL4_ID_010822.d	PFNA	M9PFNA - ISTD	Calibration	3.709	533092	1126963	0.4730	2342.6497	2500.0000	93.7
CAL5_ID_010822.d	PFNA	M9PFNA - ISTD	Calibration	3.709	1064920	1199705	0.8877	4370.1893	5000.0000	87.4
CAL6_ID_010822.d	PFNA	M9PFNA - ISTD	Calibration	3.709	2267056	1153235	1.9658	9535.7528	10000.0000	95.4
CAL7_ID_010822.d	PFNA	M9PFNA - ISTD	Calibration	3.709	6271760	1070590	5.8582	27063.6710	25000.0000	108.3
CAL8_ID_010822.d	PFNA	M9PFNA - ISTD	Calibration	3.709	12322098	1091095	11.2933	49211.4885	50000.0000	98.4
ICV1_ID_010822.d	PFNA	M9PFNA - ISTD	QC	3.701	1059832	1117370	0.9485	4665.7966	5000.0000	93.3
BIC1_ID_010822.d	PFNA	M9PFNA - ISTD	Sample	3.693	56572			ND		

9Cl-PF3ONS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	9Cl-PF3ONS	M8PFOS - ISTD	Calibration	3.787	27860	156470	0.1781	223.9824	233.0000	96.1
CAL2_ID_010822.d	9Cl-PF3ONS	M8PFOS - ISTD	Calibration	3.787	52931	151766	0.3488	438.1489	466.0000	94.0
CAL3_ID_010822.d	9Cl-PF3ONS	M8PFOS - ISTD	Calibration	3.795	102844	152376	0.6749	845.7547	933.0000	90.6
CAL4_ID_010822.d	9Cl-PF3ONS	M8PFOS - ISTD	Calibration	3.803	283333	157061	1.8040	2241.0971	2330.0000	96.2
CAL5_ID_010822.d	9Cl-PF3ONS	M8PFOS - ISTD	Calibration	3.803	592788	165013	3.5924	4404.1718	4660.0000	94.5
CAL6_ID_010822.d	9Cl-PF3ONS	M8PFOS - ISTD	Calibration	3.803	1232739	154476	7.9801	9489.9340	9330.0000	101.7

9Cl-PF3ONS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL7_ID_010822.d	9Cl-PF3ONS	M8PFOS - ISTD	Calibration	3.803	3304431	152405	21.6819	23779.6484	23300.0000	102.1
CAL8_ID_010822.d	9Cl-PF3ONS	M8PFOS - ISTD	Calibration	3.803	7413567	156022	47.5161	46402.3777	46600.0000	99.6
ICV1_ID_010822.d	9Cl-PF3ONS	M8PFOS - ISTD	QC	3.787	562783	152799	3.6832	4512.4918	4660.0000	96.8
BIC1_ID_010822.d	9Cl-PF3ONS	M8PFOS - ISTD	Sample	3.779	579			ND		

PFNS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFNS	M8PFOS - ISTD	Calibration	3.851	2503	156470	0.0160	217.7986	240.0000	90.7
CAL2_ID_010822.d	PFNS	M8PFOS - ISTD	Calibration	3.851	5411	151766	0.0357	485.3063	481.0000	100.9
CAL3_ID_010822.d	PFNS	M8PFOS - ISTD	Calibration	3.859	8209	152376	0.0539	733.1655	962.0000	76.2
CAL4_ID_010822.d	PFNS	M8PFOS - ISTD	Calibration	3.859	24083	157061	0.1533	2083.8862	2400.0000	86.8
CAL5_ID_010822.d	PFNS	M8PFOS - ISTD	Calibration	3.859	54171	165013	0.3283	4450.8043	4810.0000	92.5
CAL6_ID_010822.d	PFNS	M8PFOS - ISTD	Calibration	3.859	115709	154476	0.7490	10096.9614	9620.0000	105.0
CAL7_ID_010822.d	PFNS	M8PFOS - ISTD	Calibration	3.859	285935	152405	1.8762	24914.5291	24000.0000	103.8
CAL8_ID_010822.d	PFNS	M8PFOS - ISTD	Calibration	3.859	572307	156022	3.6681	47626.7476	48100.0000	99.0
ICV1_ID_010822.d	PFNS	M8PFOS - ISTD	QC	3.843	53463	152799	0.3499	4742.3050	4810.0000	98.6
BIC1_ID_010822.d	PFNS	M8PFOS - ISTD	Sample					ND		

8-2 FTS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	8-2 FTS	M2-8-2-FTS - ISTD	Calibration	3.859	4187	97605	0.0429	217.8942	240.0000	90.8
CAL2_ID_010822.d	8-2 FTS	M2-8-2-FTS - ISTD	Calibration	3.859	6143	86601	0.0709	360.5689	480.0000	75.1
CAL3_ID_010822.d	8-2 FTS	M2-8-2-FTS - ISTD	Calibration	3.867	14082	79936	0.1762	898.3107	960.0000	93.6
CAL4_ID_010822.d	8-2 FTS	M2-8-2-FTS - ISTD	Calibration	3.867	35094	69893	0.5021	2585.5061	2400.0000	107.7
CAL5_ID_010822.d	8-2 FTS	M2-8-2-FTS - ISTD	Calibration	3.867	75143	83630	0.8985	4684.2434	4800.0000	97.6
CAL6_ID_010822.d	8-2 FTS	M2-8-2-FTS - ISTD	Calibration	3.867	154687	85317	1.8131	9743.9268	9600.0000	101.5
CAL7_ID_010822.d	8-2 FTS	M2-8-2-FTS - ISTD	Calibration	3.867	349985	85634	4.0870	24067.5166	24000.0000	100.3
CAL8_ID_010822.d	8-2 FTS	M2-8-2-FTS - ISTD	Calibration	3.867	683575	99967	6.8380	47898.2989	48000.0000	99.8
ICV1_ID_010822.d	8-2 FTS	M2-8-2-FTS - ISTD	QC	3.851	85587	98172	0.8718	4541.1574	4800.0000	94.6
BIC1_ID_010822.d	8-2 FTS	M2-8-2-FTS - ISTD	Sample	3.932	100			ND		

PFDA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFDA	M6PFDA - ISTD	Calibration	3.852	50044	1048326	0.0477	233.5391	250.0000	93.4
CAL2_ID_010822.d	PFDA	M6PFDA - ISTD	Calibration	3.852	88890	1030995	0.0862	421.4837	500.0000	84.3
CAL3_ID_010822.d	PFDA	M6PFDA - ISTD	Calibration	3.860	189979	987842	0.1923	938.3010	1000.0000	93.8
CAL4_ID_010822.d	PFDA	M6PFDA - ISTD	Calibration	3.868	469948	1002124	0.4690	2276.3059	2500.0000	91.1
CAL5_ID_010822.d	PFDA	M6PFDA - ISTD	Calibration	3.868	986300	1070697	0.9212	4434.8816	5000.0000	88.7
CAL6_ID_010822.d	PFDA	M6PFDA - ISTD	Calibration	3.868	2029102	946174	2.1445	10107.5818	10000.0000	101.1
CAL7_ID_010822.d	PFDA	M6PFDA - ISTD	Calibration	3.868	5446997	919139	5.9262	26346.1434	25000.0000	105.4
CAL8_ID_010822.d	PFDA	M6PFDA - ISTD	Calibration	3.868	10856304	903045	12.0219	49452.4117	50000.0000	98.9
ICV1_ID_010822.d	PFDA	M6PFDA - ISTD	QC	3.852	1017673	1084340	0.9385	4516.9696	5000.0000	90.3

PFDA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
BIC1_ID_010822.d	PFDA	M6PFDA - ISTD	Sample	4.238	39255			ND		

N-MeFOSAA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Calibration	3.930	11434	150549	0.0760	269.9535	250.0000	108.0
CAL2_ID_010822.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Calibration	3.930	18867	144242	0.1308	464.9120	500.0000	93.0
CAL3_ID_010822.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Calibration	3.938	36669	146964	0.2495	886.8343	1000.0000	88.7
CAL4_ID_010822.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Calibration	3.946	99456	155495	0.6396	2273.3474	2500.0000	90.9
CAL5_ID_010822.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Calibration	3.946	216564	154452	1.4021	4983.6203	5000.0000	99.7
CAL6_ID_010822.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Calibration	3.946	434786	159155	2.7318	9709.7580	10000.0000	97.1
CAL7_ID_010822.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Calibration	3.946	1093017	150969	7.2400	25733.1417	25000.0000	102.9
CAL8_ID_010822.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Calibration	3.946	2327638	166438	13.9851	49706.9626	50000.0000	99.4
ICV1_ID_010822.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	QC	3.922	204310	151690	1.3469	4787.2249	5000.0000	95.7
BIC1_ID_010822.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Sample	3.938	274	1261946	0.0002	0.7712		

PFDS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFDS	M3PFBS - ISTD	Calibration	3.977	5288	168142	0.0315	188.1561	241.0000	78.1
CAL2_ID_010822.d	PFDS	M3PFBS - ISTD	Calibration	3.985	12093	156082	0.0775	463.5270	482.0000	96.2
CAL3_ID_010822.d	PFDS	M3PFBS - ISTD	Calibration	3.993	21805	156914	0.1390	831.3347	965.0000	86.1
CAL4_ID_010822.d	PFDS	M3PFBS - ISTD	Calibration	4.001	52149	159469	0.3270	1956.3222	2410.0000	81.2
CAL5_ID_010822.d	PFDS	M3PFBS - ISTD	Calibration	4.001	126680	167711	0.7553	4518.7836	4820.0000	93.8
CAL6_ID_010822.d	PFDS	M3PFBS - ISTD	Calibration	4.001	260424	165984	1.5690	9386.2342	9650.0000	97.3
CAL7_ID_010822.d	PFDS	M3PFBS - ISTD	Calibration	4.001	624366	157920	3.9537	23652.4869	24100.0000	98.1
CAL8_ID_010822.d	PFDS	M3PFBS - ISTD	Calibration	4.001	1358531	167460	8.1126	48532.4950	48200.0000	100.7
ICV1_ID_010822.d	PFDS	M3PFBS - ISTD	QC	3.977	118947	161939	0.7345	4394.1908	4820.0000	91.2
BIC1_ID_010822.d	PFDS	M3PFBS - ISTD	Sample	3.905	178			ND		

PFUnA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFUnA	M7PFUnA - ISTD	Calibration	3.994	64738	1293649	0.0500	256.4036	250.0000	102.6
CAL2_ID_010822.d	PFUnA	M7PFUnA - ISTD	Calibration	3.994	102904	1250622	0.0823	421.5255	500.0000	84.3
CAL3_ID_010822.d	PFUnA	M7PFUnA - ISTD	Calibration	4.010	208170	1265890	0.1644	842.1034	1000.0000	84.2
CAL4_ID_010822.d	PFUnA	M7PFUnA - ISTD	Calibration	4.018	575767	1232906	0.4670	2387.9651	2500.0000	95.5
CAL5_ID_010822.d	PFUnA	M7PFUnA - ISTD	Calibration	4.018	1141680	1292975	0.8830	4506.0968	5000.0000	90.1
CAL6_ID_010822.d	PFUnA	M7PFUnA - ISTD	Calibration	4.018	2355532	1296131	1.8174	9233.4043	10000.0000	92.3
CAL7_ID_010822.d	PFUnA	M7PFUnA - ISTD	Calibration	4.018	6577967	1186942	5.5419	27679.2739	25000.0000	110.7
CAL8_ID_010822.d	PFUnA	M7PFUnA - ISTD	Calibration	4.010	12048773	1206795	9.9841	48910.8953	50000.0000	97.8
ICV1_ID_010822.d	PFUnA	M7PFUnA - ISTD	QC	3.986	1207323	1339267	0.9015	4600.0661	5000.0000	92.0
BIC1_ID_010822.d	PFUnA	M7PFUnA - ISTD	Sample	4.317	26438			ND		

N-EtFOSAA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Calibration	4.002	8364	164821	0.0507	218.2882	250.0000	87.3
CAL2_ID_010822.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Calibration	4.002	16549	150809	0.1097	471.8234	500.0000	94.4
CAL3_ID_010822.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Calibration	4.018	32760	165379	0.1981	851.0939	1000.0000	85.1
CAL4_ID_010822.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Calibration	4.026	84104	166311	0.5057	2167.1989	2500.0000	86.7
CAL5_ID_010822.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Calibration	4.026	178521	166111	1.0747	4584.2360	5000.0000	91.7
CAL6_ID_010822.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Calibration	4.026	367848	160866	2.2867	9659.6102	10000.0000	96.6
CAL7_ID_010822.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Calibration	4.026	897403	135076	6.6437	27159.0492	25000.0000	108.6
CAL8_ID_010822.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Calibration	4.026	1784750	142767	12.5011	49114.7638	50000.0000	98.2
ICV1_ID_010822.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	QC	3.994	168555	160145	1.0525	4490.3901	5000.0000	89.8
BIC1_ID_010822.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Sample	3.994	46	1353891	0.0000	0.1461		

FOSA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	FOSA	M8FOSA - ISTD	Calibration	4.005	20475	423409	0.0484	276.2055	250.0000	110.5
CAL2_ID_010822.d	FOSA	M8FOSA - ISTD	Calibration	4.005	35159	406754	0.0864	493.1816	500.0000	98.6
CAL3_ID_010822.d	FOSA	M8FOSA - ISTD	Calibration	4.021	66706	393959	0.1693	963.8793	1000.0000	96.4
CAL4_ID_010822.d	FOSA	M8FOSA - ISTD	Calibration	4.029	182203	402260	0.4529	2558.6236	2500.0000	102.3
CAL5_ID_010822.d	FOSA	M8FOSA - ISTD	Calibration	4.029	384077	438568	0.8758	4891.9659	5000.0000	97.8
CAL6_ID_010822.d	FOSA	M8FOSA - ISTD	Calibration	4.029	776176	434603	1.7859	9750.5537	10000.0000	97.5
CAL7_ID_010822.d	FOSA	M8FOSA - ISTD	Calibration	4.029	1962380	392302	5.0022	25449.4229	25000.0000	101.8
CAL8_ID_010822.d	FOSA	M8FOSA - ISTD	Calibration	4.029	4302454	397012	10.8371	49854.5323	50000.0000	99.7
ICV1_ID_010822.d	FOSA	M8FOSA - ISTD	QC	4.005	377295	415209	0.9087	5071.5982	5000.0000	101.4
BIC1_ID_010822.d	FOSA	M8FOSA - ISTD	Sample					ND		

11Cl-PF3OUdS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	11Cl-PF3OUdS	M8PFOS - ISTD	Calibration	4.057	12749	156470	0.0815	215.0020	236.0000	91.1
CAL2_ID_010822.d	11Cl-PF3OUdS	M8PFOS - ISTD	Calibration	4.057	25178	151766	0.1659	437.2633	472.0000	92.6
CAL3_ID_010822.d	11Cl-PF3OUdS	M8PFOS - ISTD	Calibration	4.073	61801	152376	0.4056	1065.5233	943.0000	113.0
CAL4_ID_010822.d	11Cl-PF3OUdS	M8PFOS - ISTD	Calibration	4.080	138474	157061	0.8817	2301.4197	2360.0000	97.5
CAL5_ID_010822.d	11Cl-PF3OUdS	M8PFOS - ISTD	Calibration	4.081	291431	165013	1.7661	4556.9783	4720.0000	96.5
CAL6_ID_010822.d	11Cl-PF3OUdS	M8PFOS - ISTD	Calibration	4.081	625427	154476	4.0487	10155.8581	9430.0000	107.7
CAL7_ID_010822.d	11Cl-PF3OUdS	M8PFOS - ISTD	Calibration	4.081	1472521	152405	9.6619	22802.8629	23600.0000	96.6
CAL8_ID_010822.d	11Cl-PF3OUdS	M8PFOS - ISTD	Calibration	4.080	3497211	156022	22.4148	47436.4420	47200.0000	100.5
ICV1_ID_010822.d	11Cl-PF3OUdS	M8PFOS - ISTD	QC	4.049	283647	152799	1.8563	4784.2279	4720.0000	101.4
BIC1_ID_010822.d	11Cl-PF3OUdS	M8PFOS - ISTD	Sample	4.041	1042			ND		

PFDoA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFDoA	MPFDoA - ISTD	Calibration	4.121	72344	1391244	0.0520	242.9667	250.0000	97.2
CAL2_ID_010822.d	PFDoA	MPFDoA - ISTD	Calibration	4.121	161443	1295086	0.1247	582.4627	500.0000	116.5
CAL3_ID_010822.d	PFDoA	MPFDoA - ISTD	Calibration	4.145	284198	1325317	0.2144	1001.9575	1000.0000	100.2

PFDoA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL4_ID_010822.d	PFDoA	MPFDoA - ISTD	Calibration	4.153	618203	1313465	0.4707	2199.1772	2500.0000	88.0
CAL5_ID_010822.d	PFDoA	MPFDoA - ISTD	Calibration	4.153	1364225	1406193	0.9702	4533.0305	5000.0000	90.7
CAL6_ID_010822.d	PFDoA	MPFDoA - ISTD	Calibration	4.153	2894272	1379732	2.0977	9801.4934	10000.0000	98.0
CAL7_ID_010822.d	PFDoA	MPFDoA - ISTD	Calibration	4.153	7709750	1302981	5.9170	27647.1155	25000.0000	110.6
CAL8_ID_010822.d	PFDoA	MPFDoA - ISTD	Calibration	4.153	13950853	1351217	10.3247	48241.7967	50000.0000	96.5
ICV1_ID_010822.d	PFDoA	MPFDoA - ISTD	QC	4.113	1435925	1432164	1.0026	4684.7522	5000.0000	93.7
BIC1_ID_010822.d	PFDoA	MPFDoA - ISTD	Sample	4.274	9046			ND		

PFTrDA

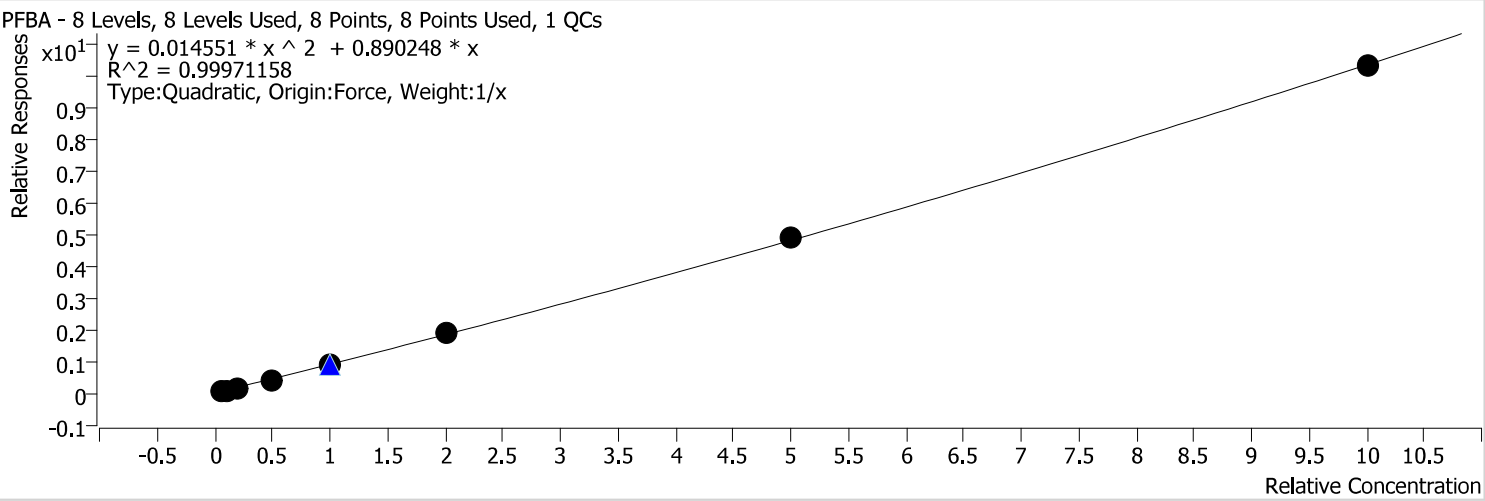
Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFTrDA	M2PFTA - ISTD	Calibration	4.233	99515	1817897	0.0547	239.8501	250.0000	95.9
CAL2_ID_010822.d	PFTrDA	M2PFTA - ISTD	Calibration	4.233	166586	1646571	0.1012	443.6001	500.0000	88.7
CAL3_ID_010822.d	PFTrDA	M2PFTA - ISTD	Calibration	4.266	309933	1662075	0.1865	818.7072	1000.0000	81.9
CAL4_ID_010822.d	PFTrDA	M2PFTA - ISTD	Calibration	4.274	810452	1688788	0.4799	2116.7471	2500.0000	84.7
CAL5_ID_010822.d	PFTrDA	M2PFTA - ISTD	Calibration	4.274	1682878	1714381	0.9816	4364.7256	5000.0000	87.3
CAL6_ID_010822.d	PFTrDA	M2PFTA - ISTD	Calibration	4.274	3706629	1644988	2.2533	10235.0195	10000.0000	102.4
CAL7_ID_010822.d	PFTrDA	M2PFTA - ISTD	Calibration	4.274	9434655	1669081	5.6526	27402.8413	25000.0000	109.6
CAL8_ID_010822.d	PFTrDA	M2PFTA - ISTD	Calibration	4.274	15258245	1660954	9.1864	48559.9977	50000.0000	97.1
ICV1_ID_010822.d	PFTrDA	M2PFTA - ISTD	QC	4.225	1729467	1785281	0.9687	4306.5170	5000.0000	86.1
BIC1_ID_010822.d	PFTrDA	M2PFTA - ISTD	Sample	4.290	18490			ND		

PFTA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_010822.d	PFTA	M2PFTA - ISTD	Calibration	4.338	85879	1817897	0.0472	218.6168	250.0000	87.4
CAL2_ID_010822.d	PFTA	M2PFTA - ISTD	Calibration	4.338	151862	1646571	0.0922	427.1183	500.0000	85.4
CAL3_ID_010822.d	PFTA	M2PFTA - ISTD	Calibration	4.371	272304	1662075	0.1638	759.5998	1000.0000	76.0
CAL4_ID_010822.d	PFTA	M2PFTA - ISTD	Calibration	4.387	757802	1688788	0.4487	2090.1636	2500.0000	83.6
CAL5_ID_010822.d	PFTA	M2PFTA - ISTD	Calibration	4.387	1608046	1714381	0.9380	4404.7807	5000.0000	88.1
CAL6_ID_010822.d	PFTA	M2PFTA - ISTD	Calibration	4.387	3399853	1644988	2.0668	9897.6544	10000.0000	99.0
CAL7_ID_010822.d	PFTA	M2PFTA - ISTD	Calibration	4.387	9188845	1669081	5.5053	28226.3494	25000.0000	112.9
CAL8_ID_010822.d	PFTA	M2PFTA - ISTD	Calibration	4.387	14403421	1660954	8.6718	48160.0106	50000.0000	96.3
ICV1_ID_010822.d	PFTA	M2PFTA - ISTD	QC	4.322	1552475	1785281	0.8696	4078.9836	5000.0000	81.6
BIC1_ID_010822.d	PFTA	M2PFTA - ISTD	Sample	4.649	1676			ND		

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:11 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

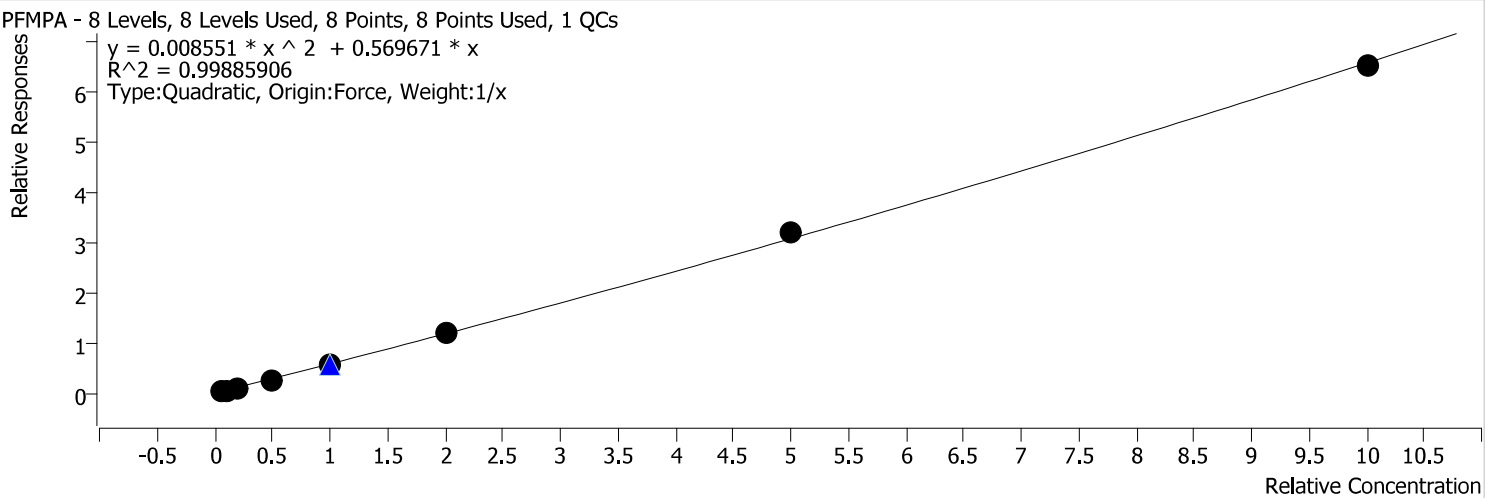
PFBA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	117545	1000.0000	0.8568
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	300946	2500.0000	0.8499
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	648576	5000.0000	0.8730
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	606824	5000.0000	0.8602
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	1344919	10000.0000	0.9302
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	3473581	25000.0000	0.9820
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Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

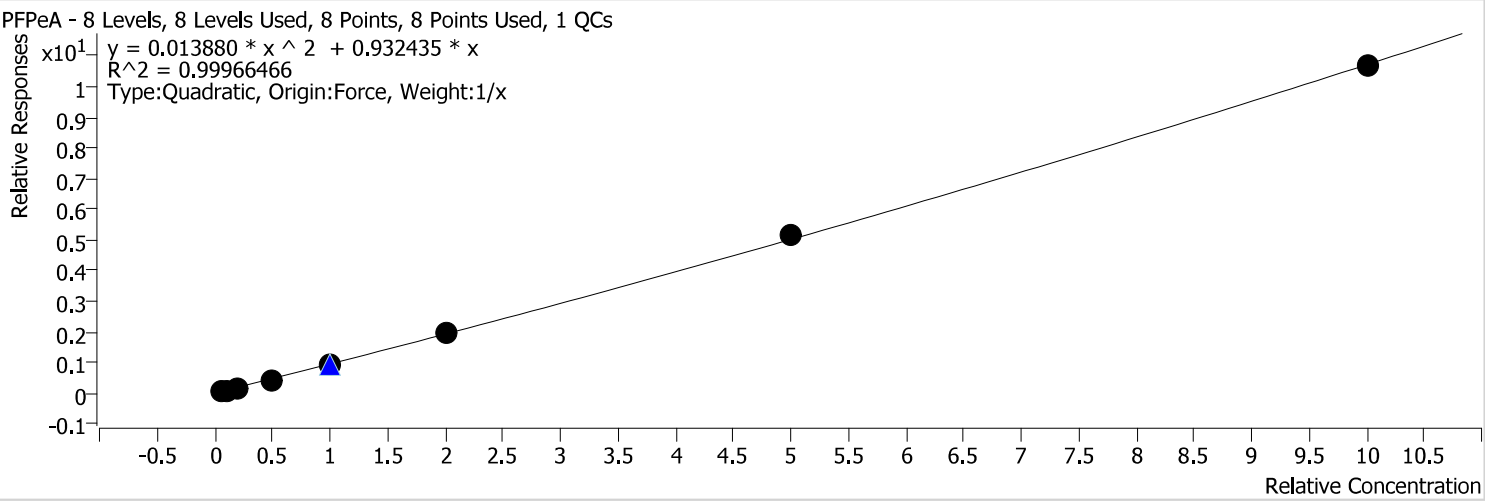
PFMPA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	71547	1000.0000	0.5215
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	186022	2500.0000	0.5253
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	401822	5000.0000	0.5408
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	386734	5000.0000	0.5482
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	848415	10000.0000	0.5868
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	2268442	25000.0000	0.6413
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	4910208	50000.0000	0.6485

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

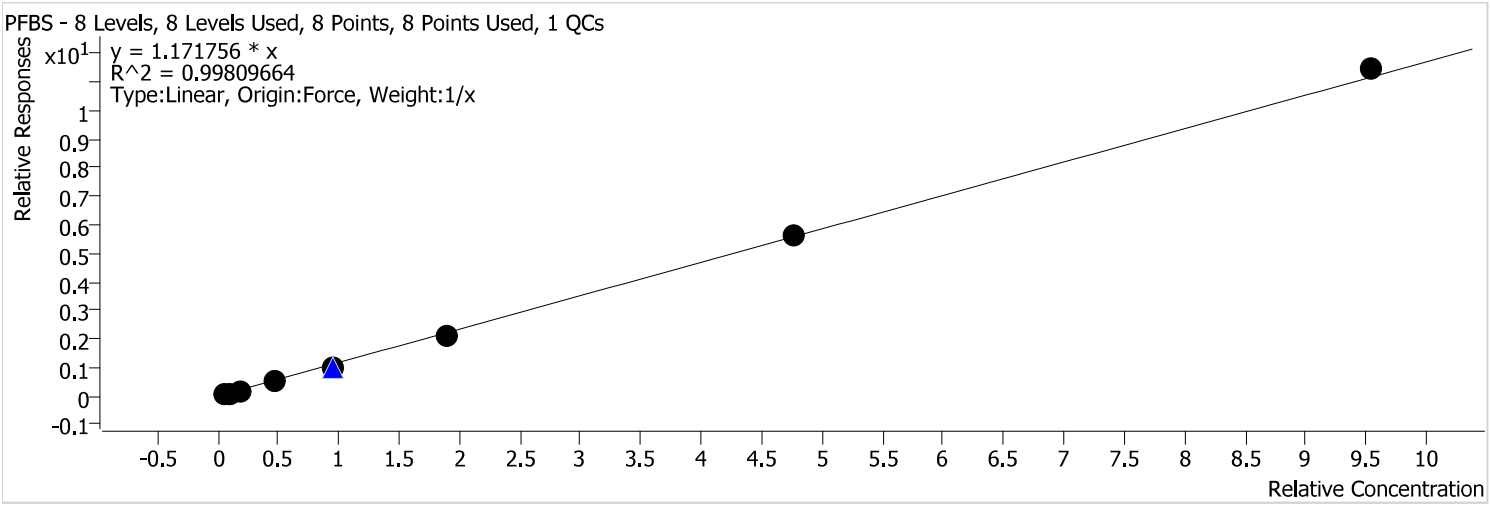
PFPeA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	31915	250.0000	0.9104
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	58051	500.0000	0.8885
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	115665	1000.0000	0.8930
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	299050	2500.0000	0.8806
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	651026	5000.0000	0.9140
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	615974	5000.0000	0.9040
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	1352082	10000.0000	0.9706
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	3458321	25000.0000	1.0235
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	7704422	50000.0000	1.0659

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

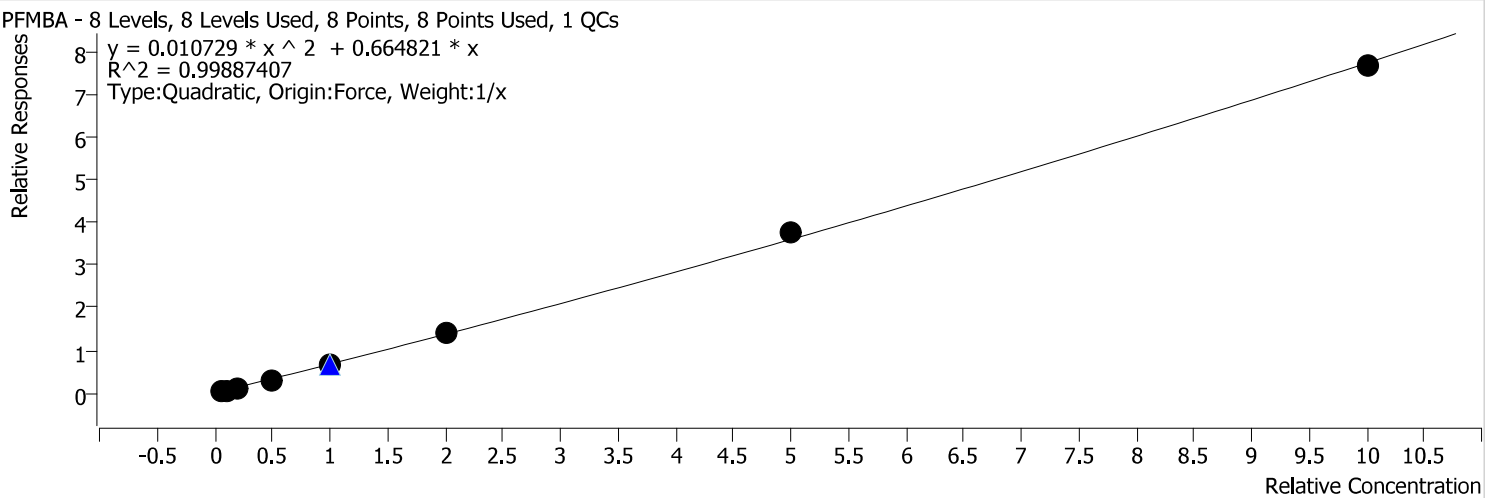
PFBS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	15034	444.0000	1.0109
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	29411	887.0000	0.9847
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	78524	2220.0000	1.0336
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	169794	4440.0000	1.0626
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	163605	4440.0000	1.0604
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	355518	8870.0000	1.1253
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	886403	22200.0000	1.1782
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	1917427	44400.0000	1.2017

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

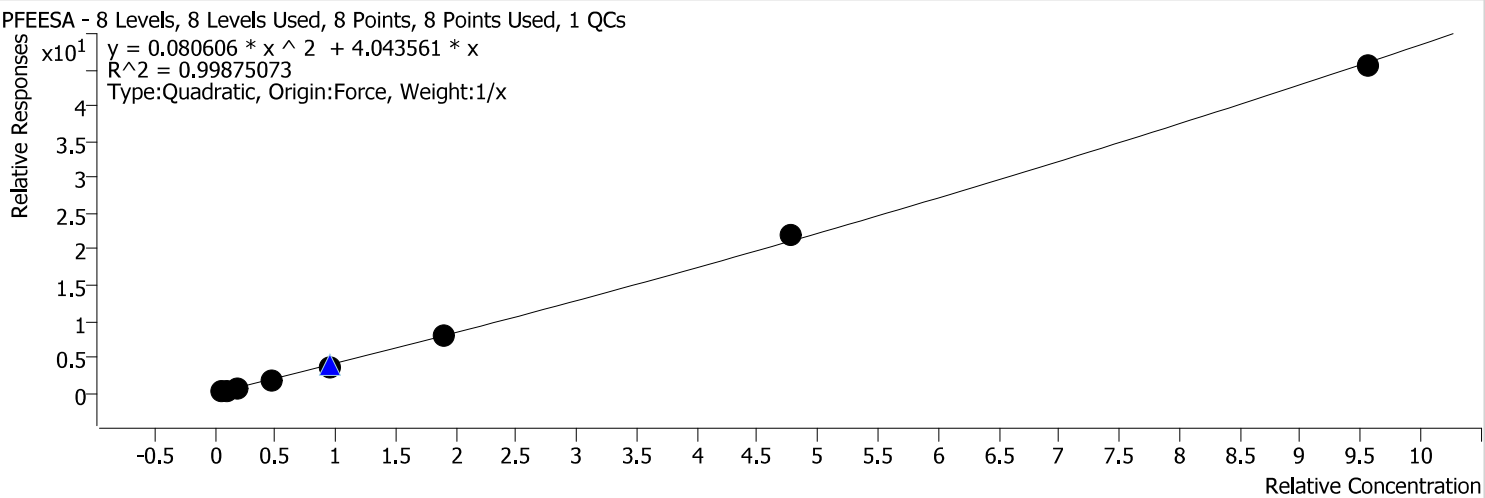
PFMBA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	76449	1000.0000	0.5902
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	211459	2500.0000	0.6227
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	449475	5000.0000	0.6310
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	438058	5000.0000	0.6429
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	957655	10000.0000	0.6874
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	2540078	25000.0000	0.7518
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	5524786	50000.0000	0.7643

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

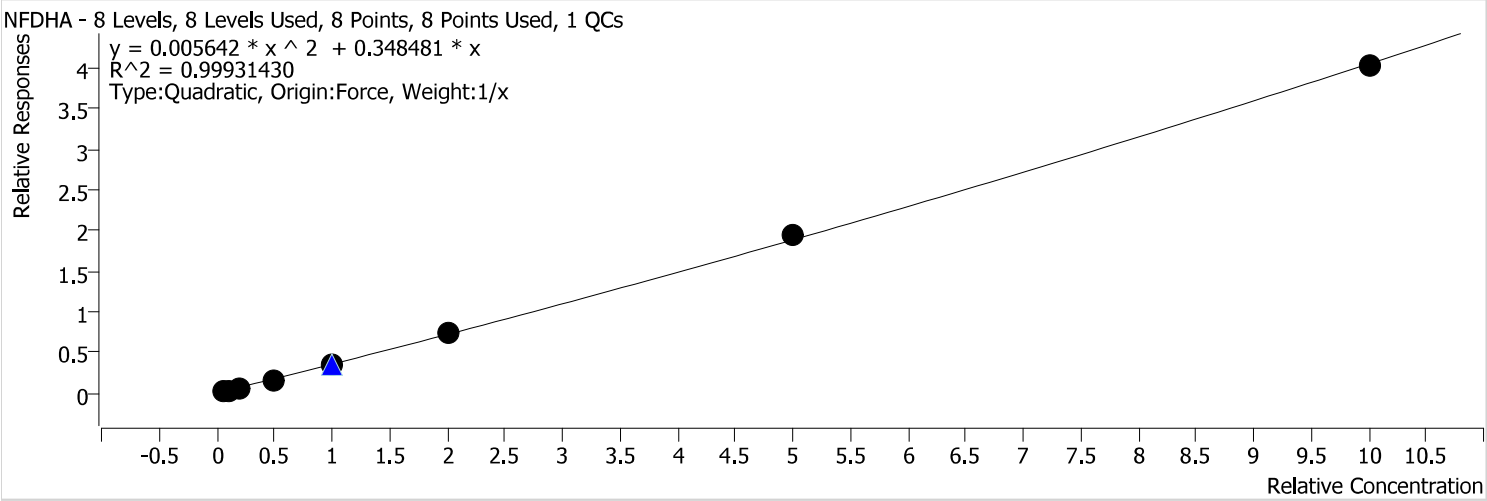
PFEESA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	107017	890.0000	3.5710
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	290033	2220.0000	3.8177
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	616414	4450.0000	3.8489
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	611265	4450.0000	3.9528
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	1322905	8900.0000	4.1731
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	3500505	22200.0000	4.6529
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	7614796	44500.0000	4.7618

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

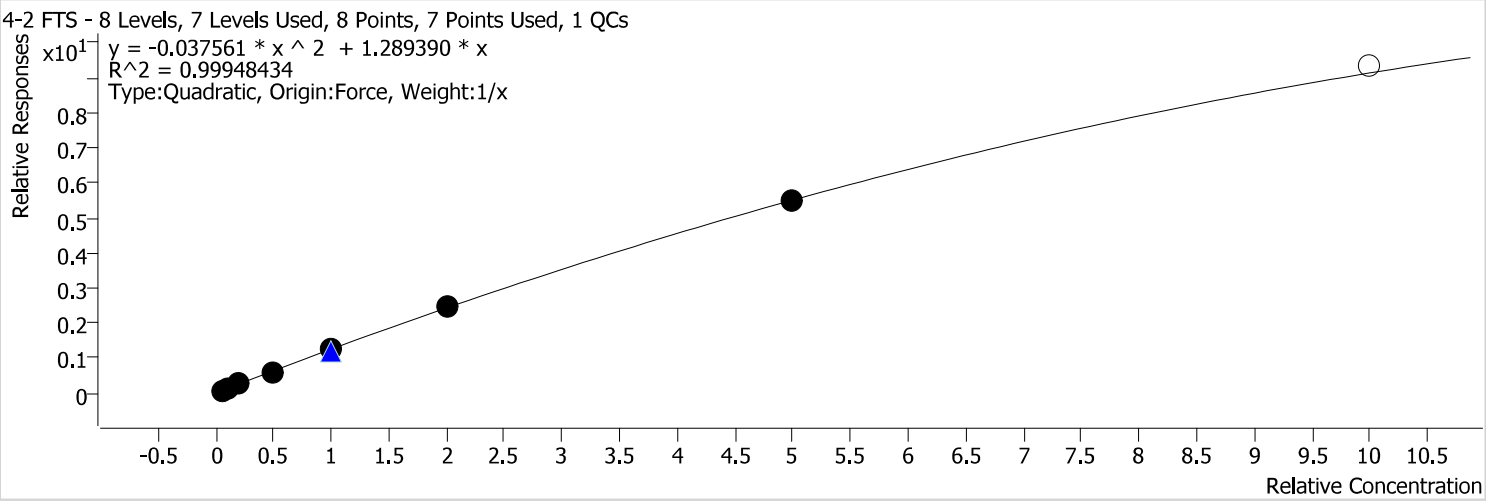
NFDHA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	29911	500.0000	0.3175
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	60360	1000.0000	0.3195
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	160782	2500.0000	0.3267
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	342963	5000.0000	0.3368
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	336819	5000.0000	0.3425
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	731854	10000.0000	0.3633
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	1912506	25000.0000	0.3893
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	4135373	50000.0000	0.4019

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

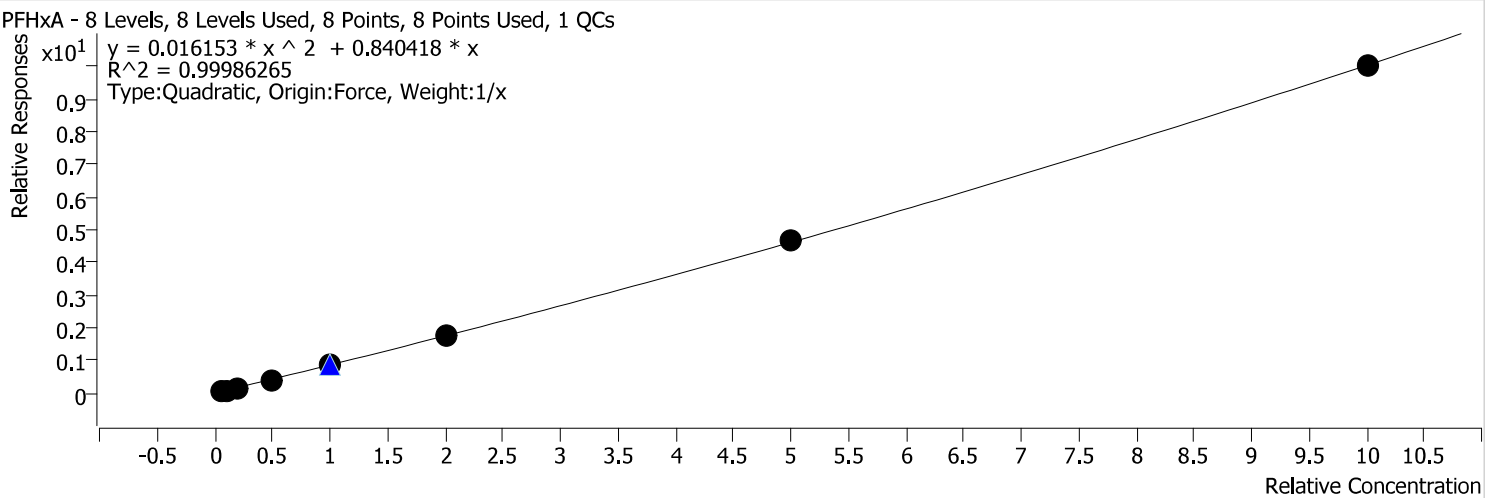
4-2 FTS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	3914	234.0000	1.2938
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	6960	468.0000	1.2145
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	14181	937.0000	1.2704
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	35442	2340.0000	1.1967
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	77586	4680.0000	1.2600
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	75491	4680.0000	1.2029
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	159457	9370.0000	1.2441
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	404661	23400.0000	1.0977
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8		854822	46800.0000	0.9344

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

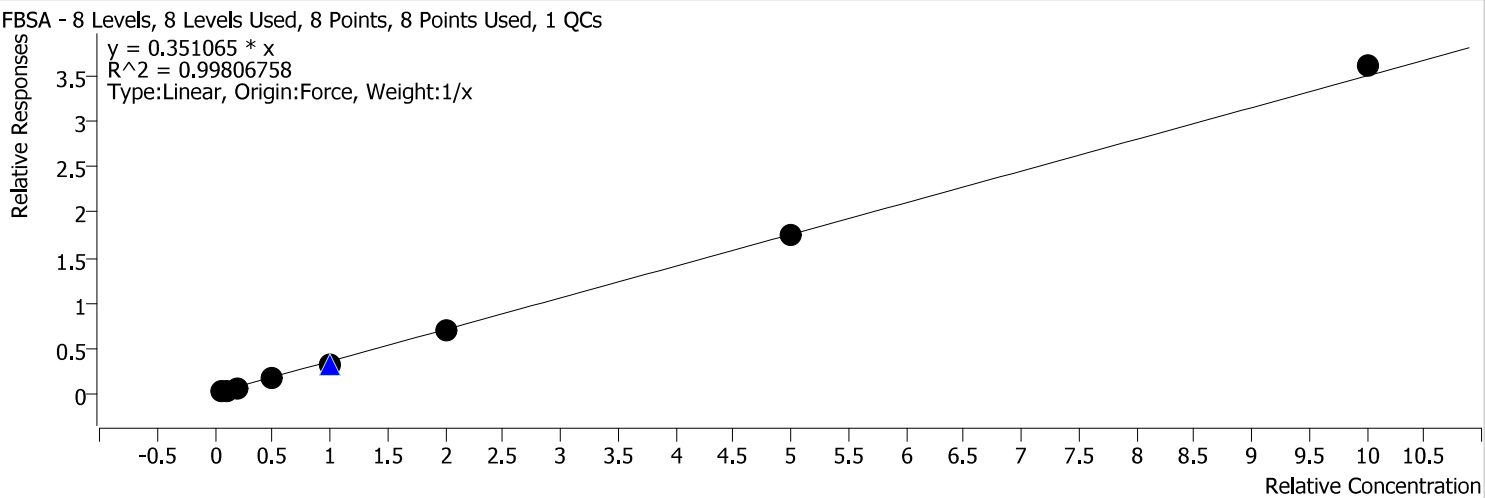
PFHxA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	42838	250.0000	0.8390
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	77319	500.0000	0.8207
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	150260	1000.0000	0.7955
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	404871	2500.0000	0.8227
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	853226	5000.0000	0.8378
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	819157	5000.0000	0.8331
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	1768685	10000.0000	0.8780
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	4589080	25000.0000	0.9341
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	10277913	50000.0000	0.9988

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

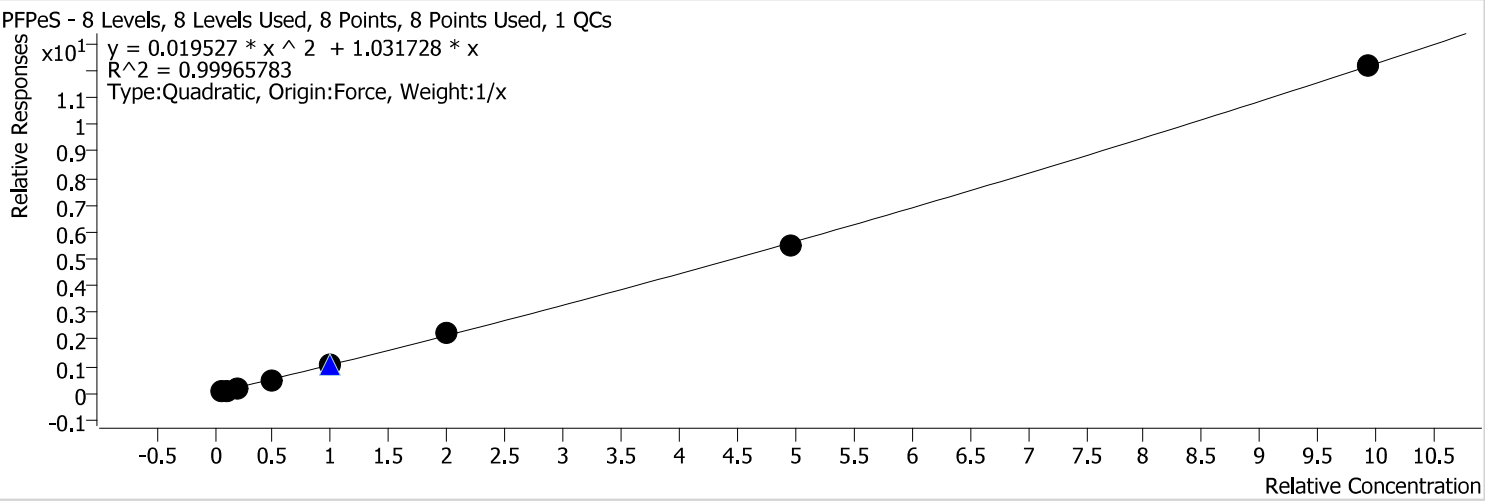
FBSA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	15041	250.0000	0.2946
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	27702	500.0000	0.2940
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	58367	1000.0000	0.3090
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	153763	2500.0000	0.3125
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	323131	5000.0000	0.3173
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	311727	5000.0000	0.3170
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	684550	10000.0000	0.3398
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	1710352	25000.0000	0.3481
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	3722857	50000.0000	0.3618

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

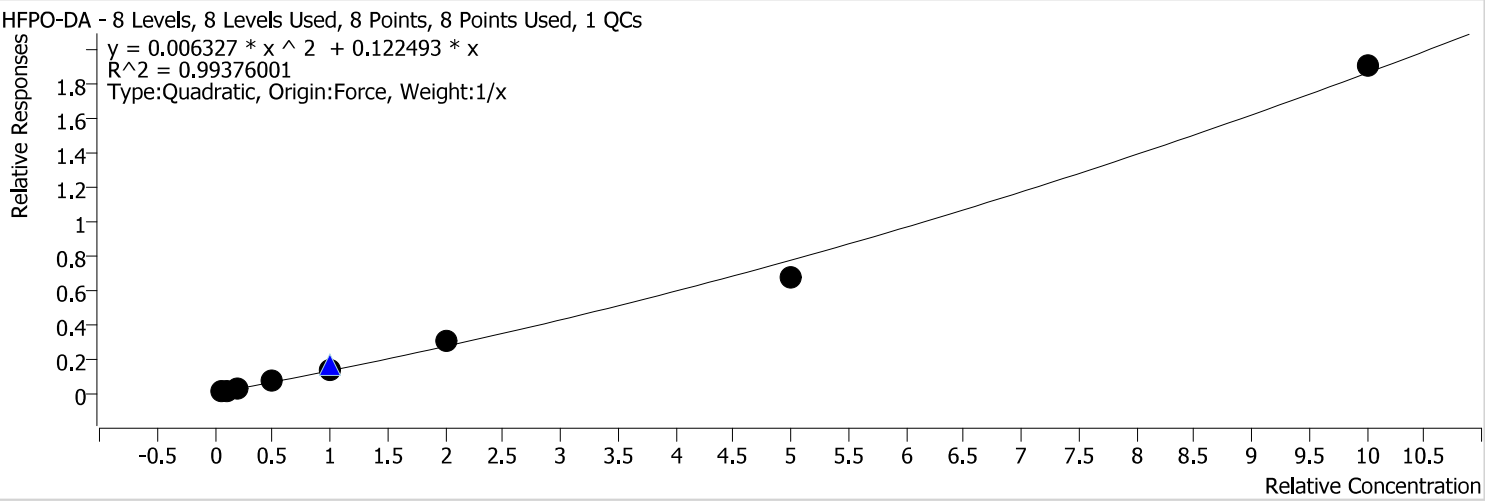
PFPeS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	6671	235.0000	0.9943
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	12080	470.0000	0.9723
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	24506	941.0000	0.9422
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	64811	2350.0000	1.0099
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	137647	4700.0000	1.0456
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	131722	4700.0000	1.0757
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	289646	9410.0000	1.1187
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	717762	23500.0000	1.1161
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	1555579	47000.0000	1.2267

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

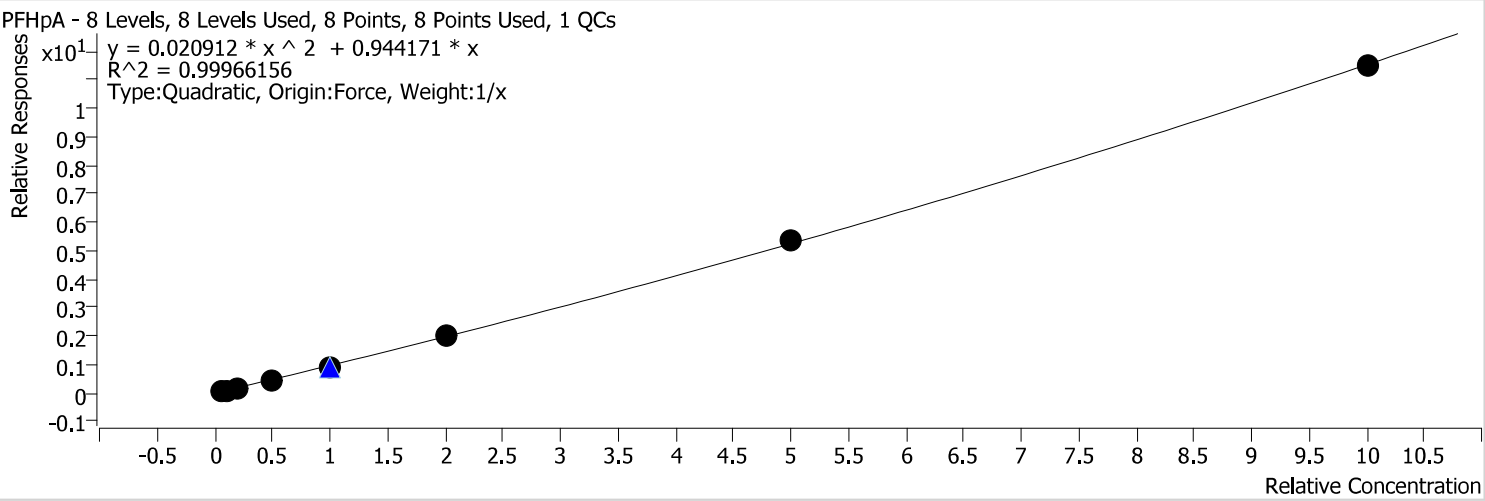
HFPO-DA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	1560	250.0000	0.1571
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	2183	500.0000	0.1104
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	4609	1000.0000	0.1308
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	14391	2500.0000	0.1516
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	28767	5000.0000	0.1341
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	29838	5000.0000	0.1580
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	65218	10000.0000	0.1533
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	158114	25000.0000	0.1349
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	364196	50000.0000	0.1897

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

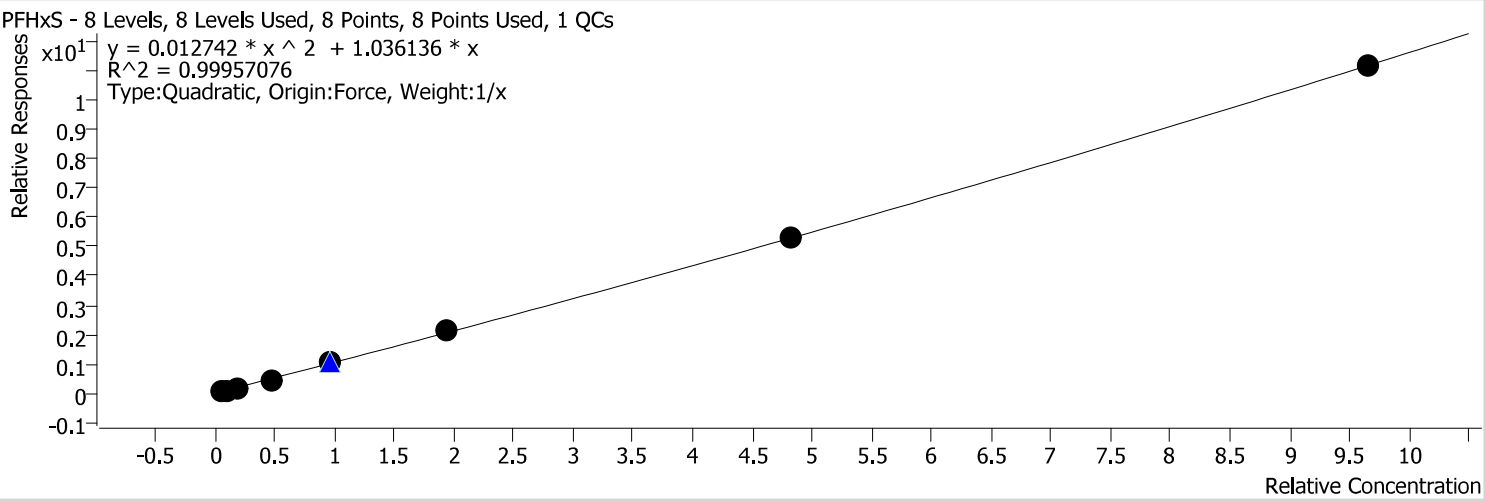
PFHpA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	51179	250.0000	0.9999
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	89589	500.0000	0.9346
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	164484	1000.0000	0.8742
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	432411	2500.0000	0.9114
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	925150	5000.0000	0.9239
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	917177	5000.0000	0.9130
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	1947939	10000.0000	0.9935
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	5059454	25000.0000	1.0721
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	11145038	50000.0000	1.1477

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

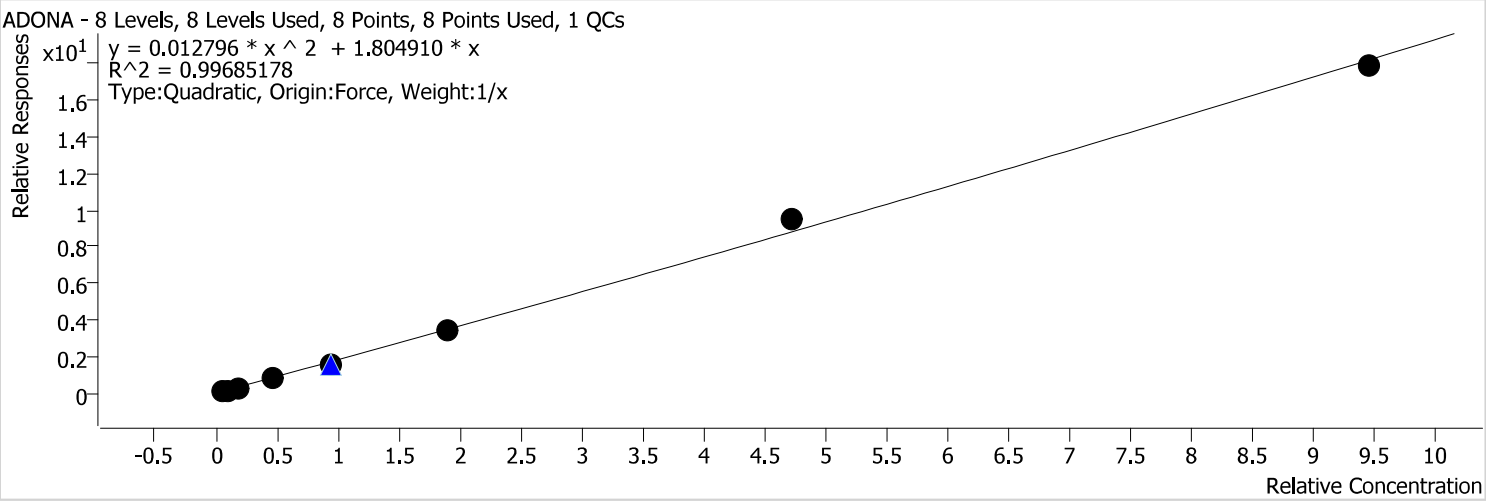
PFHxS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	6771	228.0000	1.0403
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	10563	457.0000	0.8744
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	24450	914.0000	0.9679
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	59838	2280.0000	0.9610
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	136022	4570.0000	1.0627
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	126571	4570.0000	1.0631
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	275179	9140.0000	1.0943
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	685175	22800.0000	1.0982
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	1427313	45700.0000	1.1576

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

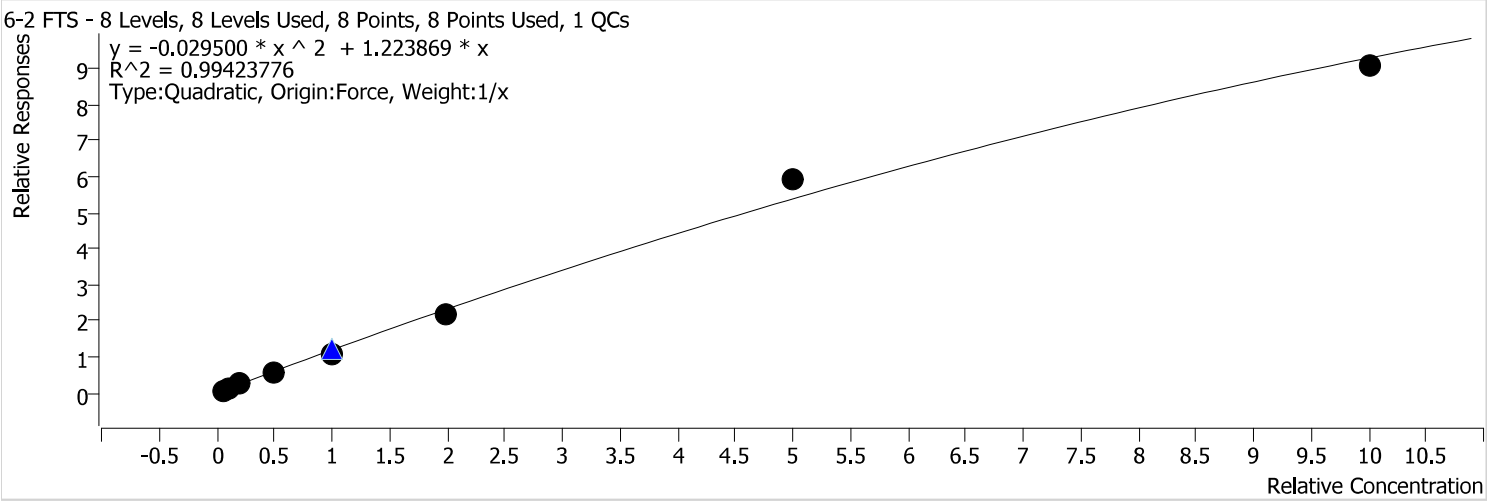
ADONA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	74458	236.0000	1.5410
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	139194	472.0000	1.5382
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	285337	945.0000	1.6048
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	734809	2360.0000	1.6407
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	1556077	4720.0000	1.6461
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	1486358	4720.0000	1.5674
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	3306509	9450.0000	1.7846
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	8996093	23600.0000	2.0194
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	17336813	47200.0000	1.8912

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

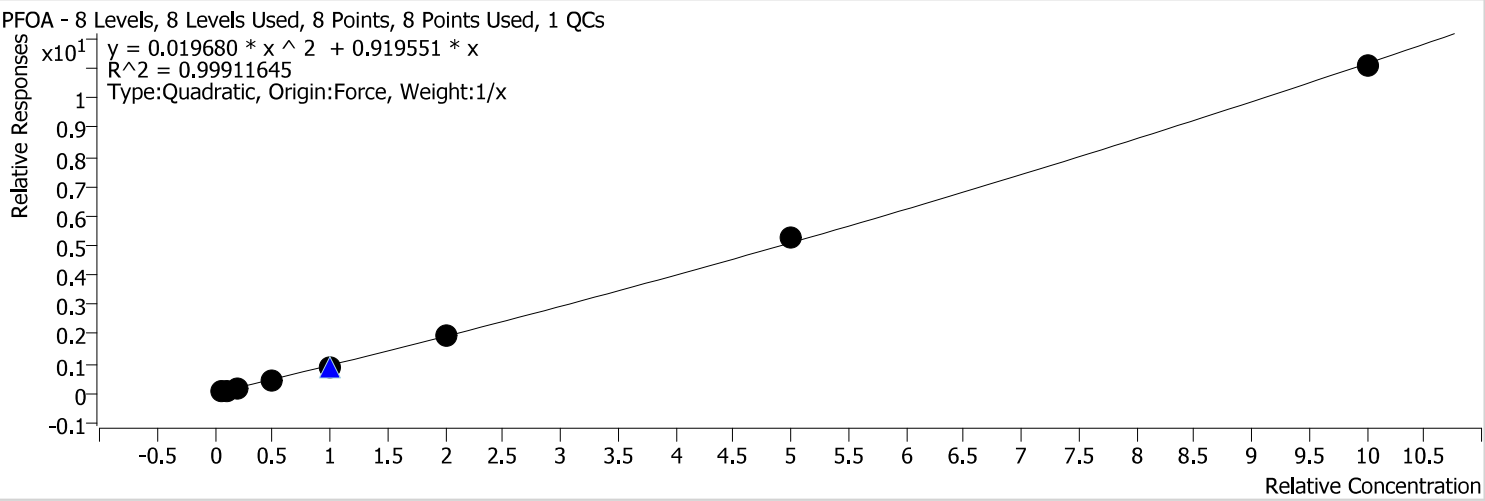
6-2 FTS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	2893	238.0000	1.4677
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	3851	476.0000	1.0621
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	8827	951.0000	1.2588
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	20486	2380.0000	1.0535
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	42846	4760.0000	1.0776
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	46372	4760.0000	1.1938
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	92676	9510.0000	1.1052
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	241506	23800.0000	1.1844
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	497302	47600.0000	0.9058

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

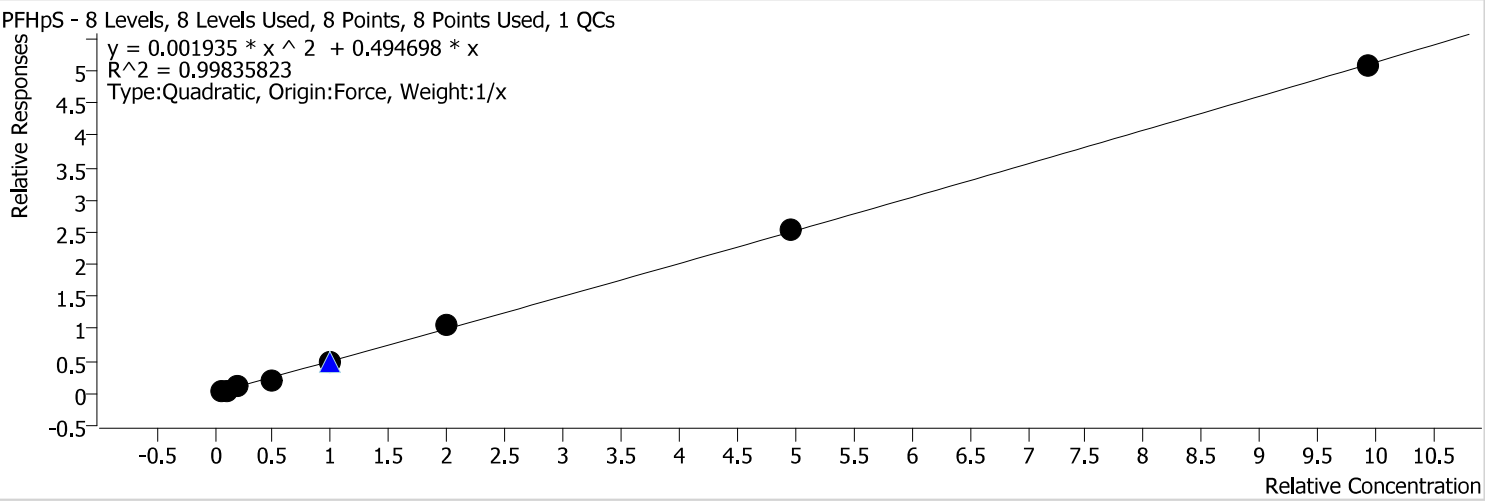
PFOA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	42602	250.0000	0.8068
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	76559	500.0000	0.7850
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	170973	1000.0000	0.8775
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	431114	2500.0000	0.8542
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	916469	5000.0000	0.8825
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	907873	5000.0000	0.8920
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	1888517	10000.0000	0.9711
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	4914665	25000.0000	1.0561
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	10187893	50000.0000	1.1071

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

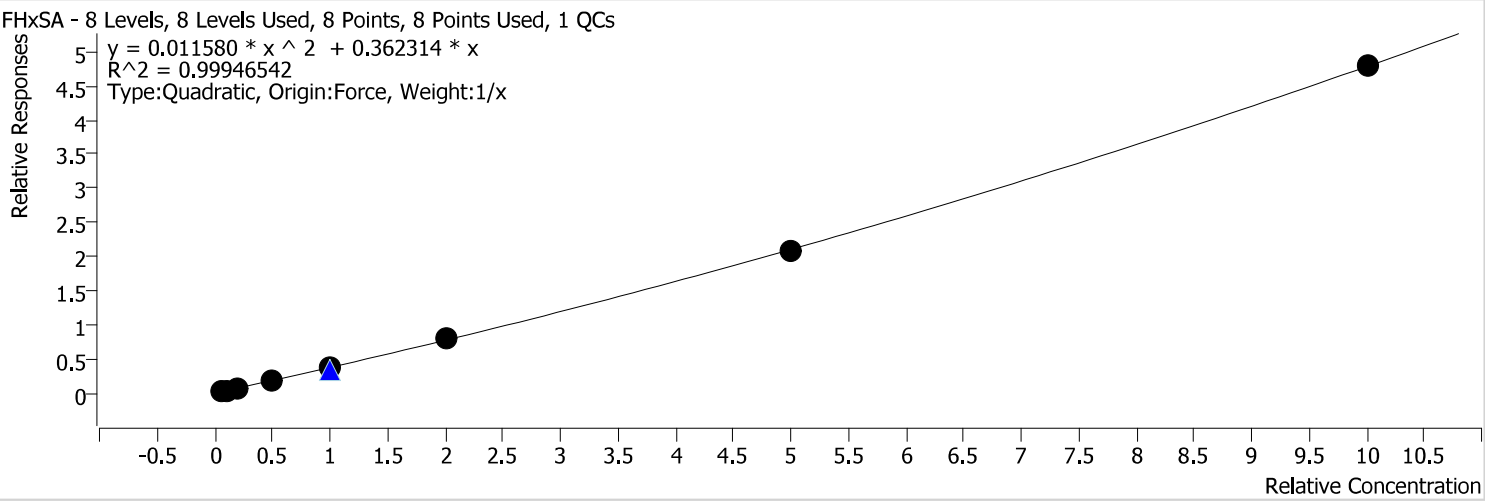
PFHpS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	2946	238.0000	0.3797
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	6201	476.0000	0.4120
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	13923	953.0000	0.4602
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	33016	2380.0000	0.4239
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	78071	4760.0000	0.4771
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	76242	4760.0000	0.5032
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	164067	9530.0000	0.5349
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	385346	23800.0000	0.5099
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	791278	47600.0000	0.5114

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

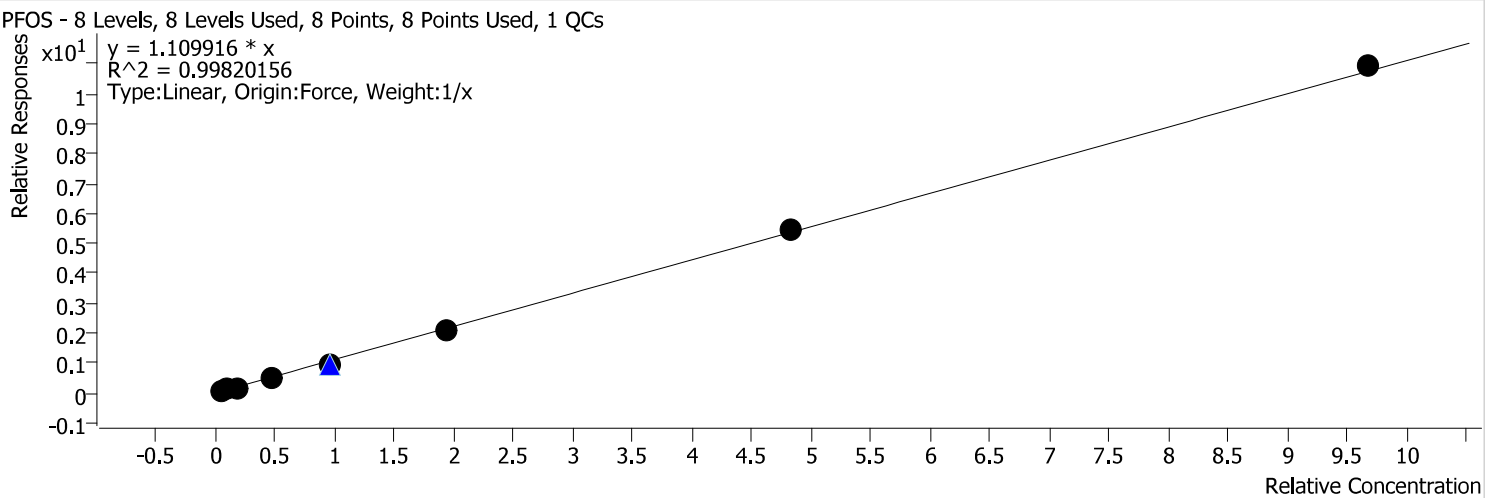
FHxSA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	18719	250.0000	0.3545
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	33408	500.0000	0.3426
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	67960	1000.0000	0.3488
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	176073	2500.0000	0.3489
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	372038	5000.0000	0.3582
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	361339	5000.0000	0.3550
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	797985	10000.0000	0.4103
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	1935046	25000.0000	0.4158
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	4402680	50000.0000	0.4784

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

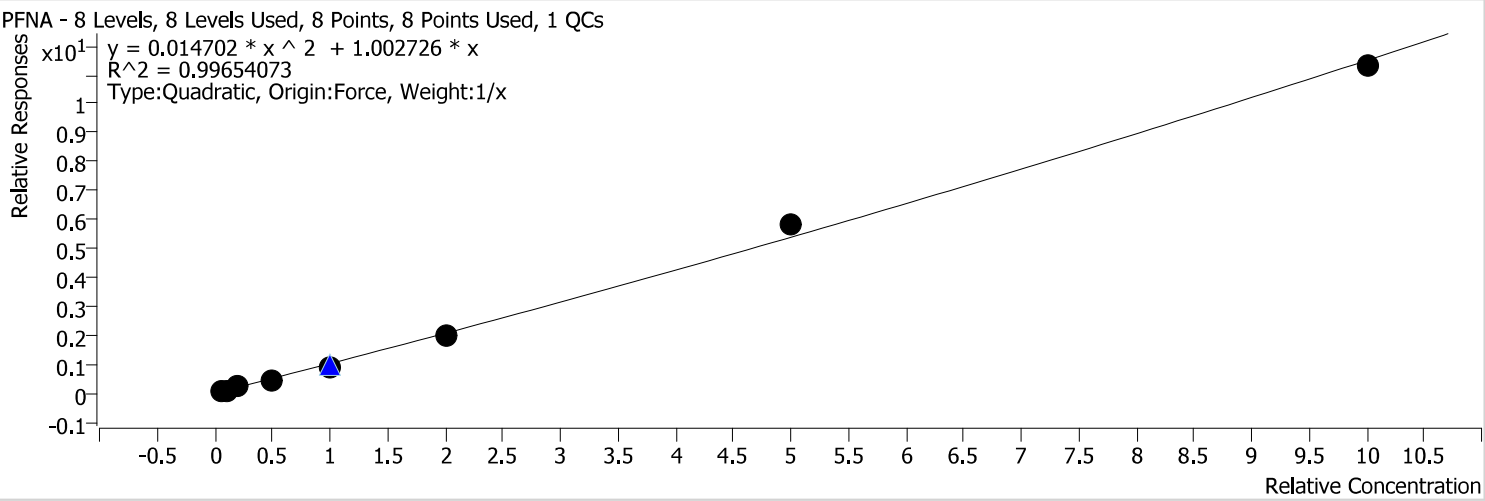
PFOS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	10528	232.0000	1.3921
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	15943	464.0000	1.0867
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	28418	928.0000	0.9646
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	75830	2320.0000	0.9989
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	156232	4640.0000	0.9794
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	149728	4640.0000	1.0137
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	321898	9280.0000	1.0778
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	829893	23200.0000	1.1266
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	1701731	46400.0000	1.1283

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

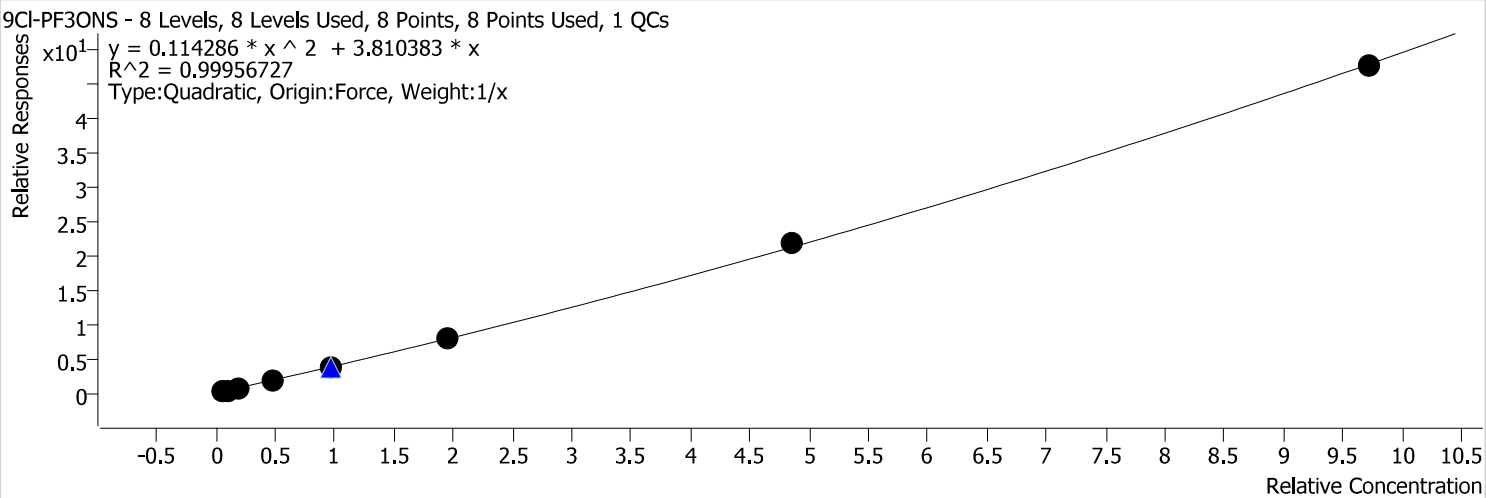
PFNA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	53194	250.0000	0.8934
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	101564	500.0000	0.9524
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	207145	1000.0000	0.9956
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	533092	2500.0000	0.9461
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	1064920	5000.0000	0.8877
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	1059832	5000.0000	0.9485
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	2267056	10000.0000	0.9829
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	6271760	25000.0000	1.1716
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	12322098	50000.0000	1.1293

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

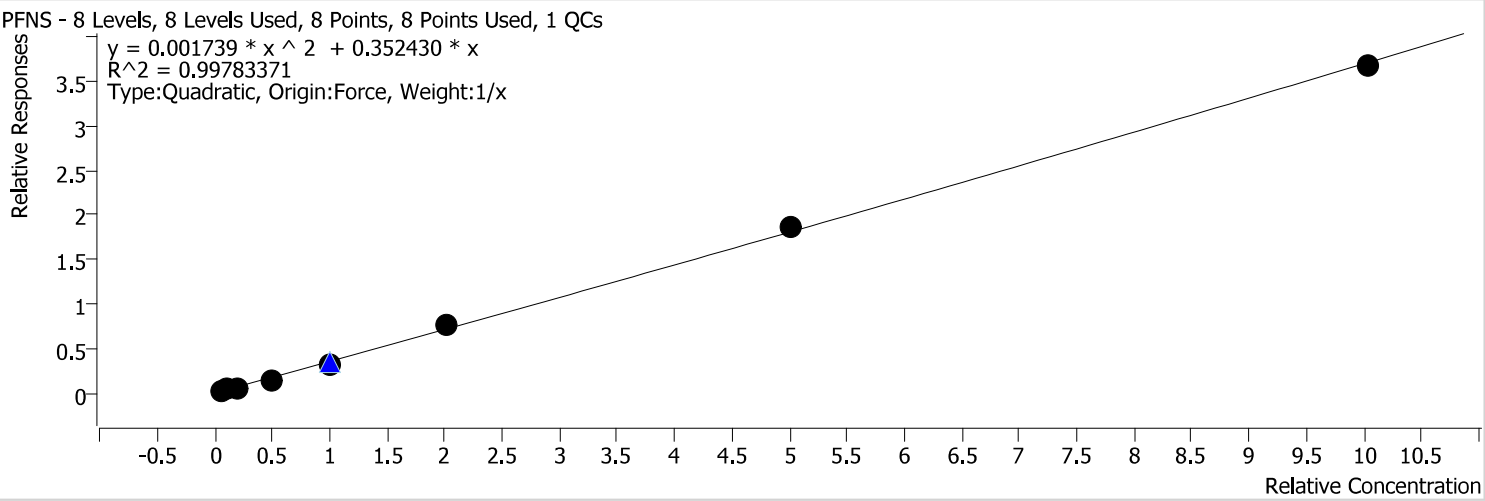
9Cl-PF3ONS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	27860	233.0000	3.6680
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	52931	466.0000	3.5925
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	102844	933.0000	3.4723
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	283333	2330.0000	3.7163
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	592788	4660.0000	3.7003
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	562783	4660.0000	3.7938
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	1232739	9330.0000	4.1055
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	3304431	23300.0000	4.4667
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	7413567	46600.0000	4.8944

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

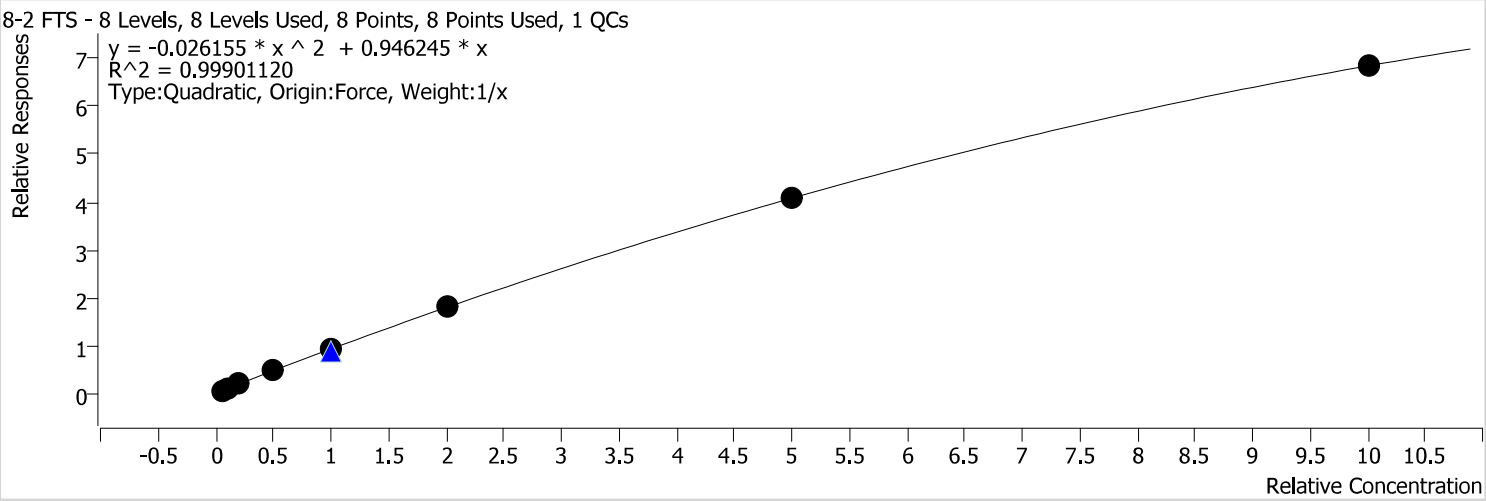
PFNS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	2503	240.0000	0.3199
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	5411	481.0000	0.3558
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	8209	962.0000	0.2688
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	24083	2400.0000	0.3067
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	54171	4810.0000	0.3276
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	53463	4810.0000	0.3492
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	115709	9620.0000	0.3737
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	285935	24000.0000	0.3752
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	572307	48100.0000	0.3660

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

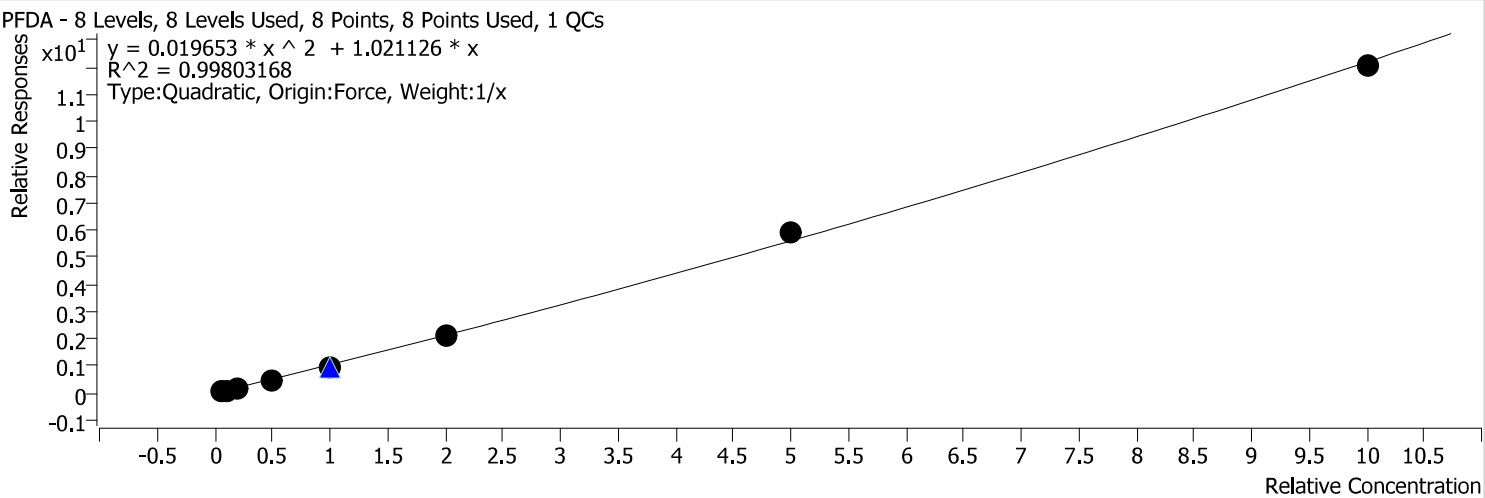
8-2 FTS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	4187	240.0000	0.8580
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	6143	480.0000	0.7093
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	14082	960.0000	0.8809
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	35094	2400.0000	1.0042
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	75143	4800.0000	0.8985
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	85587	4800.0000	0.8718
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	154687	9600.0000	0.9065
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	349985	24000.0000	0.8174
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	683575	48000.0000	0.6838

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

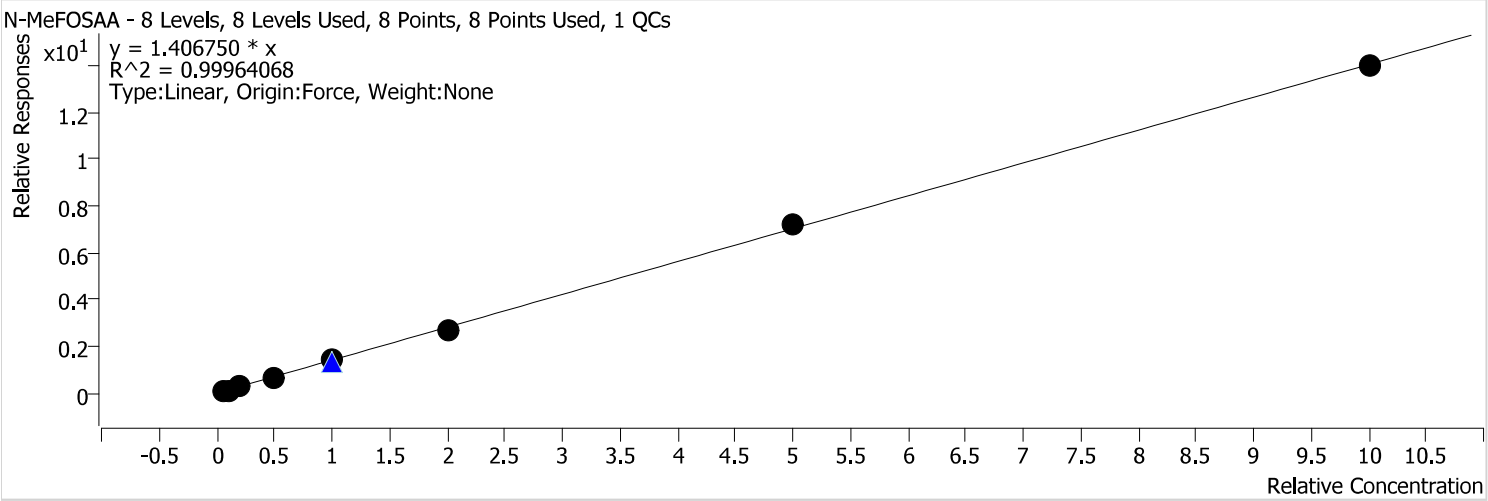
PFDA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	50044	250.0000	0.9547
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	88890	500.0000	0.8622
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	189979	1000.0000	0.9616
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	469948	2500.0000	0.9379
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	986300	5000.0000	0.9212
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	1017673	5000.0000	0.9385
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	2029102	10000.0000	1.0723
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	5446997	25000.0000	1.1852
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	10856304	50000.0000	1.2022

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

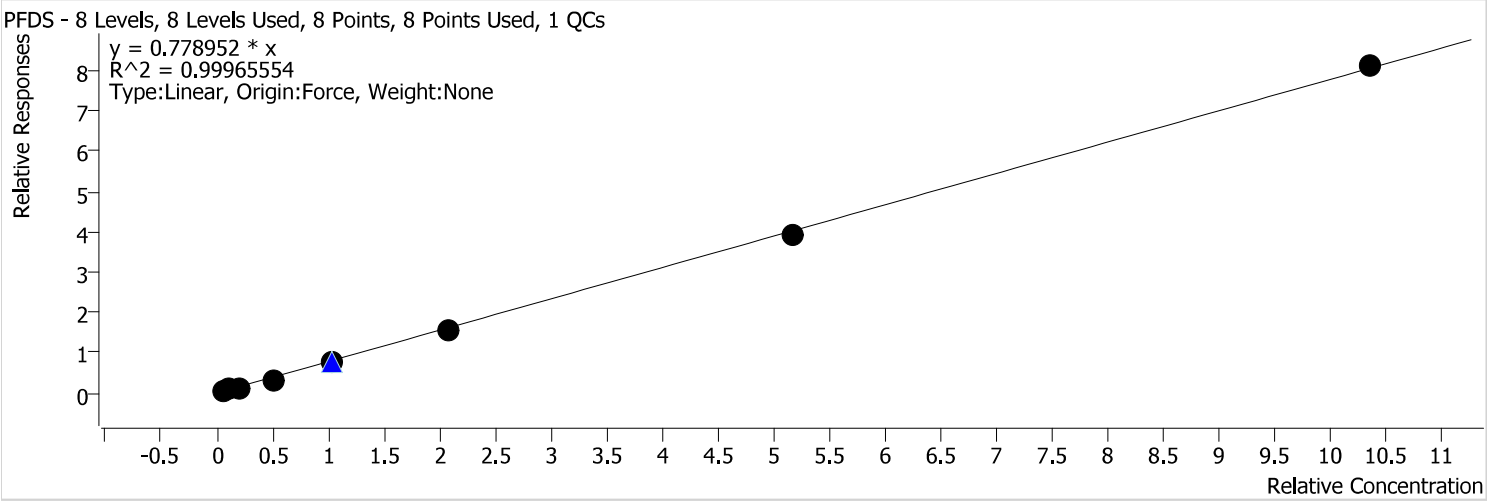
N-MeFOSAA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	11434	250.0000	1.5190
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	18867	500.0000	1.3080
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	36669	1000.0000	1.2476
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	99456	2500.0000	1.2792
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	216564	5000.0000	1.4021
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	204310	5000.0000	1.3469
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	434786	10000.0000	1.3659
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	1093017	25000.0000	1.4480
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	2327638	50000.0000	1.3985

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

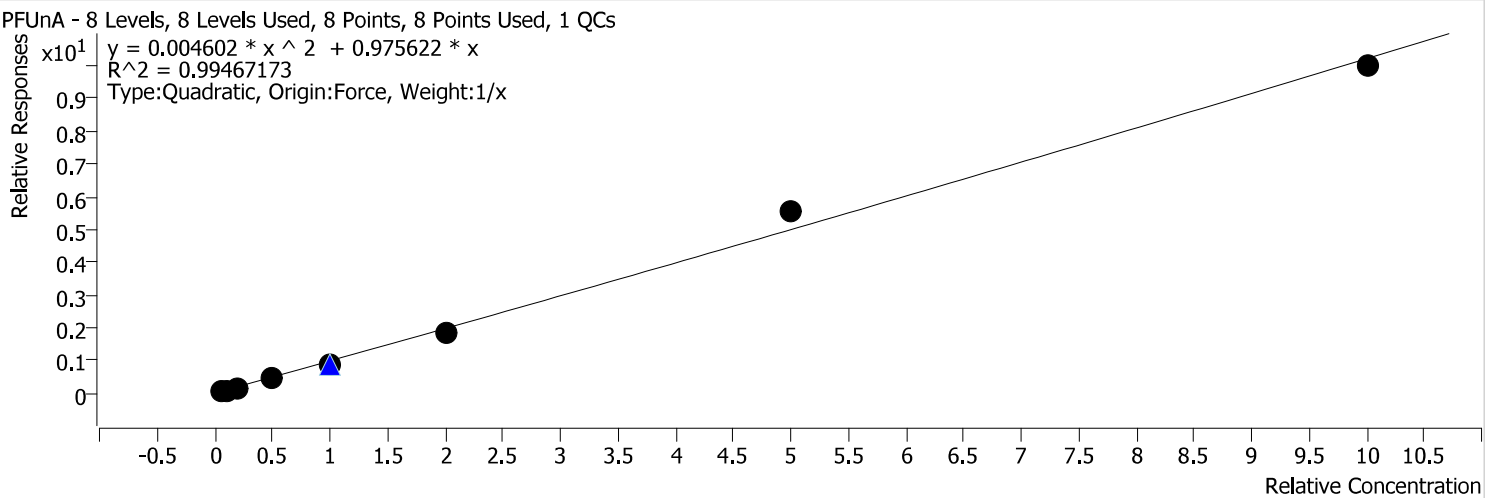
PFDS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	5288	241.0000	0.6082
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	12093	482.0000	0.7491
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	21805	965.0000	0.6711
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	52149	2410.0000	0.6323
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	126680	4820.0000	0.7303
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	118947	4820.0000	0.7101
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	260424	9650.0000	0.7577
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	624366	24100.0000	0.7645
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	1358531	48200.0000	0.7843

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

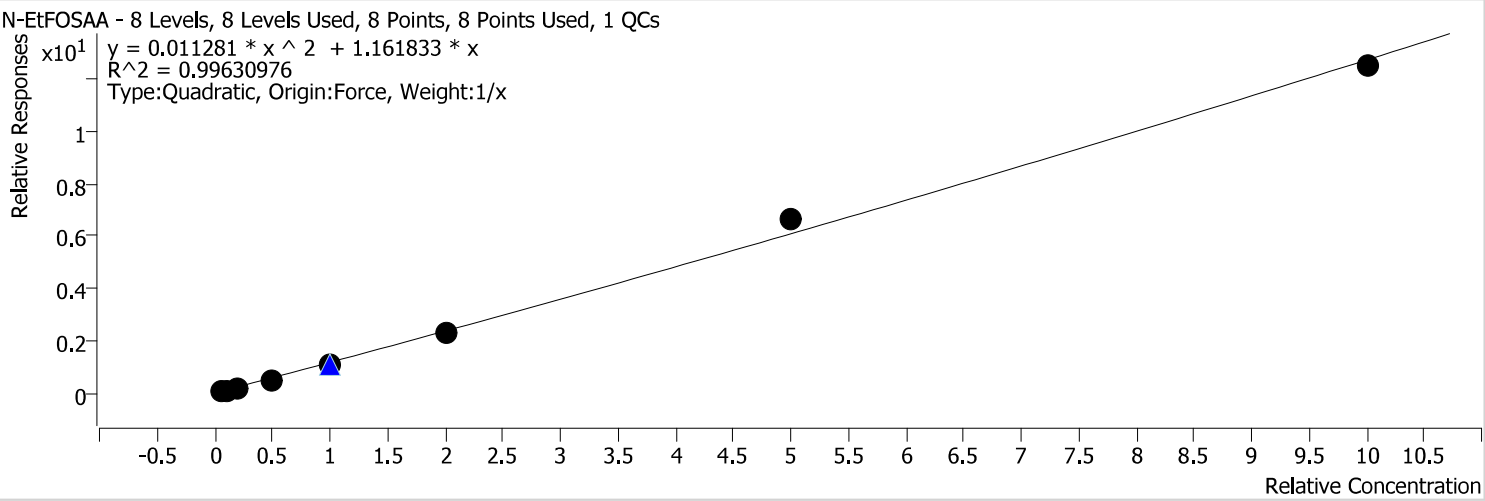
PFUnA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	64738	250.0000	1.0009
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	102904	500.0000	0.8228
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	208170	1000.0000	0.8222
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	575767	2500.0000	0.9340
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	1141680	5000.0000	0.8830
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	1207323	5000.0000	0.9015
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	2355532	10000.0000	0.9087
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	6577967	25000.0000	1.1084
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	12048773	50000.0000	0.9984

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

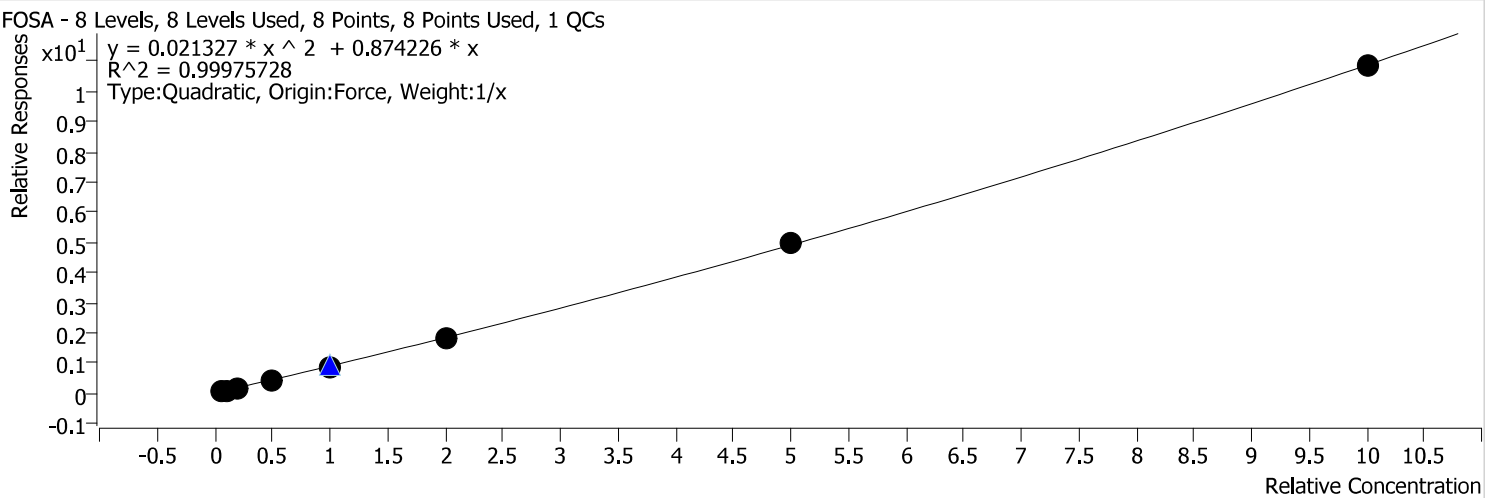
N-EtFOSAA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	16549	500.0000	1.0974
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	32760	1000.0000	0.9905
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	84104	2500.0000	1.0114
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	178521	5000.0000	1.0747
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	168555	5000.0000	1.0525
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	367848	10000.0000	1.1433
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	897403	25000.0000	1.3287
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	1784750	50000.0000	1.2501

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

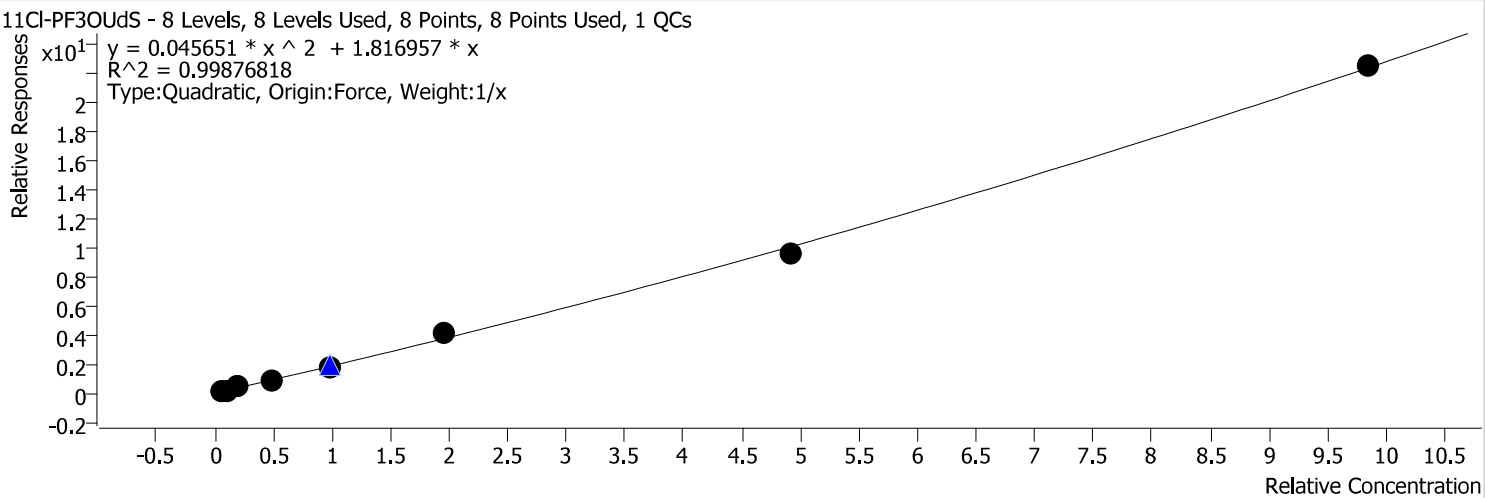
FOSA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	20475	250.0000	0.9672
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	35159	500.0000	0.8644
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	66706	1000.0000	0.8466
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	182203	2500.0000	0.9059
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	384077	5000.0000	0.8758
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	377295	5000.0000	0.9087
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	776176	10000.0000	0.8930
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	1962380	25000.0000	1.0004
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	4302454	50000.0000	1.0837

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

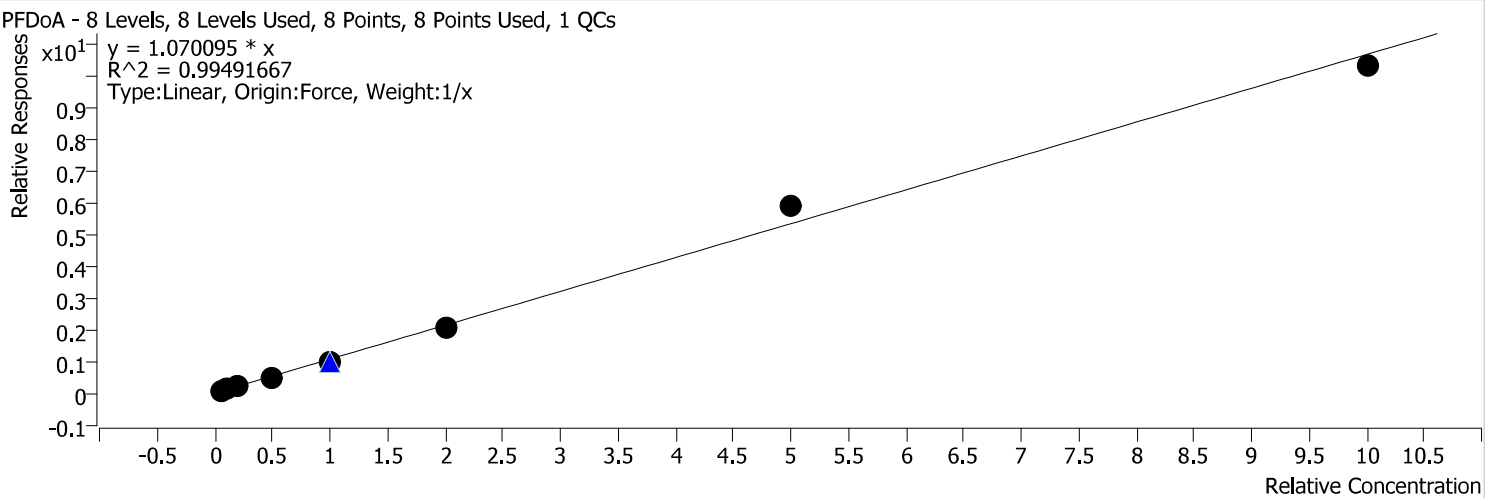
11Cl-PF3OUdS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	12749	236.0000	1.6572
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	25178	472.0000	1.6871
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	61801	943.0000	2.0645
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	138474	2360.0000	1.7932
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	291431	4720.0000	1.7960
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	283647	4720.0000	1.8878
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	625427	9430.0000	2.0608
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	1472521	23600.0000	1.9651
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	3497211	47200.0000	2.2795

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

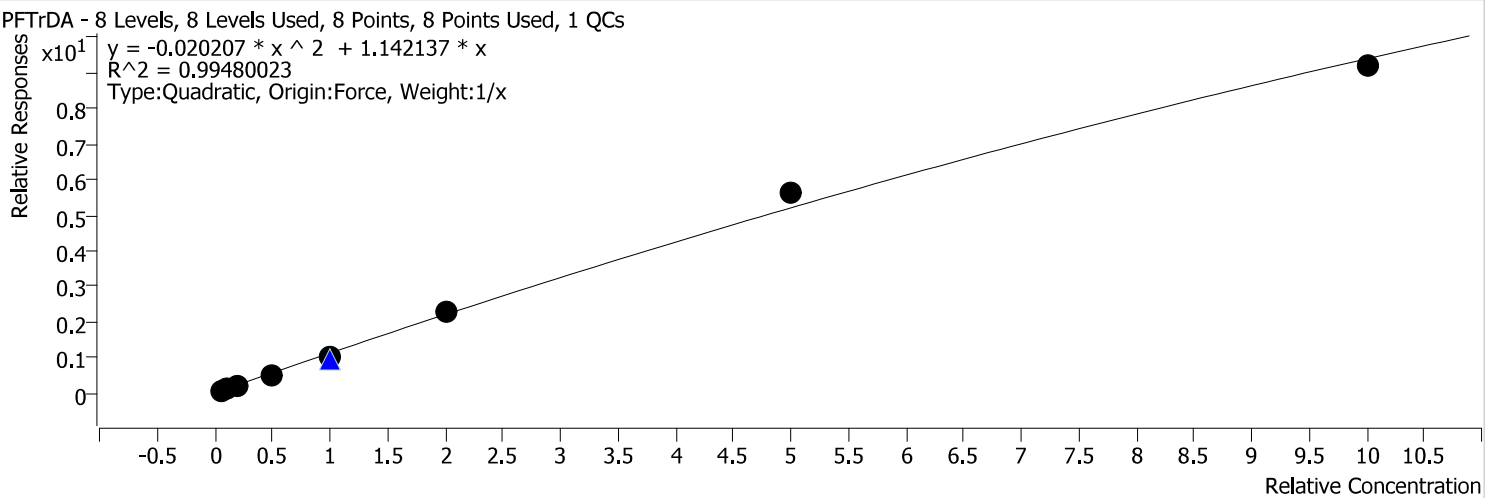
PFDoA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	72344	250.0000	1.0400
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	161443	500.0000	1.2466
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	284198	1000.0000	1.0722
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	618203	2500.0000	0.9413
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	1364225	5000.0000	0.9702
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	1435925	5000.0000	1.0026
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	2894272	10000.0000	1.0489
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	7709750	25000.0000	1.1834
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	13950853	50000.0000	1.0325

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

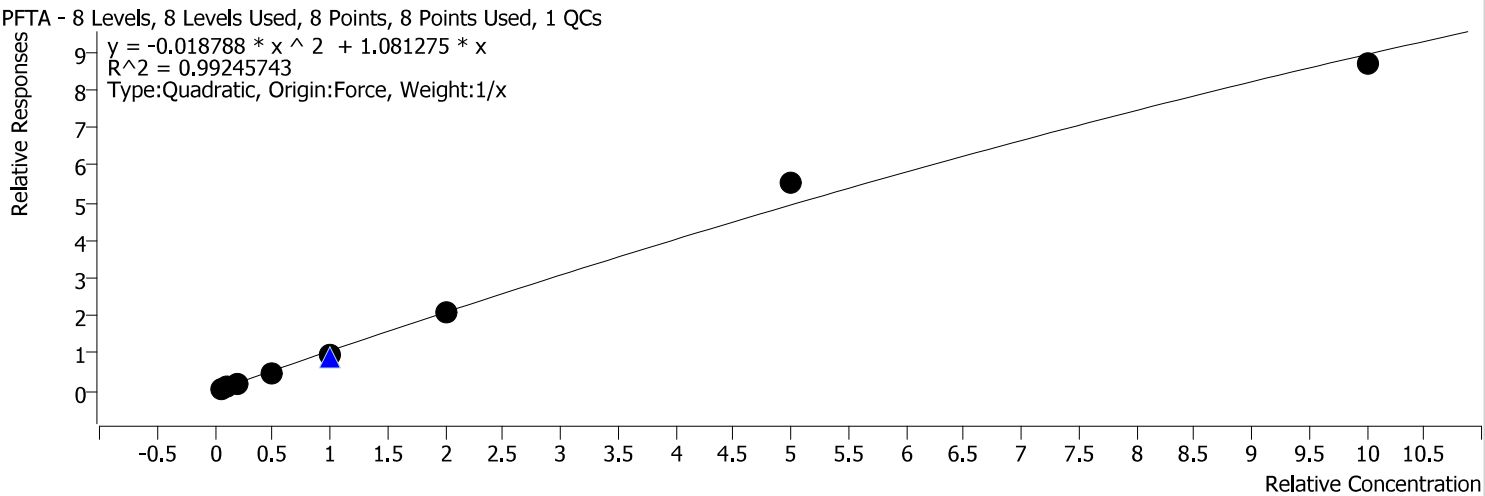
PFTrDA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	99515	250.0000	1.0948
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	166586	500.0000	1.0117
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	309933	1000.0000	0.9324
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	810452	2500.0000	0.9598
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	1682878	5000.0000	0.9816
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	1729467	5000.0000	0.9687
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	3706629	10000.0000	1.1266
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	9434655	25000.0000	1.1305
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	15258245	50000.0000	0.9186

Batch Path	D:\MassHunter\Data\JAN2022\010822\QuantResults\ID_CAL.batch.bin		
Analysis Time	1/10/2022 10:40 AM	**Analyst Name**	CONTEST\G6495C
Report Time	1/10/2022 10:41:12 AM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	1/10/2022 10:40 AM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

PFTA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\JAN2022\010822\CAL1_ID_010822.d	Calibration	1	x	85879	250.0000	0.9448
D:\MassHunter\Data\JAN2022\010822\CAL2_ID_010822.d	Calibration	2	x	151862	500.0000	0.9223
D:\MassHunter\Data\JAN2022\010822\CAL3_ID_010822.d	Calibration	3	x	272304	1000.0000	0.8192
D:\MassHunter\Data\JAN2022\010822\CAL4_ID_010822.d	Calibration	4	x	757802	2500.0000	0.8975
D:\MassHunter\Data\JAN2022\010822\CAL5_ID_010822.d	Calibration	5	x	1608046	5000.0000	0.9380
D:\MassHunter\Data\JAN2022\010822\ICV1_ID_010822.d	QC	5	x	1552475	5000.0000	0.8696
D:\MassHunter\Data\JAN2022\010822\CAL6_ID_010822.d	Calibration	6	x	3399853	10000.0000	1.0334
D:\MassHunter\Data\JAN2022\010822\CAL7_ID_010822.d	Calibration	7	x	9188845	25000.0000	1.1011
D:\MassHunter\Data\JAN2022\010822\CAL8_ID_010822.d	Calibration	8	x	14403421	50000.0000	0.8672

By DJD at 2:57 pm, Dec 14, 2021

Quantitative Analysis Complete Report

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Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:22 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

Data File	Sample Name	Sample Type	Position	Inj Vol	Level	Acq. Method
CAL1_ID_121321.d	CAL1_ID_121321	Cal	P2-A1	5	1	PFAS ACQUISITION.m
CAL2_ID_121321.d	CAL2_ID_121321	Cal	P2-A2	5	2	PFAS ACQUISITION.m
CAL3_ID_121321.d	CAL3_ID_121321	Cal	P2-A3	5	3	PFAS ACQUISITION.m
CAL4_ID_121321.d	CAL4_ID_121321	Cal	P2-A4	5	4	PFAS ACQUISITION.m
CAL5_ID_121321.d	CAL5_ID_121321	Cal	P2-A5	5	5	PFAS ACQUISITION.m
CAL6_ID_121321.d	CAL6_ID_121321	Cal	P2-A6	5	6	PFAS ACQUISITION.m
CAL7_ID_121321.d	CAL7_ID_121321	Cal	P2-A7	5	7	PFAS ACQUISITION.m
CAL8_ID_121321.d	CAL8_ID_121321	Cal	P2-A8	5	8	PFAS ACQUISITION.m
ICV1_ID_121321.d	ICV1_ID_121321	QC	P2-A9	5	5	PFAS ACQUISITION.m
BIC1_ID_121321.d	BIC1_ID_121321	Sample	P2-B1	5		PFAS ACQUISITION.m

Quantitation Results

PFBA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFBA	MPFBA - ISTD	Calibration	1.129	26073	597976	0.0436	242.3208	250.0000	96.9
CAL2_ID_121321.d	PFBA	MPFBA - ISTD	Calibration	1.129	47946	571915	0.0838	465.6245	500.0000	93.1
CAL3_ID_121321.d	PFBA	MPFBA - ISTD	Calibration	1.129	99539	577536	0.1724	955.9083	1000.0000	95.6
CAL4_ID_121321.d	PFBA	MPFBA - ISTD	Calibration	1.129	266158	596491	0.4462	2464.1807	2500.0000	98.6
CAL5_ID_121321.d	PFBA	MPFBA - ISTD	Calibration	1.129	538885	611839	0.8808	4831.5053	5000.0000	96.6
CAL6_ID_121321.d	PFBA	MPFBA - ISTD	Calibration	1.129	1105639	591410	1.8695	10104.8335	10000.0000	101.0
CAL7_ID_121321.d	PFBA	MPFBA - ISTD	Calibration	1.129	2840674	581607	4.8842	25326.8312	25000.0000	101.3
CAL8_ID_121321.d	PFBA	MPFBA - ISTD	Calibration	1.129	6034687	589128	10.2434	49853.2324	50000.0000	99.7
ICV1_ID_121321.d	PFBA	MPFBA - ISTD	QC	1.129	522993	596151	0.8773	4812.6708	5000.0000	96.3
BIC1_ID_121321.d	PFBA	MPFBA - ISTD	Sample	1.121	1508			ND		

PFMPA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFMPA	MPFBA - ISTD	Calibration	1.350	15907	597976	0.0266	229.5841	250.0000	91.8
CAL2_ID_121321.d	PFMPA	MPFBA - ISTD	Calibration	1.350	29572	571915	0.0517	445.9949	500.0000	89.2
CAL3_ID_121321.d	PFMPA	MPFBA - ISTD	Calibration	1.350	61726	577536	0.1069	920.7317	1000.0000	92.1
CAL4_ID_121321.d	PFMPA	MPFBA - ISTD	Calibration	1.350	167238	596491	0.2804	2405.9031	2500.0000	96.2
CAL5_ID_121321.d	PFMPA	MPFBA - ISTD	Calibration	1.350	336495	611839	0.5500	4691.3014	5000.0000	93.8
CAL6_ID_121321.d	PFMPA	MPFBA - ISTD	Calibration	1.350	703559	591410	1.1896	10008.8926	10000.0000	100.1
CAL7_ID_121321.d	PFMPA	MPFBA - ISTD	Calibration	1.350	1864850	581607	3.2064	25916.8406	25000.0000	103.7
CAL8_ID_121321.d	PFMPA	MPFBA - ISTD	Calibration	1.350	3828065	589128	6.4979	49617.3577	50000.0000	99.2
ICV1_ID_121321.d	PFMPA	MPFBA - ISTD	QC	1.350	330383	596151	0.5542	4726.8630	5000.0000	94.5
BIC1_ID_121321.d	PFMPA	MPFBA - ISTD	Sample					ND		

PFPeA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFPeA	M5PFPeA - ISTD	Calibration	1.826	26535	593700	0.0447	238.8068	250.0000	95.5
CAL2_ID_121321.d	PFPeA	M5PFPeA - ISTD	Calibration	1.826	49480	570875	0.0867	462.8653	500.0000	92.6
CAL3_ID_121321.d	PFPeA	M5PFPeA - ISTD	Calibration	1.826	102625	580229	0.1769	943.4698	1000.0000	94.3
CAL4_ID_121321.d	PFPeA	M5PFPeA - ISTD	Calibration	1.826	276707	593419	0.4663	2478.3728	2500.0000	99.1
CAL5_ID_121321.d	PFPeA	M5PFPeA - ISTD	Calibration	1.826	554482	609789	0.9093	4806.6827	5000.0000	96.1
CAL6_ID_121321.d	PFPeA	M5PFPeA - ISTD	Calibration	1.826	1139277	586541	1.9424	10141.1831	10000.0000	101.4
CAL7_ID_121321.d	PFPeA	M5PFPeA - ISTD	Calibration	1.826	2924159	582338	5.0214	25329.1199	25000.0000	101.3
CAL8_ID_121321.d	PFPeA	M5PFPeA - ISTD	Calibration	1.826	6141351	589276	10.4219	49845.2419	50000.0000	99.7
ICV1_ID_121321.d	PFPeA	M5PFPeA - ISTD	QC	1.826	535262	590278	0.9068	4793.5913	5000.0000	95.9
BIC1_ID_121321.d	PFPeA	M5PFPeA - ISTD	Sample	1.826	3960			ND		

PFBS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFBS	M3PFBS - ISTD	Calibration	2.013	7411	142204	0.0521	208.5407	222.0000	93.9
CAL2_ID_121321.d	PFBS	M3PFBS - ISTD	Calibration	2.013	12915	135822	0.0951	380.5044	444.0000	85.7
CAL3_ID_121321.d	PFBS	M3PFBS - ISTD	Calibration	2.013	26605	137975	0.1928	771.6129	887.0000	87.0
CAL4_ID_121321.d	PFBS	M3PFBS - ISTD	Calibration	2.013	71138	141605	0.5024	2010.2627	2220.0000	90.6
CAL5_ID_121321.d	PFBS	M3PFBS - ISTD	Calibration	2.013	144829	144694	1.0009	4005.3069	4440.0000	90.2
CAL6_ID_121321.d	PFBS	M3PFBS - ISTD	Calibration	2.013	299254	138740	2.1569	8631.2103	8870.0000	97.3
CAL7_ID_121321.d	PFBS	M3PFBS - ISTD	Calibration	2.013	769184	137673	5.5870	22356.9871	22200.0000	100.7
CAL8_ID_121321.d	PFBS	M3PFBS - ISTD	Calibration	2.013	1558524	137616	11.3252	45318.5749	44400.0000	102.1
ICV1_ID_121321.d	PFBS	M3PFBS - ISTD	QC	2.013	138804	140970	0.9846	3940.1111	4440.0000	88.7
BIC1_ID_121321.d	PFBS	M3PFBS - ISTD	Sample	2.534	726			ND		

PFMBA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFMBA	M5PFPeA - ISTD	Calibration	2.090	17967	593700	0.0303	228.7797	250.0000	91.5
CAL2_ID_121321.d	PFMBA	M5PFPeA - ISTD	Calibration	2.090	33007	570875	0.0578	436.8813	500.0000	87.4
CAL3_ID_121321.d	PFMBA	M5PFPeA - ISTD	Calibration	2.090	69587	580229	0.1199	905.1852	1000.0000	90.5
CAL4_ID_121321.d	PFMBA	M5PFPeA - ISTD	Calibration	2.090	187034	593419	0.3152	2370.5661	2500.0000	94.8
CAL5_ID_121321.d	PFMBA	M5PFPeA - ISTD	Calibration	2.090	381457	609789	0.6256	4679.2800	5000.0000	93.6
CAL6_ID_121321.d	PFMBA	M5PFPeA - ISTD	Calibration	2.090	801331	586541	1.3662	10090.2524	10000.0000	100.9
CAL7_ID_121321.d	PFMBA	M5PFPeA - ISTD	Calibration	2.090	2120096	582338	3.6407	25929.1039	25000.0000	103.7
CAL8_ID_121321.d	PFMBA	M5PFPeA - ISTD	Calibration	2.090	4322515	589276	7.3353	49597.7800	50000.0000	99.2
ICV1_ID_121321.d	PFMBA	M5PFPeA - ISTD	QC	2.090	378221	590278	0.6408	4791.6767	5000.0000	95.8
BIC1_ID_121321.d	PFMBA	M5PFPeA - ISTD	Sample					ND		

PFEESA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFEESA	M3PFBS - ISTD	Calibration	2.376	25308	142204	0.1780	211.5725	222.0000	95.3
CAL2_ID_121321.d	PFEESA	M3PFBS - ISTD	Calibration	2.368	45201	135822	0.3328	395.3856	445.0000	88.9
CAL3_ID_121321.d	PFEESA	M3PFBS - ISTD	Calibration	2.376	95291	137975	0.6906	819.3328	890.0000	92.1

PFEESA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL4_ID_121321.d	PFEESA	M3PFBS - ISTD	Calibration	2.376	252374	141605	1.7822	2105.0285	2220.0000	94.8
CAL5_ID_121321.d	PFEESA	M3PFBS - ISTD	Calibration	2.376	514688	144694	3.5571	4171.7878	4450.0000	93.7
CAL6_ID_121321.d	PFEESA	M3PFBS - ISTD	Calibration	2.368	1074992	138740	7.7483	8942.1350	8900.0000	100.5
CAL7_ID_121321.d	PFEESA	M3PFBS - ISTD	Calibration	2.376	2872573	137673	20.8652	22997.9380	22200.0000	103.6
CAL8_ID_121321.d	PFEESA	M3PFBS - ISTD	Calibration	2.376	5887929	137616	42.7852	44168.7082	44500.0000	99.3
ICV1_ID_121321.d	PFEESA	M3PFBS - ISTD	QC	2.376	499939	140970	3.5464	4159.4639	4450.0000	93.5
BIC1_ID_121321.d	PFEESA	M3PFBS - ISTD	Sample					ND		

NFDHA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	NFDHA	M5PFHxA - ISTD	Calibration	2.561	13724	826085	0.0166	226.8629	250.0000	90.7
CAL2_ID_121321.d	NFDHA	M5PFHxA - ISTD	Calibration	2.561	25462	782182	0.0326	444.2394	500.0000	88.8
CAL3_ID_121321.d	NFDHA	M5PFHxA - ISTD	Calibration	2.561	54563	805067	0.0678	923.6856	1000.0000	92.4
CAL4_ID_121321.d	NFDHA	M5PFHxA - ISTD	Calibration	2.561	146505	829341	0.1767	2397.7280	2500.0000	95.9
CAL5_ID_121321.d	NFDHA	M5PFHxA - ISTD	Calibration	2.561	299759	845659	0.3545	4779.7168	5000.0000	95.6
CAL6_ID_121321.d	NFDHA	M5PFHxA - ISTD	Calibration	2.561	619108	826199	0.7493	9962.3596	10000.0000	99.6
CAL7_ID_121321.d	NFDHA	M5PFHxA - ISTD	Calibration	2.561	1664516	820582	2.0285	25854.0269	25000.0000	103.4
CAL8_ID_121321.d	NFDHA	M5PFHxA - ISTD	Calibration	2.561	3396252	821106	4.1362	49648.1418	50000.0000	99.3
ICV1_ID_121321.d	NFDHA	M5PFHxA - ISTD	QC	2.561	291616	823926	0.3539	4772.6287	5000.0000	95.5
BIC1_ID_121321.d	NFDHA	M5PFHxA - ISTD	Sample	2.528	93			ND		

4-2 FTS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	4-2 FTS	M2-4-2-FTS - ISTD	Calibration	2.629	11848	192719	0.0615	222.5424	234.0000	95.1
CAL2_ID_121321.d	4-2 FTS	M2-4-2-FTS - ISTD	Calibration	2.621	21697	181869	0.1193	432.4014	468.0000	92.4
CAL3_ID_121321.d	4-2 FTS	M2-4-2-FTS - ISTD	Calibration	2.629	46333	191840	0.2415	877.8143	937.0000	93.7
CAL4_ID_121321.d	4-2 FTS	M2-4-2-FTS - ISTD	Calibration	2.629	123263	196228	0.6282	2303.3858	2340.0000	98.4
CAL5_ID_121321.d	4-2 FTS	M2-4-2-FTS - ISTD	Calibration	2.629	247443	200668	1.2331	4586.9372	4680.0000	98.0
CAL6_ID_121321.d	4-2 FTS	M2-4-2-FTS - ISTD	Calibration	2.629	485002	193161	2.5109	9649.3401	9370.0000	103.0
CAL7_ID_121321.d	4-2 FTS	M2-4-2-FTS - ISTD	Calibration	2.629	1106788	199350	5.5520	23454.1479	23400.0000	100.2
CAL8_ID_121321.d	4-2 FTS	M2-4-2-FTS - ISTD	Calibration	2.629	1974631	214559	9.2032	46667.0098	46800.0000	99.7
ICV1_ID_121321.d	4-2 FTS	M2-4-2-FTS - ISTD	QC	2.629	239729	189550	1.2647	4708.2359	4680.0000	100.6
BIC1_ID_121321.d	4-2 FTS	M2-4-2-FTS - ISTD	Sample					ND		

PFHxA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFHxA	M5PFHxA - ISTD	Calibration	2.716	35297	826085	0.0427	242.3009	250.0000	96.9
CAL2_ID_121321.d	PFHxA	M5PFHxA - ISTD	Calibration	2.716	66050	782182	0.0844	478.5385	500.0000	95.7
CAL3_ID_121321.d	PFHxA	M5PFHxA - ISTD	Calibration	2.716	134067	805067	0.1665	942.4691	1000.0000	94.2
CAL4_ID_121321.d	PFHxA	M5PFHxA - ISTD	Calibration	2.716	364211	829341	0.4392	2474.6432	2500.0000	99.0
CAL5_ID_121321.d	PFHxA	M5PFHxA - ISTD	Calibration	2.716	738076	845659	0.8728	4884.8191	5000.0000	97.7
CAL6_ID_121321.d	PFHxA	M5PFHxA - ISTD	Calibration	2.716	1521285	826199	1.8413	10155.1705	10000.0000	101.6

PFHxA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL7_ID_121321.d	PFHxA	M5PFHxA - ISTD	Calibration	2.716	3897153	820582	4.7493	25149.4911	25000.0000	100.6
CAL8_ID_121321.d	PFHxA	M5PFHxA - ISTD	Calibration	2.716	8249879	821106	10.0473	49919.2730	50000.0000	99.8
ICV1_ID_121321.d	PFHxA	M5PFHxA - ISTD	QC	2.716	712003	823926	0.8642	4837.2038	5000.0000	96.7
BIC1_ID_121321.d	PFHxA	M5PFHxA - ISTD	Sample	2.716	145285			ND		

FBSA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	FBSA	M5PFHxA - ISTD	Calibration	2.691	12541	826085	0.0152	212.3662	250.0000	84.9
CAL2_ID_121321.d	FBSA	M5PFHxA - ISTD	Calibration	2.691	25221	782182	0.0322	451.0537	500.0000	90.2
CAL3_ID_121321.d	FBSA	M5PFHxA - ISTD	Calibration	2.691	49846	805067	0.0619	866.1123	1000.0000	86.6
CAL4_ID_121321.d	FBSA	M5PFHxA - ISTD	Calibration	2.699	136986	829341	0.1652	2310.5761	2500.0000	92.4
CAL5_ID_121321.d	FBSA	M5PFHxA - ISTD	Calibration	2.699	276452	845659	0.3269	4573.0190	5000.0000	91.5
CAL6_ID_121321.d	FBSA	M5PFHxA - ISTD	Calibration	2.691	573553	826199	0.6942	9711.0671	10000.0000	97.1
CAL7_ID_121321.d	FBSA	M5PFHxA - ISTD	Calibration	2.691	1457575	820582	1.7763	24847.7468	25000.0000	99.4
CAL8_ID_121321.d	FBSA	M5PFHxA - ISTD	Calibration	2.699	3009907	821106	3.6657	51278.0588	50000.0000	102.6
ICV1_ID_121321.d	FBSA	M5PFHxA - ISTD	QC	2.699	270127	823926	0.3279	4586.2571	5000.0000	91.7
BIC1_ID_121321.d	FBSA	M5PFHxA - ISTD	Sample					ND		

PFPeS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFPeS	M3PFHxS - ISTD	Calibration	2.852	5216	116945	0.0446	204.1773	235.0000	86.9
CAL2_ID_121321.d	PFPeS	M3PFHxS - ISTD	Calibration	2.852	9883	108223	0.0913	417.8111	470.0000	88.9
CAL3_ID_121321.d	PFPeS	M3PFHxS - ISTD	Calibration	2.852	21460	106164	0.2021	923.4579	941.0000	98.1
CAL4_ID_121321.d	PFPeS	M3PFHxS - ISTD	Calibration	2.852	56976	116794	0.4878	2220.3218	2350.0000	94.5
CAL5_ID_121321.d	PFPeS	M3PFHxS - ISTD	Calibration	2.852	117616	118092	0.9960	4503.3876	4700.0000	95.8
CAL6_ID_121321.d	PFPeS	M3PFHxS - ISTD	Calibration	2.852	235179	109477	2.1482	9574.2653	9410.0000	101.7
CAL7_ID_121321.d	PFPeS	M3PFHxS - ISTD	Calibration	2.852	615767	110019	5.5969	23970.5553	23500.0000	102.0
CAL8_ID_121321.d	PFPeS	M3PFHxS - ISTD	Calibration	2.852	1250047	107766	11.5997	46784.1406	47000.0000	99.5
ICV1_ID_121321.d	PFPeS	M3PFHxS - ISTD	QC	2.852	111715	112405	0.9939	4493.9611	4700.0000	95.6
BIC1_ID_121321.d	PFPeS	M3PFHxS - ISTD	Sample					ND		

HFPO-DA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	HFPO-DA	M3HFPO-DA - ISTD	Calibration	2.946	885	173274	0.0051	186.4592	250.0000	74.6
CAL2_ID_121321.d	HFPO-DA	M3HFPO-DA - ISTD	Calibration	2.946	2401	146499	0.0164	597.0119	500.0000	119.4
CAL3_ID_121321.d	HFPO-DA	M3HFPO-DA - ISTD	Calibration	2.946	4839	164277	0.0295	1069.6444	1000.0000	107.0
CAL4_ID_121321.d	HFPO-DA	M3HFPO-DA - ISTD	Calibration	2.946	13321	170336	0.0782	2807.4707	2500.0000	112.3
CAL5_ID_121321.d	HFPO-DA	M3HFPO-DA - ISTD	Calibration	2.946	25460	178726	0.1425	5040.5636	5000.0000	100.8
CAL6_ID_121321.d	HFPO-DA	M3HFPO-DA - ISTD	Calibration	2.946	56076	188623	0.2973	10183.5992	10000.0000	101.8
CAL7_ID_121321.d	HFPO-DA	M3HFPO-DA - ISTD	Calibration	2.946	148625	194637	0.7636	24078.9378	25000.0000	96.3
CAL8_ID_121321.d	HFPO-DA	M3HFPO-DA - ISTD	Calibration	2.946	311871	169909	1.8355	50328.1632	50000.0000	100.7
ICV1_ID_121321.d	HFPO-DA	M3HFPO-DA - ISTD	QC	2.946	24767	156503	0.1582	5580.2469	5000.0000	111.6

HFPO-DA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
BIC1_ID_121321.d	HFPO-DA	M3HFPO-DA - ISTD	Sample	3.125	151			ND		

PFHpA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFHpA	M4PFHpA - ISTD	Calibration	3.260	39562	853784	0.0463	242.1282	250.0000	96.9
CAL2_ID_121321.d	PFHpA	M4PFHpA - ISTD	Calibration	3.252	73229	824027	0.0889	463.9215	500.0000	92.8
CAL3_ID_121321.d	PFHpA	M4PFHpA - ISTD	Calibration	3.260	152556	812559	0.1877	977.9472	1000.0000	97.8
CAL4_ID_121321.d	PFHpA	M4PFHpA - ISTD	Calibration	3.260	409861	850547	0.4819	2493.8131	2500.0000	99.8
CAL5_ID_121321.d	PFHpA	M4PFHpA - ISTD	Calibration	3.260	812981	889341	0.9141	4687.0008	5000.0000	93.7
CAL6_ID_121321.d	PFHpA	M4PFHpA - ISTD	Calibration	3.252	1705114	847898	2.0110	10081.0728	10000.0000	100.8
CAL7_ID_121321.d	PFHpA	M4PFHpA - ISTD	Calibration	3.252	4463083	825431	5.4070	25483.7482	25000.0000	101.9
CAL8_ID_121321.d	PFHpA	M4PFHpA - ISTD	Calibration	3.260	9515102	822713	11.5655	49805.3717	50000.0000	99.6
ICV1_ID_121321.d	PFHpA	M4PFHpA - ISTD	QC	3.260	800129	861707	0.9285	4759.3841	5000.0000	95.2
BIC1_ID_121321.d	PFHpA	M4PFHpA - ISTD	Sample	3.252	756139			ND		

PFHxS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFHxS	M3PFHxS - ISTD	Calibration	3.285	6115	116945	0.0523	230.7142	228.0000	101.2
CAL2_ID_121321.d	PFHxS	M3PFHxS - ISTD	Calibration	3.285	10362	108223	0.0957	422.3871	457.0000	92.4
CAL3_ID_121321.d	PFHxS	M3PFHxS - ISTD	Calibration	3.285	19829	106164	0.1868	823.6375	914.0000	90.1
CAL4_ID_121321.d	PFHxS	M3PFHxS - ISTD	Calibration	3.285	58117	116794	0.4976	2191.5862	2280.0000	96.1
CAL5_ID_121321.d	PFHxS	M3PFHxS - ISTD	Calibration	3.285	112345	118092	0.9513	4182.2537	4570.0000	91.5
CAL6_ID_121321.d	PFHxS	M3PFHxS - ISTD	Calibration	3.285	235727	109477	2.1532	9420.4711	9140.0000	103.1
CAL7_ID_121321.d	PFHxS	M3PFHxS - ISTD	Calibration	3.285	596706	110019	5.4236	23428.1411	22800.0000	102.8
CAL8_ID_121321.d	PFHxS	M3PFHxS - ISTD	Calibration	3.285	1154835	107766	10.7162	45388.0922	45700.0000	99.3
ICV1_ID_121321.d	PFHxS	M3PFHxS - ISTD	QC	3.285	108759	112405	0.9676	4253.3251	4570.0000	93.1
BIC1_ID_121321.d	PFHxS	M3PFHxS - ISTD	Sample	3.374	215			ND		

ADONA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	ADONA	M4PFHpA - ISTD	Calibration	3.301	65892	853784	0.0772	229.2983	236.0000	97.2
CAL2_ID_121321.d	ADONA	M4PFHpA - ISTD	Calibration	3.301	122079	824027	0.1481	439.6715	472.0000	93.2
CAL3_ID_121321.d	ADONA	M4PFHpA - ISTD	Calibration	3.301	257583	812559	0.3170	938.2696	945.0000	99.3
CAL4_ID_121321.d	ADONA	M4PFHpA - ISTD	Calibration	3.301	676520	850547	0.7954	2336.7071	2360.0000	99.0
CAL5_ID_121321.d	ADONA	M4PFHpA - ISTD	Calibration	3.301	1334608	889341	1.5007	4361.6767	4720.0000	92.4
CAL6_ID_121321.d	ADONA	M4PFHpA - ISTD	Calibration	3.301	2856342	847898	3.3687	9531.7732	9450.0000	100.9
CAL7_ID_121321.d	ADONA	M4PFHpA - ISTD	Calibration	3.301	7566579	825431	9.1668	24131.9627	23600.0000	102.3
CAL8_ID_121321.d	ADONA	M4PFHpA - ISTD	Calibration	3.301	16286485	822713	19.7961	46992.2644	47200.0000	99.6
ICV1_ID_121321.d	ADONA	M4PFHpA - ISTD	QC	3.301	1300492	861707	1.5092	4385.9204	4720.0000	92.9
BIC1_ID_121321.d	ADONA	M4PFHpA - ISTD	Sample	3.243	297			ND		

6-2 FTS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	6-2 FTS	M2-6-2-FTS - ISTD	Calibration	3.510	5910	114237	0.0517	187.6347	238.0000	78.8
CAL2_ID_121321.d	6-2 FTS	M2-6-2-FTS - ISTD	Calibration	3.510	15117	110917	0.1363	495.1663	476.0000	104.0
CAL3_ID_121321.d	6-2 FTS	M2-6-2-FTS - ISTD	Calibration	3.510	25558	115743	0.2208	803.7342	951.0000	84.5
CAL4_ID_121321.d	6-2 FTS	M2-6-2-FTS - ISTD	Calibration	3.510	77001	116244	0.6624	2434.1812	2380.0000	102.3
CAL5_ID_121321.d	6-2 FTS	M2-6-2-FTS - ISTD	Calibration	3.510	152867	121864	1.2544	4671.2700	4760.0000	98.1
CAL6_ID_121321.d	6-2 FTS	M2-6-2-FTS - ISTD	Calibration	3.510	313457	115602	2.7115	10459.1304	9510.0000	110.0
CAL7_ID_121321.d	6-2 FTS	M2-6-2-FTS - ISTD	Calibration	3.510	661719	122537	5.4002	22508.5068	23800.0000	94.6
CAL8_ID_121321.d	6-2 FTS	M2-6-2-FTS - ISTD	Calibration	3.510	1087020	113349	9.5900	48307.4106	47600.0000	101.5
ICV1_ID_121321.d	6-2 FTS	M2-6-2-FTS - ISTD	QC	3.510	155201	122440	1.2676	4721.6795	4760.0000	99.2
BIC1_ID_121321.d	6-2 FTS	M2-6-2-FTS - ISTD	Sample	3.774	148			ND		

PFOA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFOA	M8PFOA - ISTD	Calibration	3.526	40034	867020	0.0462	250.0280	250.0000	100.0
CAL2_ID_121321.d	PFOA	M8PFOA - ISTD	Calibration	3.526	70109	825451	0.0849	459.5609	500.0000	91.9
CAL3_ID_121321.d	PFOA	M8PFOA - ISTD	Calibration	3.526	150119	838716	0.1790	966.7148	1000.0000	96.7
CAL4_ID_121321.d	PFOA	M8PFOA - ISTD	Calibration	3.526	384152	858262	0.4476	2405.1641	2500.0000	96.2
CAL5_ID_121321.d	PFOA	M8PFOA - ISTD	Calibration	3.526	794678	896666	0.8863	4723.5817	5000.0000	94.5
CAL6_ID_121321.d	PFOA	M8PFOA - ISTD	Calibration	3.526	1646819	851689	1.9336	10114.1973	10000.0000	101.1
CAL7_ID_121321.d	PFOA	M8PFOA - ISTD	Calibration	3.526	4224991	821309	5.1442	25549.1877	25000.0000	102.2
CAL8_ID_121321.d	PFOA	M8PFOA - ISTD	Calibration	3.526	8550407	790620	10.8148	49768.3802	50000.0000	99.5
ICV1_ID_121321.d	PFOA	M8PFOA - ISTD	QC	3.526	787522	864919	0.9105	4850.7016	5000.0000	97.0
BIC1_ID_121321.d	PFOA	M8PFOA - ISTD	Sample	3.526	40763235			ND		

PFHpS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFHpS	M8PFOS - ISTD	Calibration	3.533	3223	128571	0.0251	229.6462	238.0000	96.5
CAL2_ID_121321.d	PFHpS	M8PFOS - ISTD	Calibration	3.533	5719	112127	0.0510	467.1412	476.0000	98.1
CAL3_ID_121321.d	PFHpS	M8PFOS - ISTD	Calibration	3.533	11504	119430	0.0963	881.6891	953.0000	92.5
CAL4_ID_121321.d	PFHpS	M8PFOS - ISTD	Calibration	3.533	31243	130303	0.2398	2190.7008	2380.0000	92.0
CAL5_ID_121321.d	PFHpS	M8PFOS - ISTD	Calibration	3.533	65986	126070	0.5234	4765.2791	4760.0000	100.1
CAL6_ID_121321.d	PFHpS	M8PFOS - ISTD	Calibration	3.533	135338	124870	1.0838	9799.7195	9530.0000	102.8
CAL7_ID_121321.d	PFHpS	M8PFOS - ISTD	Calibration	3.533	336015	124832	2.6917	23878.4641	23800.0000	100.3
CAL8_ID_121321.d	PFHpS	M8PFOS - ISTD	Calibration	3.533	657013	118873	5.5270	47523.3790	47600.0000	99.8
ICV1_ID_121321.d	PFHpS	M8PFOS - ISTD	QC	3.533	61853	130985	0.4722	4301.9495	4760.0000	90.4
BIC1_ID_121321.d	PFHpS	M8PFOS - ISTD	Sample					ND		

FHxSA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	FHxSA	M8PFOA - ISTD	Calibration	3.640	16134	867020	0.0186	264.3852	250.0000	105.8
CAL2_ID_121321.d	FHxSA	M8PFOA - ISTD	Calibration	3.640	28086	825451	0.0340	482.8862	500.0000	96.6
CAL3_ID_121321.d	FHxSA	M8PFOA - ISTD	Calibration	3.640	58499	838716	0.0697	987.2796	1000.0000	98.7

FHxSA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL4_ID_121321.d	FHxSA	M8PFOA - ISTD	Calibration	3.640	153026	858262	0.1783	2504.1617	2500.0000	100.2
CAL5_ID_121321.d	FHxSA	M8PFOA - ISTD	Calibration	3.640	309455	896666	0.3451	4790.9633	5000.0000	95.8
CAL6_ID_121321.d	FHxSA	M8PFOA - ISTD	Calibration	3.640	643111	851689	0.7551	10202.6504	10000.0000	102.0
CAL7_ID_121321.d	FHxSA	M8PFOA - ISTD	Calibration	3.640	1633964	821309	1.9895	25047.2834	25000.0000	100.2
CAL8_ID_121321.d	FHxSA	M8PFOA - ISTD	Calibration	3.640	3496993	790620	4.4231	49965.4679	50000.0000	99.9
ICV1_ID_121321.d	FHxSA	M8PFOA - ISTD	QC	3.640	308445	864919	0.3566	4946.7054	5000.0000	98.9
BIC1_ID_121321.d	FHxSA	M8PFOA - ISTD	Sample					ND		

PFOS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFOS	M8PFOS - ISTD	Calibration	3.709	6246	128571	0.0486	206.9339	232.0000	89.2
CAL2_ID_121321.d	PFOS	M8PFOS - ISTD	Calibration	3.709	11078	112127	0.0988	420.8568	464.0000	90.7
CAL3_ID_121321.d	PFOS	M8PFOS - ISTD	Calibration	3.709	23648	119430	0.1980	843.4160	928.0000	90.9
CAL4_ID_121321.d	PFOS	M8PFOS - ISTD	Calibration	3.709	61425	130303	0.4714	2007.9987	2320.0000	86.6
CAL5_ID_121321.d	PFOS	M8PFOS - ISTD	Calibration	3.709	126503	126070	1.0034	4274.2485	4640.0000	92.1
CAL6_ID_121321.d	PFOS	M8PFOS - ISTD	Calibration	3.709	256427	124870	2.0536	8747.3706	9280.0000	94.3
CAL7_ID_121321.d	PFOS	M8PFOS - ISTD	Calibration	3.709	646904	124832	5.1822	22074.2881	23200.0000	95.1
CAL8_ID_121321.d	PFOS	M8PFOS - ISTD	Calibration	3.709	1364337	118873	11.4773	48888.8874	46400.0000	105.4
ICV1_ID_121321.d	PFOS	M8PFOS - ISTD	QC	3.709	120416	130985	0.9193	3915.9222	4640.0000	84.4
BIC1_ID_121321.d	PFOS	M8PFOS - ISTD	Sample	3.581	59			ND		

PFNA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFNA	M9PFNA - ISTD	Calibration	3.709	44680	865282	0.0516	273.5521	250.0000	109.4
CAL2_ID_121321.d	PFNA	M9PFNA - ISTD	Calibration	3.709	69476	805965	0.0862	456.2431	500.0000	91.2
CAL3_ID_121321.d	PFNA	M9PFNA - ISTD	Calibration	3.709	143541	800797	0.1792	946.3499	1000.0000	94.6
CAL4_ID_121321.d	PFNA	M9PFNA - ISTD	Calibration	3.717	417810	851483	0.4907	2569.4163	2500.0000	102.8
CAL5_ID_121321.d	PFNA	M9PFNA - ISTD	Calibration	3.709	833657	852539	0.9779	5057.0296	5000.0000	101.1
CAL6_ID_121321.d	PFNA	M9PFNA - ISTD	Calibration	3.709	1623621	821588	1.9762	9975.8677	10000.0000	99.8
CAL7_ID_121321.d	PFNA	M9PFNA - ISTD	Calibration	3.709	4317367	814044	5.3036	24956.6444	25000.0000	99.8
CAL8_ID_121321.d	PFNA	M9PFNA - ISTD	Calibration	3.709	8893408	751444	11.8351	50016.1355	50000.0000	100.0
ICV1_ID_121321.d	PFNA	M9PFNA - ISTD	QC	3.709	746327	779949	0.9569	4951.2323	5000.0000	99.0
BIC1_ID_121321.d	PFNA	M9PFNA - ISTD	Sample	3.693	49248			ND		

9Cl-PF3ONS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	9Cl-PF3ONS	M8PFOS - ISTD	Calibration	3.803	24017	128571	0.1868	230.3199	233.0000	98.8
CAL2_ID_121321.d	9Cl-PF3ONS	M8PFOS - ISTD	Calibration	3.803	45541	112127	0.4062	500.0497	466.0000	107.3
CAL3_ID_121321.d	9Cl-PF3ONS	M8PFOS - ISTD	Calibration	3.803	88299	119430	0.7393	908.2535	933.0000	97.3
CAL4_ID_121321.d	9Cl-PF3ONS	M8PFOS - ISTD	Calibration	3.803	242632	130303	1.8621	2270.7549	2330.0000	97.5
CAL5_ID_121321.d	9Cl-PF3ONS	M8PFOS - ISTD	Calibration	3.803	491084	126070	3.8953	4689.4331	4660.0000	100.6
CAL6_ID_121321.d	9Cl-PF3ONS	M8PFOS - ISTD	Calibration	3.803	1008714	124870	8.0781	9484.1156	9330.0000	101.7

9Cl-PF3ONS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL7_ID_121321.d	9Cl-PF3ONS	M8PFOS - ISTD	Calibration	3.803	2631382	124832	21.0795	23119.9545	23300.0000	99.2
CAL8_ID_121321.d	9Cl-PF3ONS	M8PFOS - ISTD	Calibration	3.803	5630399	118873	47.3649	46652.3240	46600.0000	100.1
ICV1_ID_121321.d	9Cl-PF3ONS	M8PFOS - ISTD	QC	3.803	467110	130985	3.5661	4301.9556	4660.0000	92.3
BIC1_ID_121321.d	9Cl-PF3ONS	M8PFOS - ISTD	Sample	3.819	164			ND		

PFNS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFNS	M8PFOS - ISTD	Calibration	3.859	1683	128571	0.0131	168.9885	240.0000	70.4
CAL2_ID_121321.d	PFNS	M8PFOS - ISTD	Calibration	3.867	3929	112127	0.0350	452.0812	481.0000	94.0
CAL3_ID_121321.d	PFNS	M8PFOS - ISTD	Calibration	3.859	9411	119430	0.0788	1016.3157	962.0000	105.6
CAL4_ID_121321.d	PFNS	M8PFOS - ISTD	Calibration	3.859	20835	130303	0.1599	2060.3132	2400.0000	85.8
CAL5_ID_121321.d	PFNS	M8PFOS - ISTD	Calibration	3.867	43706	126070	0.3467	4457.5737	4810.0000	92.7
CAL6_ID_121321.d	PFNS	M8PFOS - ISTD	Calibration	3.859	98791	124870	0.7912	10122.5417	9620.0000	105.2
CAL7_ID_121321.d	PFNS	M8PFOS - ISTD	Calibration	3.859	242406	124832	1.9419	24537.4734	24000.0000	102.2
CAL8_ID_121321.d	PFNS	M8PFOS - ISTD	Calibration	3.859	458628	118873	3.8581	47795.8566	48100.0000	99.4
ICV1_ID_121321.d	PFNS	M8PFOS - ISTD	QC	3.867	45761	130985	0.3494	4491.9277	4810.0000	93.4
BIC1_ID_121321.d	PFNS	M8PFOS - ISTD	Sample					ND		

8-2 FTS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	8-2 FTS	M2-8-2-FTS - ISTD	Calibration	3.867	12330	268356	0.0459	222.5840	240.0000	92.7
CAL2_ID_121321.d	8-2 FTS	M2-8-2-FTS - ISTD	Calibration	3.867	24066	259378	0.0928	450.1739	480.0000	93.8
CAL3_ID_121321.d	8-2 FTS	M2-8-2-FTS - ISTD	Calibration	3.867	48247	268398	0.1798	874.7546	960.0000	91.1
CAL4_ID_121321.d	8-2 FTS	M2-8-2-FTS - ISTD	Calibration	3.867	127025	262938	0.4831	2375.6829	2400.0000	99.0
CAL5_ID_121321.d	8-2 FTS	M2-8-2-FTS - ISTD	Calibration	3.867	246211	270926	0.9088	4537.9756	4800.0000	94.5
CAL6_ID_121321.d	8-2 FTS	M2-8-2-FTS - ISTD	Calibration	3.867	437528	260419	1.6801	8642.8391	9600.0000	90.0
CAL7_ID_121321.d	8-2 FTS	M2-8-2-FTS - ISTD	Calibration	3.867	999401	218737	4.5690	27224.5275	24000.0000	113.4
CAL8_ID_121321.d	8-2 FTS	M2-8-2-FTS - ISTD	Calibration	3.867	1534706	237757	6.4549	45601.2123	48000.0000	95.0
ICV1_ID_121321.d	8-2 FTS	M2-8-2-FTS - ISTD	QC	3.867	239043	270175	0.8848	4414.1957	4800.0000	92.0
BIC1_ID_121321.d	8-2 FTS	M2-8-2-FTS - ISTD	Sample	3.883	130			ND		

PFDA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFDA	M6PFDA - ISTD	Calibration	3.868	45661	940431	0.0486	253.9400	250.0000	101.6
CAL2_ID_121321.d	PFDA	M6PFDA - ISTD	Calibration	3.868	70947	891231	0.0796	416.0107	500.0000	83.2
CAL3_ID_121321.d	PFDA	M6PFDA - ISTD	Calibration	3.868	182041	927381	0.1963	1022.6630	1000.0000	102.3
CAL4_ID_121321.d	PFDA	M6PFDA - ISTD	Calibration	3.868	453263	916761	0.4944	2555.9520	2500.0000	102.2
CAL5_ID_121321.d	PFDA	M6PFDA - ISTD	Calibration	3.868	931296	935231	0.9958	5083.2561	5000.0000	101.7
CAL6_ID_121321.d	PFDA	M6PFDA - ISTD	Calibration	3.868	1835354	915564	2.0046	9989.6115	10000.0000	99.9
CAL7_ID_121321.d	PFDA	M6PFDA - ISTD	Calibration	3.868	4645464	867295	5.3563	24893.1950	25000.0000	99.6
CAL8_ID_121321.d	PFDA	M6PFDA - ISTD	Calibration	3.868	9625014	802692	11.9909	50038.4250	50000.0000	100.1
ICV1_ID_121321.d	PFDA	M6PFDA - ISTD	QC	3.868	906507	930204	0.9745	4977.3106	5000.0000	99.5

PFDA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
BIC1_ID_121321.d	PFDA	M6PFDA - ISTD	Sample	3.532	3106			ND		

N-MeFOSAA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Calibration	3.946	12903	212623	0.0607	216.1090	250.0000	86.4
CAL2_ID_121321.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Calibration	3.946	24975	195191	0.1279	455.6487	500.0000	91.1
CAL3_ID_121321.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Calibration	3.946	50023	187716	0.2665	948.9862	1000.0000	94.9
CAL4_ID_121321.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Calibration	3.946	138440	202759	0.6828	2431.4873	2500.0000	97.3
CAL5_ID_121321.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Calibration	3.946	272036	210828	1.2903	4595.0237	5000.0000	91.9
CAL6_ID_121321.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Calibration	3.946	548896	194975	2.8152	10025.3905	10000.0000	100.3
CAL7_ID_121321.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Calibration	3.946	1416796	204983	6.9118	24613.8662	25000.0000	98.5
CAL8_ID_121321.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Calibration	3.946	2808924	199130	14.1060	50233.5453	50000.0000	100.5
ICV1_ID_121321.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	QC	3.946	264057	199393	1.3243	4716.0475	5000.0000	94.3
BIC1_ID_121321.d	N-MeFOSAA	d3-N-MeFOSAA - ISTD	Sample	3.938	96	66	1.4422	5135.8313		

PFDS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFDS	M3PFBS - ISTD	Calibration	4.009	5824	142204	0.0410	249.5715	241.0000	103.6
CAL2_ID_121321.d	PFDS	M3PFBS - ISTD	Calibration	4.009	8832	135822	0.0650	396.2409	482.0000	82.2
CAL3_ID_121321.d	PFDS	M3PFBS - ISTD	Calibration	4.009	19157	137975	0.1388	846.0287	965.0000	87.7
CAL4_ID_121321.d	PFDS	M3PFBS - ISTD	Calibration	4.009	53212	141605	0.3758	2289.7659	2410.0000	95.0
CAL5_ID_121321.d	PFDS	M3PFBS - ISTD	Calibration	4.009	106372	144694	0.7352	4479.5520	4820.0000	92.9
CAL6_ID_121321.d	PFDS	M3PFBS - ISTD	Calibration	4.009	223505	138740	1.6110	9816.2167	9650.0000	101.7
CAL7_ID_121321.d	PFDS	M3PFBS - ISTD	Calibration	4.009	551517	137673	4.0060	24409.9713	24100.0000	101.3
CAL8_ID_121321.d	PFDS	M3PFBS - ISTD	Calibration	4.009	1085301	137616	7.8864	48054.9896	48200.0000	99.7
ICV1_ID_121321.d	PFDS	M3PFBS - ISTD	QC	4.009	95354	140970	0.6764	4121.6549	4820.0000	85.5
BIC1_ID_121321.d	PFDS	M3PFBS - ISTD	Sample	3.881	140			ND		

PFUnA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFUnA	M7PFUnA - ISTD	Calibration	4.018	53589	1196951	0.0448	240.2714	250.0000	96.1
CAL2_ID_121321.d	PFUnA	M7PFUnA - ISTD	Calibration	4.018	95892	1126590	0.0851	456.4000	500.0000	91.3
CAL3_ID_121321.d	PFUnA	M7PFUnA - ISTD	Calibration	4.018	210696	1247412	0.1689	904.0629	1000.0000	90.4
CAL4_ID_121321.d	PFUnA	M7PFUnA - ISTD	Calibration	4.018	549239	1265367	0.4341	2310.2547	2500.0000	92.4
CAL5_ID_121321.d	PFUnA	M7PFUnA - ISTD	Calibration	4.018	1144976	1222148	0.9369	4934.8900	5000.0000	98.7
CAL6_ID_121321.d	PFUnA	M7PFUnA - ISTD	Calibration	4.018	2310660	1156231	1.9984	10308.7132	10000.0000	103.1
CAL7_ID_121321.d	PFUnA	M7PFUnA - ISTD	Calibration	4.018	5868295	1135586	5.1676	25208.6182	25000.0000	100.8
CAL8_ID_121321.d	PFUnA	M7PFUnA - ISTD	Calibration	4.018	11555426	1036931	11.1439	49876.3352	50000.0000	99.8
ICV1_ID_121321.d	PFUnA	M7PFUnA - ISTD	QC	4.018	1098985	1182075	0.9297	4897.9495	5000.0000	98.0
BIC1_ID_121321.d	PFUnA	M7PFUnA - ISTD	Sample	4.613	131483			ND		

N-EtFOSAA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Calibration	4.026	12697	215992	0.0588	270.7547	250.0000	108.3
CAL2_ID_121321.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Calibration	4.026	20597	203645	0.1011	465.4268	500.0000	93.1
CAL3_ID_121321.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Calibration	4.026	44145	209388	0.2108	967.9596	1000.0000	96.8
CAL4_ID_121321.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Calibration	4.026	115555	223461	0.5171	2359.2993	2500.0000	94.4
CAL5_ID_121321.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Calibration	4.026	241354	216405	1.1153	5027.9708	5000.0000	100.6
CAL6_ID_121321.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Calibration	4.026	455354	194268	2.3440	10323.7133	10000.0000	103.2
CAL7_ID_121321.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Calibration	4.026	1148554	191963	5.9832	24792.4922	25000.0000	99.2
CAL8_ID_121321.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Calibration	4.026	2207139	165647	13.3243	50042.3895	50000.0000	100.1
ICV1_ID_121321.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	QC	4.026	228898	214389	1.0677	4817.8392	5000.0000	96.4
BIC1_ID_121321.d	N-EtFOSAA	d5-N-EtFOSAA - ISTD	Sample	3.954	503	1006	0.4999	2281.7013		

FOSA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	FOSA	M8FOSA - ISTD	Calibration	4.029	14794	367077	0.0403	225.1938	250.0000	90.1
CAL2_ID_121321.d	FOSA	M8FOSA - ISTD	Calibration	4.029	28644	356760	0.0803	448.3246	500.0000	89.7
CAL3_ID_121321.d	FOSA	M8FOSA - ISTD	Calibration	4.029	61764	376385	0.1641	914.9739	1000.0000	91.5
CAL4_ID_121321.d	FOSA	M8FOSA - ISTD	Calibration	4.029	164412	367618	0.4472	2481.6139	2500.0000	99.3
CAL5_ID_121321.d	FOSA	M8FOSA - ISTD	Calibration	4.029	343017	385751	0.8892	4897.5569	5000.0000	98.0
CAL6_ID_121321.d	FOSA	M8FOSA - ISTD	Calibration	4.029	694315	365763	1.8983	10285.2399	10000.0000	102.9
CAL7_ID_121321.d	FOSA	M8FOSA - ISTD	Calibration	4.029	1732909	358818	4.8295	25051.9684	25000.0000	100.2
CAL8_ID_121321.d	FOSA	M8FOSA - ISTD	Calibration	4.029	3529994	342075	10.3194	49941.3923	50000.0000	99.9
ICV1_ID_121321.d	FOSA	M8FOSA - ISTD	QC	4.029	333871	372738	0.8957	4932.8547	5000.0000	98.7
BIC1_ID_121321.d	FOSA	M8FOSA - ISTD	Sample	4.029	36			ND		

11Cl-PF3OUdS

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	11Cl-PF3OUdS	M8PFOS - ISTD	Calibration	4.088	11131	128571	0.0866	221.5954	236.0000	93.9
CAL2_ID_121321.d	11Cl-PF3OUdS	M8PFOS - ISTD	Calibration	4.088	19539	112127	0.1743	445.5435	472.0000	94.4
CAL3_ID_121321.d	11Cl-PF3OUdS	M8PFOS - ISTD	Calibration	4.088	40657	119430	0.3404	868.6368	943.0000	92.1
CAL4_ID_121321.d	11Cl-PF3OUdS	M8PFOS - ISTD	Calibration	4.088	120064	130303	0.9214	2334.9577	2360.0000	98.9
CAL5_ID_121321.d	11Cl-PF3OUdS	M8PFOS - ISTD	Calibration	4.088	235336	126070	1.8667	4678.8664	4720.0000	99.1
CAL6_ID_121321.d	11Cl-PF3OUdS	M8PFOS - ISTD	Calibration	4.088	516481	124870	4.1362	10111.9716	9430.0000	107.2
CAL7_ID_121321.d	11Cl-PF3OUdS	M8PFOS - ISTD	Calibration	4.088	1237833	124832	9.9160	22913.2895	23600.0000	97.1
CAL8_ID_121321.d	11Cl-PF3OUdS	M8PFOS - ISTD	Calibration	4.088	2693605	118873	22.6596	47391.6335	47200.0000	100.4
ICV1_ID_121321.d	11Cl-PF3OUdS	M8PFOS - ISTD	QC	4.088	236742	130985	1.8074	4533.2606	4720.0000	96.0
BIC1_ID_121321.d	11Cl-PF3OUdS	M8PFOS - ISTD	Sample	4.112	224			ND		

PFDoA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFDoA	MPFDoA - ISTD	Calibration	4.153	64729	1290279	0.0502	217.5805	250.0000	87.0
CAL2_ID_121321.d	PFDoA	MPFDoA - ISTD	Calibration	4.153	113598	1177993	0.0964	418.2491	500.0000	83.6
CAL3_ID_121321.d	PFDoA	MPFDoA - ISTD	Calibration	4.153	234440	1243849	0.1885	817.4704	1000.0000	81.7

PFDoA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL4_ID_121321.d	PFDoA	MPFDoA - ISTD	Calibration	4.153	623801	1192771	0.5230	2268.2811	2500.0000	90.7
CAL5_ID_121321.d	PFDoA	MPFDoA - ISTD	Calibration	4.153	1287483	1324578	0.9720	4215.7198	5000.0000	84.3
CAL6_ID_121321.d	PFDoA	MPFDoA - ISTD	Calibration	4.153	2616370	1222062	2.1409	9285.6807	10000.0000	92.9
CAL7_ID_121321.d	PFDoA	MPFDoA - ISTD	Calibration	4.153	6948417	1215293	5.7175	24797.7749	25000.0000	99.2
CAL8_ID_121321.d	PFDoA	MPFDoA - ISTD	Calibration	4.153	14194940	1178766	12.0422	52229.2436	50000.0000	104.5
ICV1_ID_121321.d	PFDoA	MPFDoA - ISTD	QC	4.153	1207336	1239228	0.9743	4225.5643	5000.0000	84.5
BIC1_ID_121321.d	PFDoA	MPFDoA - ISTD	Sample	4.577	62617			ND		

PFTrDA

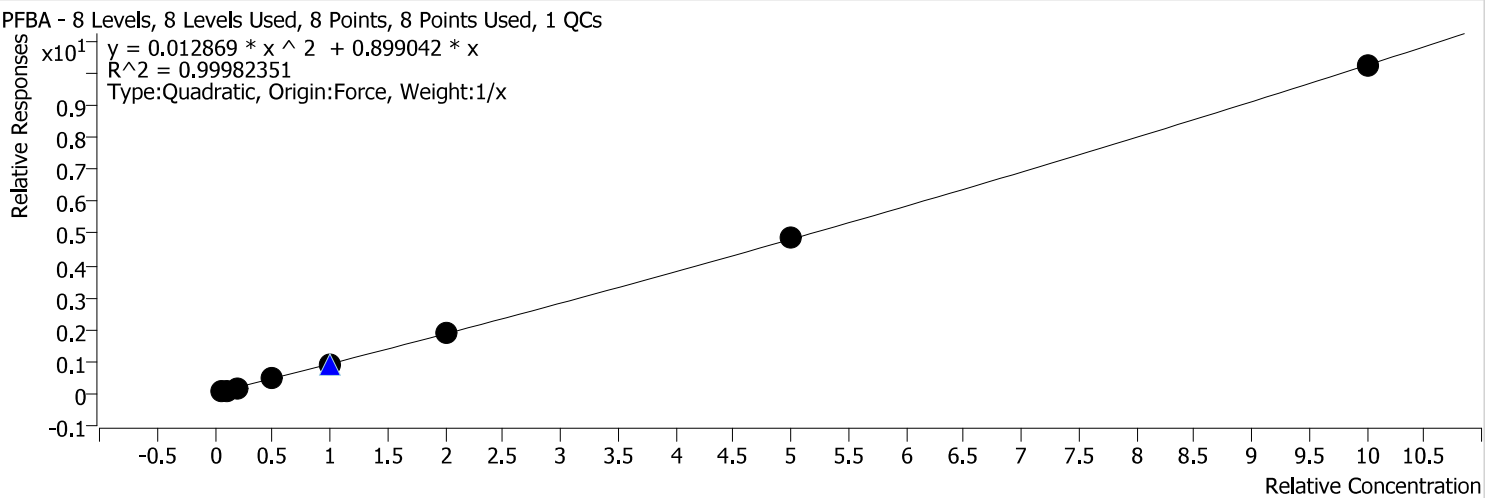
Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFTrDA	M2PFTA - ISTD	Calibration	4.282	82008	1423707	0.0576	240.7348	250.0000	96.3
CAL2_ID_121321.d	PFTrDA	M2PFTA - ISTD	Calibration	4.282	143633	1401171	0.1025	428.2563	500.0000	85.7
CAL3_ID_121321.d	PFTrDA	M2PFTA - ISTD	Calibration	4.282	304072	1448529	0.2099	876.2025	1000.0000	87.6
CAL4_ID_121321.d	PFTrDA	M2PFTA - ISTD	Calibration	4.282	827992	1433024	0.5778	2404.4418	2500.0000	96.2
CAL5_ID_121321.d	PFTrDA	M2PFTA - ISTD	Calibration	4.282	1651921	1554731	1.0625	4404.1461	5000.0000	88.1
CAL6_ID_121321.d	PFTrDA	M2PFTA - ISTD	Calibration	4.282	3435298	1446098	2.3756	9744.2858	10000.0000	97.4
CAL7_ID_121321.d	PFTrDA	M2PFTA - ISTD	Calibration	4.282	9445093	1393180	6.7795	26908.5748	25000.0000	107.6
CAL8_ID_121321.d	PFTrDA	M2PFTA - ISTD	Calibration	4.282	17821659	1379027	12.9234	49222.4939	50000.0000	98.4
ICV1_ID_121321.d	PFTrDA	M2PFTA - ISTD	QC	4.282	1564039	1420252	1.1012	4563.2436	5000.0000	91.3
BIC1_ID_121321.d	PFTrDA	M2PFTA - ISTD	Sample	4.485	75446			ND		

PFTA

Data File	Compound	ISTD	Sample Type	RT	Resp.	ISTD Resp.	Resp. Ratio	Final Conc	Exp. Conc	Accuracy
CAL1_ID_121321.d	PFTA	M2PFTA - ISTD	Calibration	4.395	69778	1423707	0.0490	254.0882	250.0000	101.6
CAL2_ID_121321.d	PFTA	M2PFTA - ISTD	Calibration	4.395	122851	1401171	0.0877	454.2176	500.0000	90.8
CAL3_ID_121321.d	PFTA	M2PFTA - ISTD	Calibration	4.395	260996	1448529	0.1802	931.8500	1000.0000	93.2
CAL4_ID_121321.d	PFTA	M2PFTA - ISTD	Calibration	4.395	660271	1433024	0.4608	2370.7950	2500.0000	94.8
CAL5_ID_121321.d	PFTA	M2PFTA - ISTD	Calibration	4.395	1380676	1554731	0.8880	4534.7436	5000.0000	90.7
CAL6_ID_121321.d	PFTA	M2PFTA - ISTD	Calibration	4.395	2938528	1446098	2.0320	10175.1435	10000.0000	101.8
CAL7_ID_121321.d	PFTA	M2PFTA - ISTD	Calibration	4.395	7587551	1393180	5.4462	25874.1042	25000.0000	103.5
CAL8_ID_121321.d	PFTA	M2PFTA - ISTD	Calibration	4.395	15523895	1379027	11.2571	49632.9744	50000.0000	99.3
ICV1_ID_121321.d	PFTA	M2PFTA - ISTD	QC	4.395	1286857	1420252	0.9061	4625.3348	5000.0000	92.5
BIC1_ID_121321.d	PFTA	M2PFTA - ISTD	Sample	4.403	13730			ND		

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:22 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

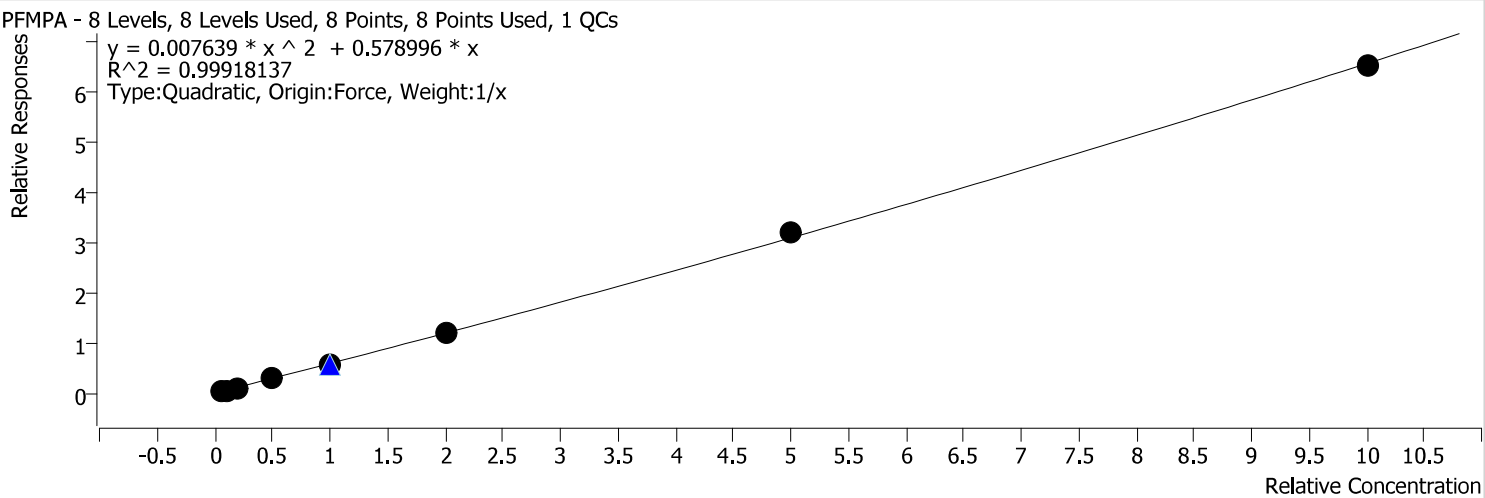
PFBA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	47946	500.0000	0.8383
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	99539	1000.0000	0.8618
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	266158	2500.0000	0.8924
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	538885	5000.0000	0.8808
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	522993	5000.0000	0.8773
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	1105639	10000.0000	0.9347
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	2840674	25000.0000	0.9768
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	6034687	50000.0000	1.0243

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

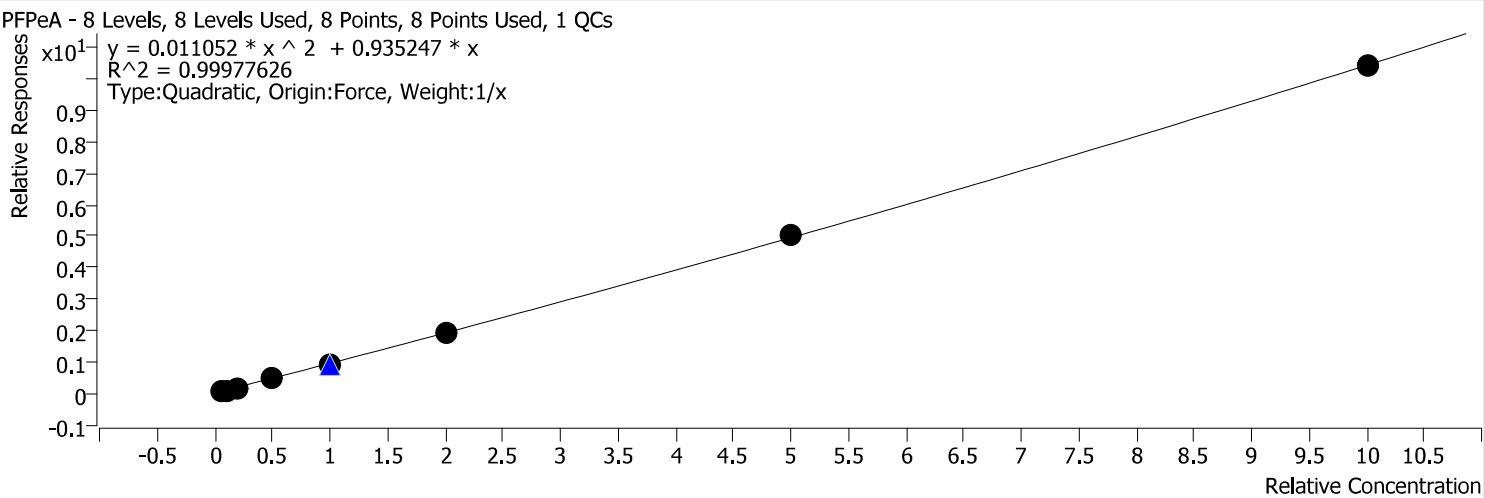
PFMPA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	15907	250.0000	0.5320
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	29572	500.0000	0.5171
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	61726	1000.0000	0.5344
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	167238	2500.0000	0.5607
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	336495	5000.0000	0.5500
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	330383	5000.0000	0.5542
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	703559	10000.0000	0.5948
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	1864850	25000.0000	0.6413
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	3828065	50000.0000	0.6498

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

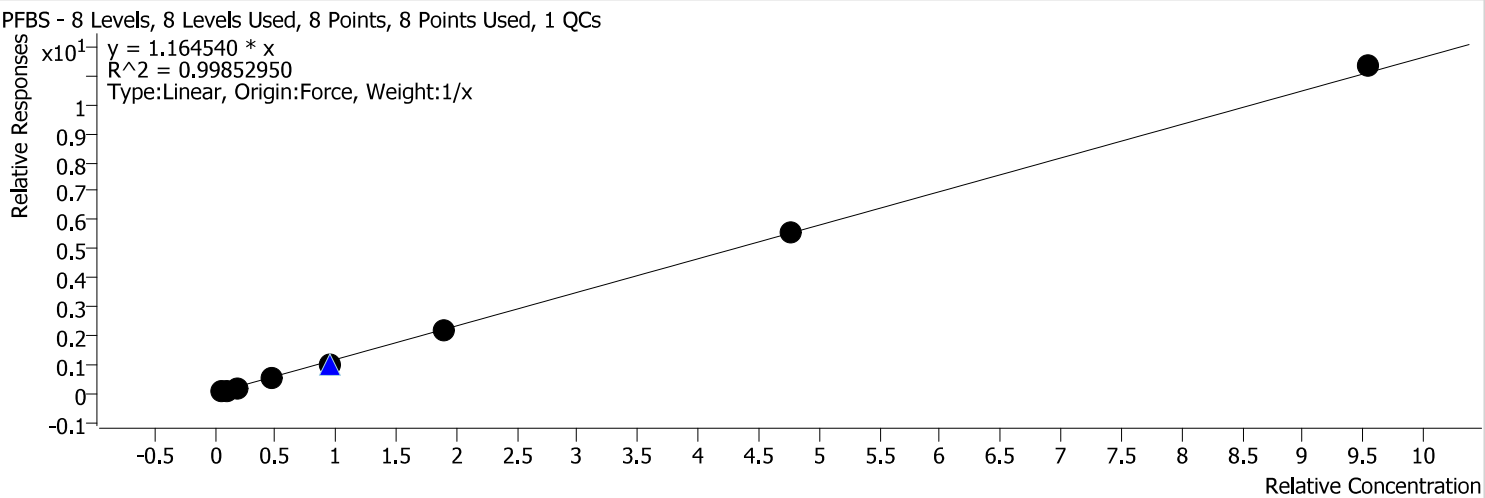
PFPeA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	26535	250.0000	0.8939
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	49480	500.0000	0.8667
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	102625	1000.0000	0.8843
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	276707	2500.0000	0.9326
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	554482	5000.0000	0.9093
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	535262	5000.0000	0.9068
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	1139277	10000.0000	0.9712
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	2924159	25000.0000	1.0043
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	6141351	50000.0000	1.0422

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

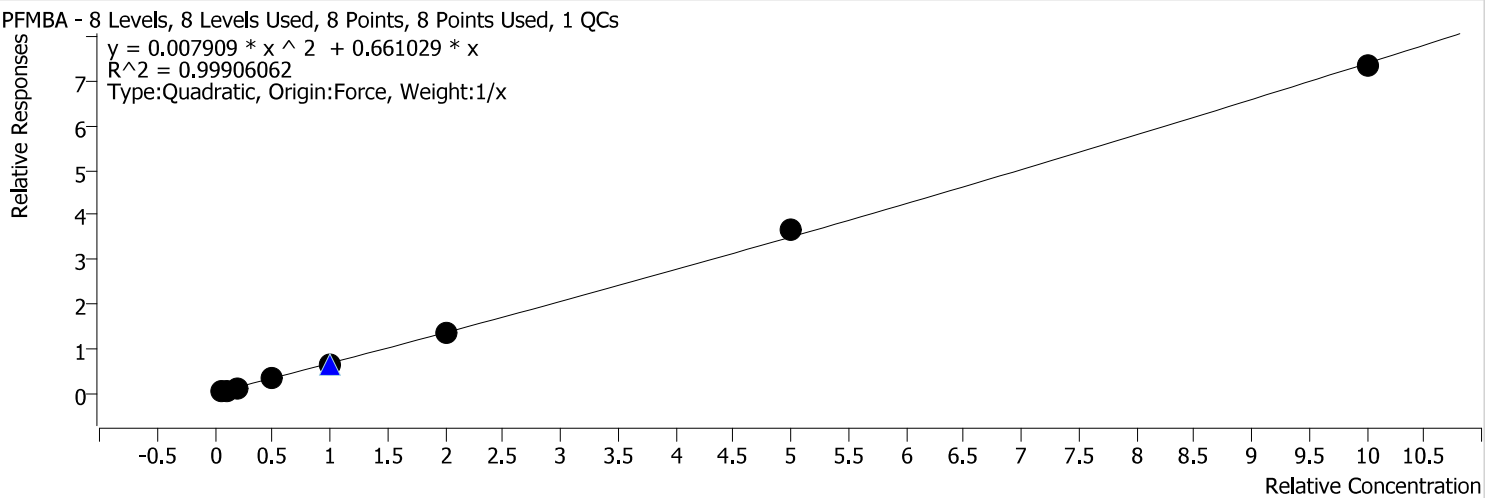
PFBS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	7411	222.0000	1.0939
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	12915	444.0000	0.9980
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	26605	887.0000	1.0130
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	71138	2220.0000	1.0545
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	144829	4440.0000	1.0505
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	138804	4440.0000	1.0334
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	299254	8870.0000	1.1332
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	769184	22200.0000	1.1728
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	1558524	44400.0000	1.1886

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

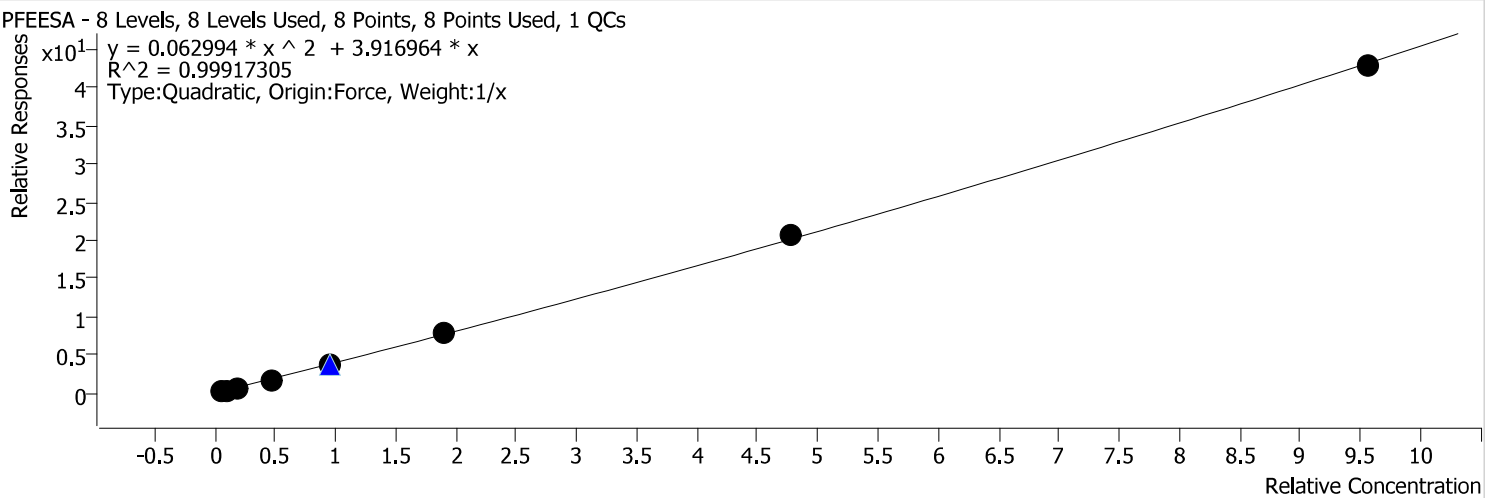
PFMBA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	17967	250.0000	0.6053
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	33007	500.0000	0.5782
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	69587	1000.0000	0.5997
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	187034	2500.0000	0.6304
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	381457	5000.0000	0.6256
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	378221	5000.0000	0.6408
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	801331	10000.0000	0.6831
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	2120096	25000.0000	0.7281
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	4322515	50000.0000	0.7335

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

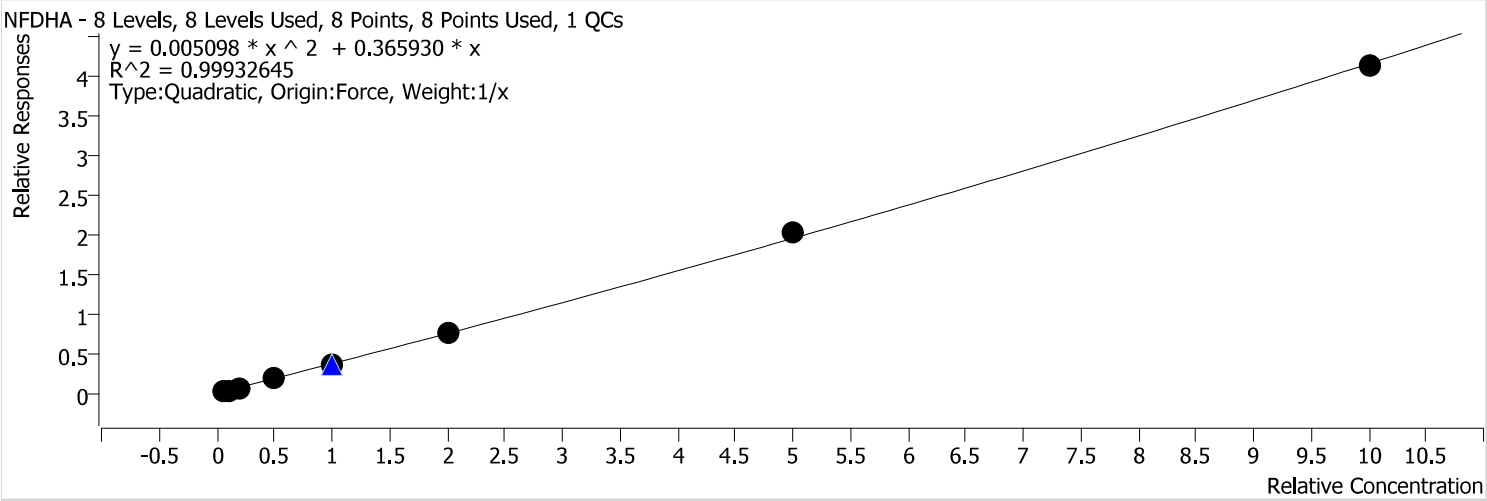
PFEESA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	25308	222.0000	3.7357
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	45201	445.0000	3.4850
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	95291	890.0000	3.6161
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	252374	2220.0000	3.7411
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	514688	4450.0000	3.7249
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	499939	4450.0000	3.7138
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	1074992	8900.0000	4.0570
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	2872573	22200.0000	4.3798
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	5887929	44500.0000	4.4804

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

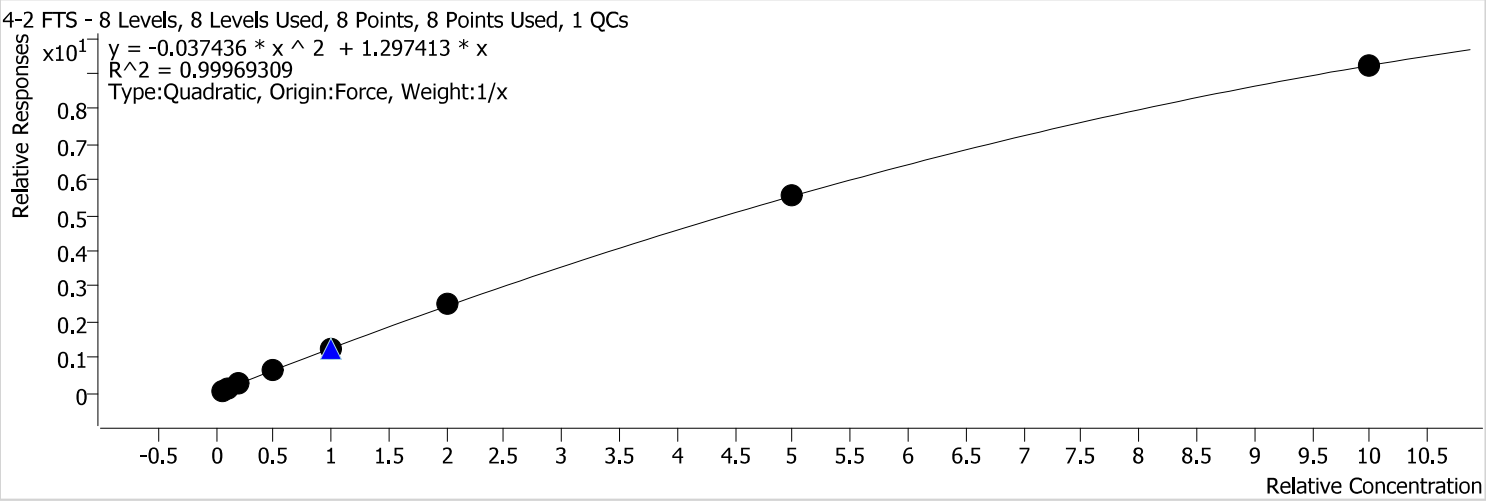
NFDHA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	13724	250.0000	0.3323
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	25462	500.0000	0.3255
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	54563	1000.0000	0.3389
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	146505	2500.0000	0.3533
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	299759	5000.0000	0.3545
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	291616	5000.0000	0.3539
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	619108	10000.0000	0.3747
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	1664516	25000.0000	0.4057
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	3396252	50000.0000	0.4136

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

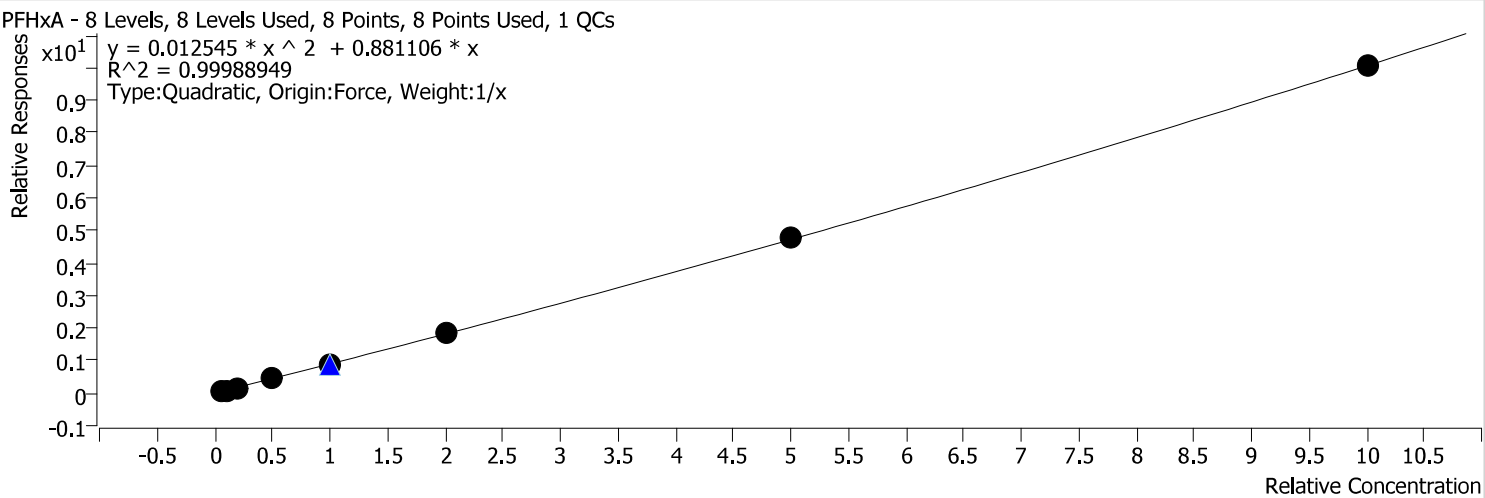
4-2 FTS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	21697	468.0000	1.1955
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	46333	937.0000	1.2089
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	123263	2340.0000	1.2590
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	247443	4680.0000	1.2357
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	239729	4680.0000	1.2674
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	485002	9370.0000	1.2568
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	1106788	23400.0000	1.1128
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	1974631	46800.0000	0.9223

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

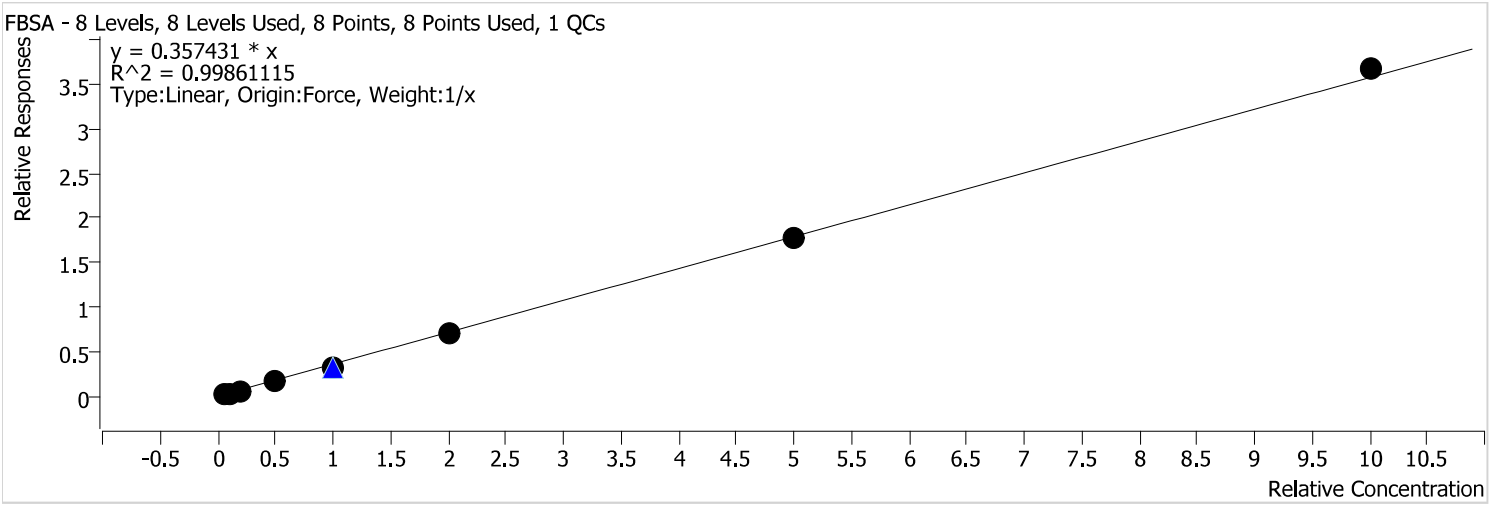
PFHxA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	35297	250.0000	0.8546
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	66050	500.0000	0.8444
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	134067	1000.0000	0.8326
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	364211	2500.0000	0.8783
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	738076	5000.0000	0.8728
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	712003	5000.0000	0.8642
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	1521285	10000.0000	0.9207
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	3897153	25000.0000	0.9499
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	8249879	50000.0000	1.0047

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

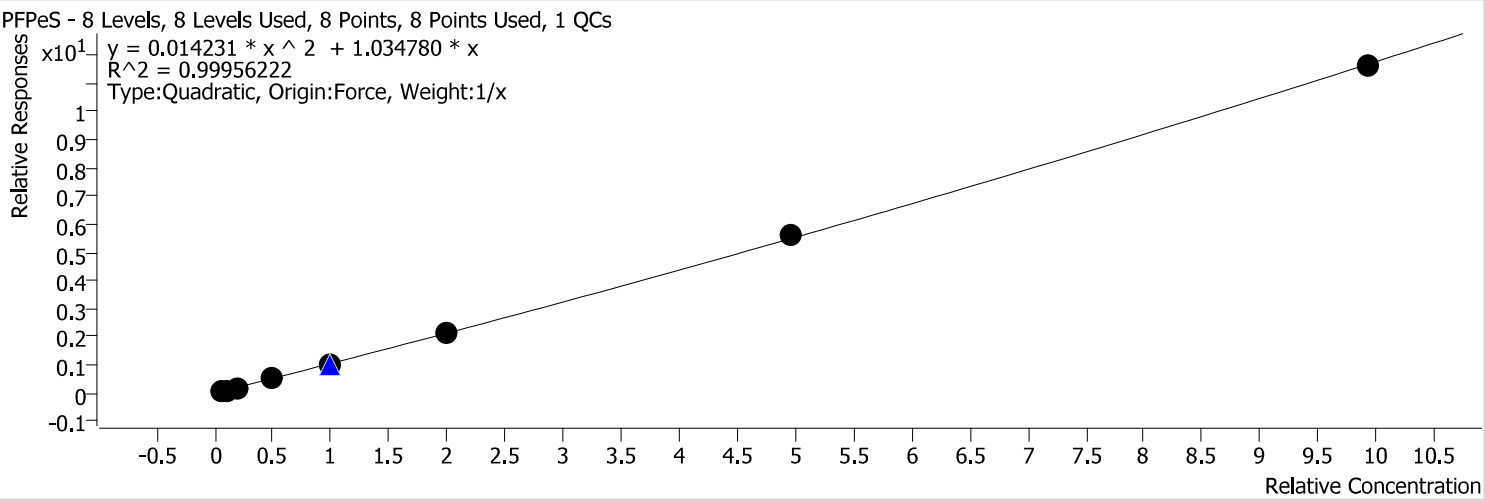
FBSA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	12541	250.0000	0.3036
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	25221	500.0000	0.3224
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	49846	1000.0000	0.3096
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	136986	2500.0000	0.3303
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	276452	5000.0000	0.3269
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	270127	5000.0000	0.3279
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	573553	10000.0000	0.3471
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	1457575	25000.0000	0.3553
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	3009907	50000.0000	0.3666

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

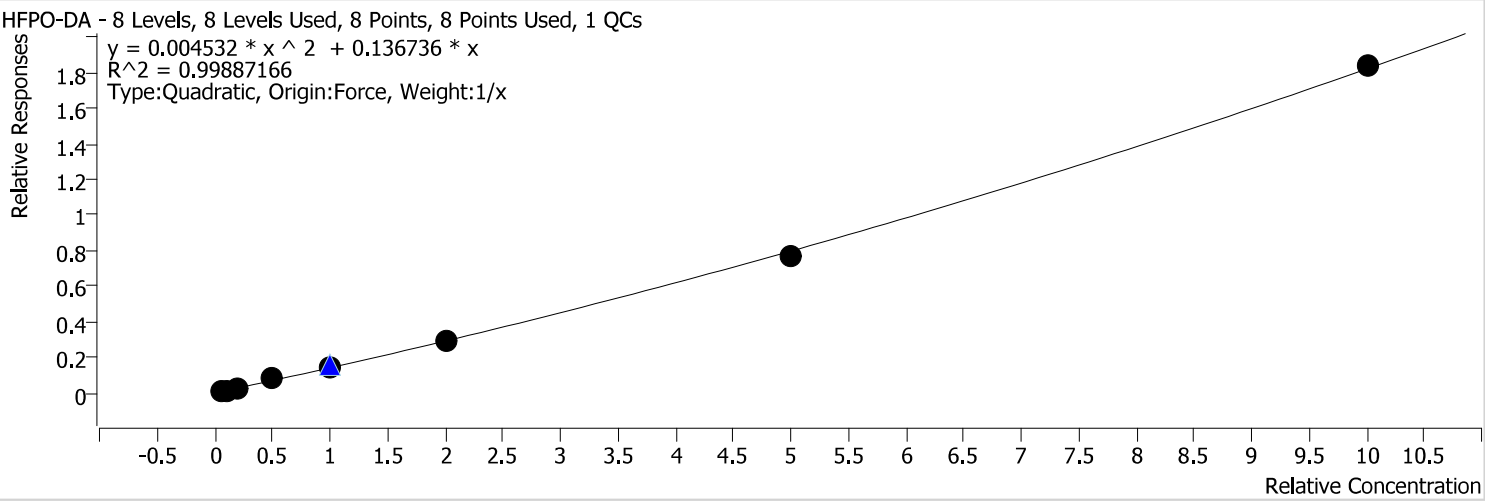
PFPeS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	5216	235.0000	0.8996
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	9883	470.0000	0.9210
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	21460	941.0000	1.0182
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	56976	2350.0000	0.9840
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	117616	4700.0000	1.0044
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	111715	4700.0000	1.0023
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	235179	9410.0000	1.0821
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	615767	23500.0000	1.1289
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	1250047	47000.0000	1.1698

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

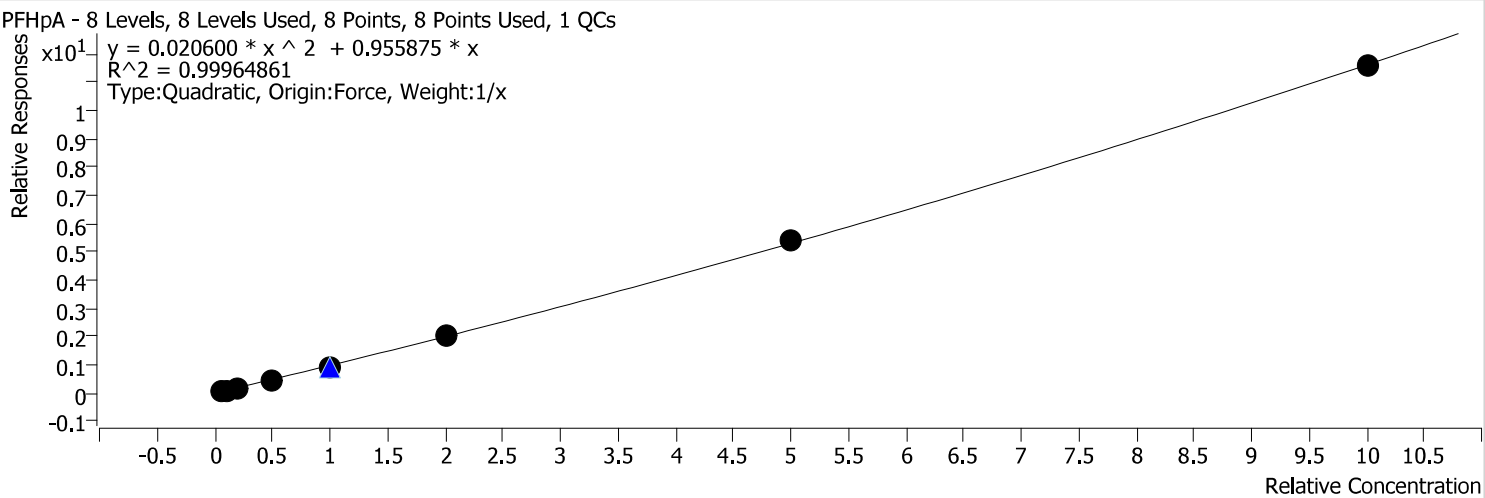
HFPO-DA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	885	250.0000	0.1021
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	2401	500.0000	0.1639
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	4839	1000.0000	0.1473
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	13321	2500.0000	0.1564
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	25460	5000.0000	0.1425
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	24767	5000.0000	0.1582
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	56076	10000.0000	0.1486
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	148625	25000.0000	0.1527
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	311871	50000.0000	0.1836

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

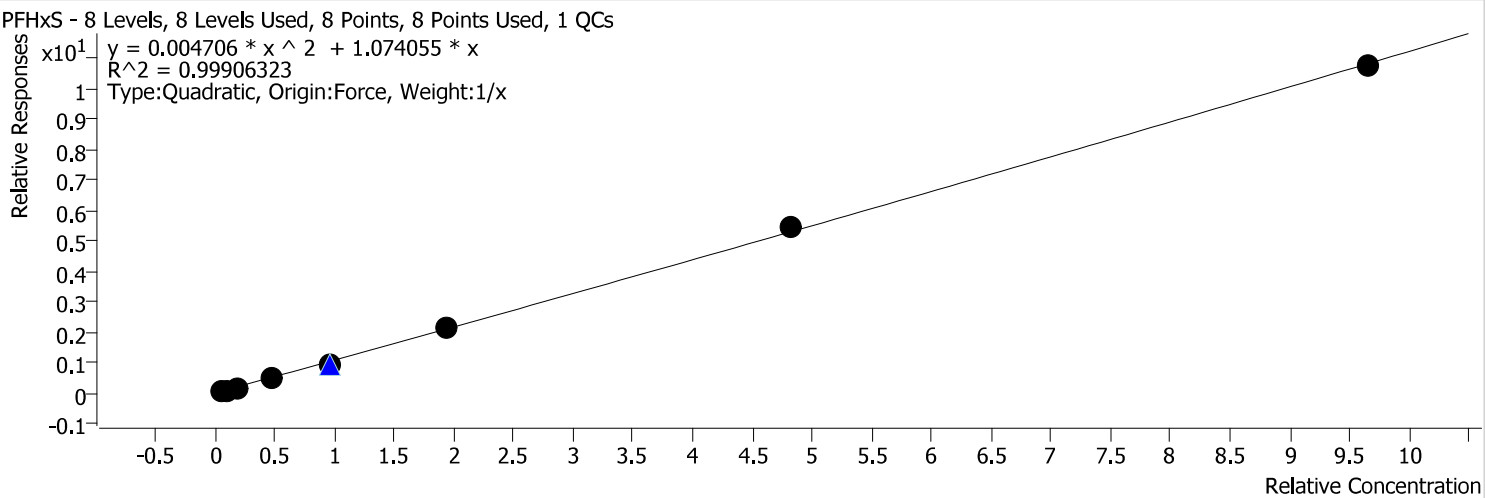
PFHpA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	39562	250.0000	0.9267
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	73229	500.0000	0.8887
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	152556	1000.0000	0.9387
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	409861	2500.0000	0.9638
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	812981	5000.0000	0.9141
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	800129	5000.0000	0.9285
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	1705114	10000.0000	1.0055
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	4463083	25000.0000	1.0814
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	9515102	50000.0000	1.1566

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

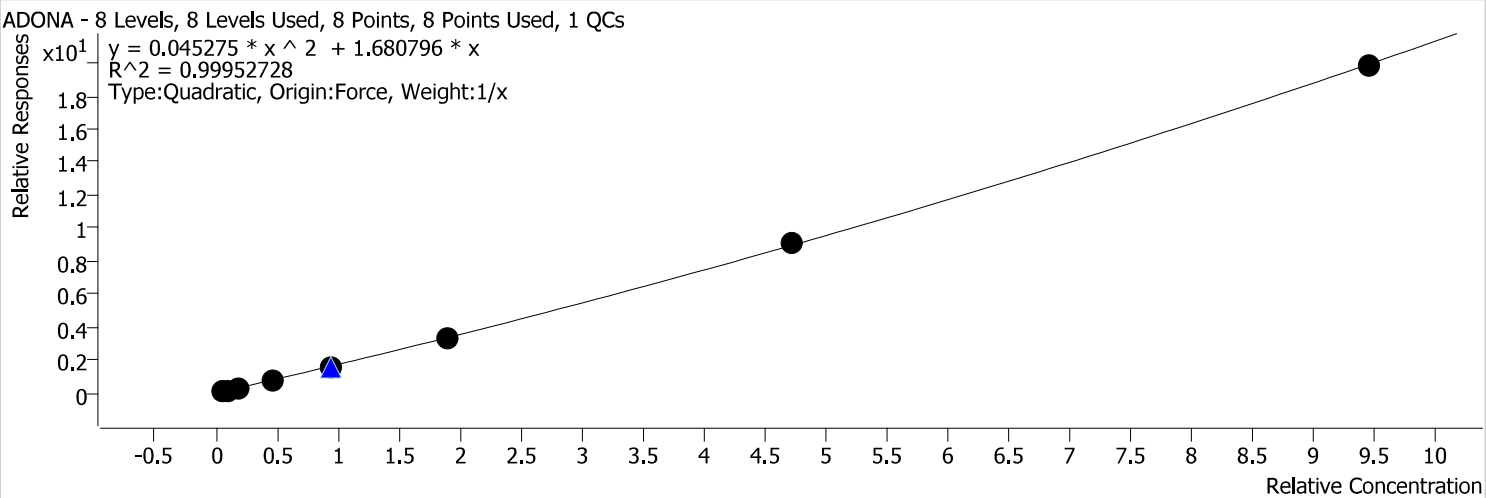
PFHxS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	6115	228.0000	1.0871
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	10362	457.0000	0.9931
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	19829	914.0000	0.9686
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	58117	2280.0000	1.0345
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	112345	4570.0000	0.9867
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	108759	4570.0000	1.0036
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	235727	9140.0000	1.1167
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	596706	22800.0000	1.1275
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	1154835	45700.0000	1.1115

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

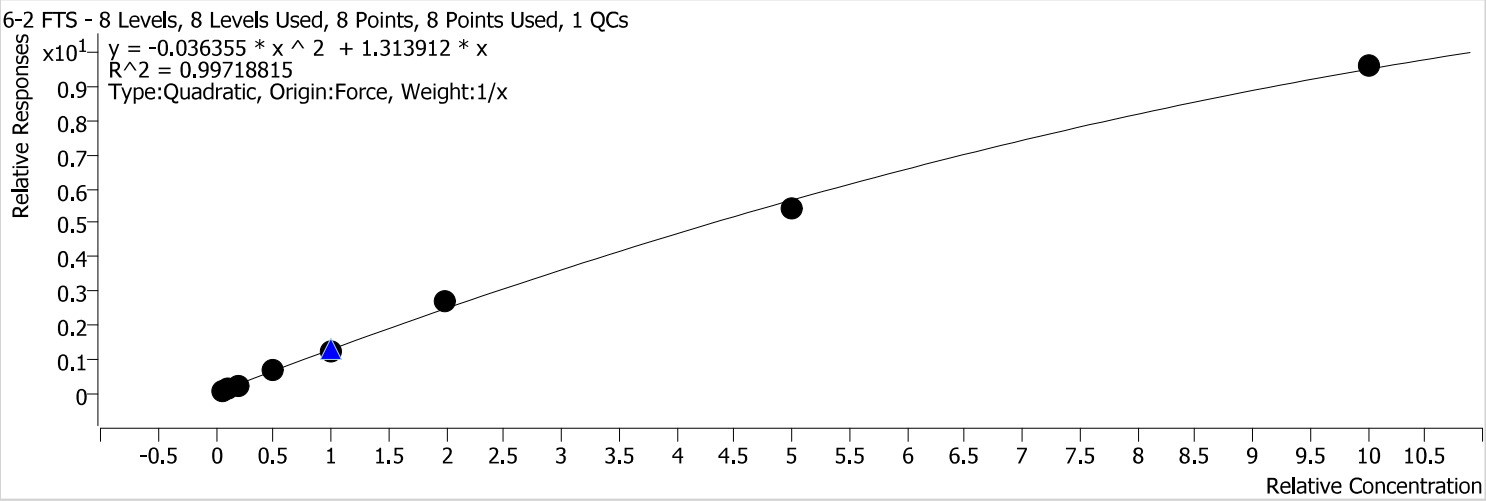
ADONA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	65892	236.0000	1.6351
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	122079	472.0000	1.5694
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	257583	945.0000	1.6773
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	676520	2360.0000	1.6852
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	1334608	4720.0000	1.5897
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	1300492	4720.0000	1.5987
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	2856342	9450.0000	1.7824
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	7566579	23600.0000	1.9421
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	16286485	47200.0000	2.0970

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

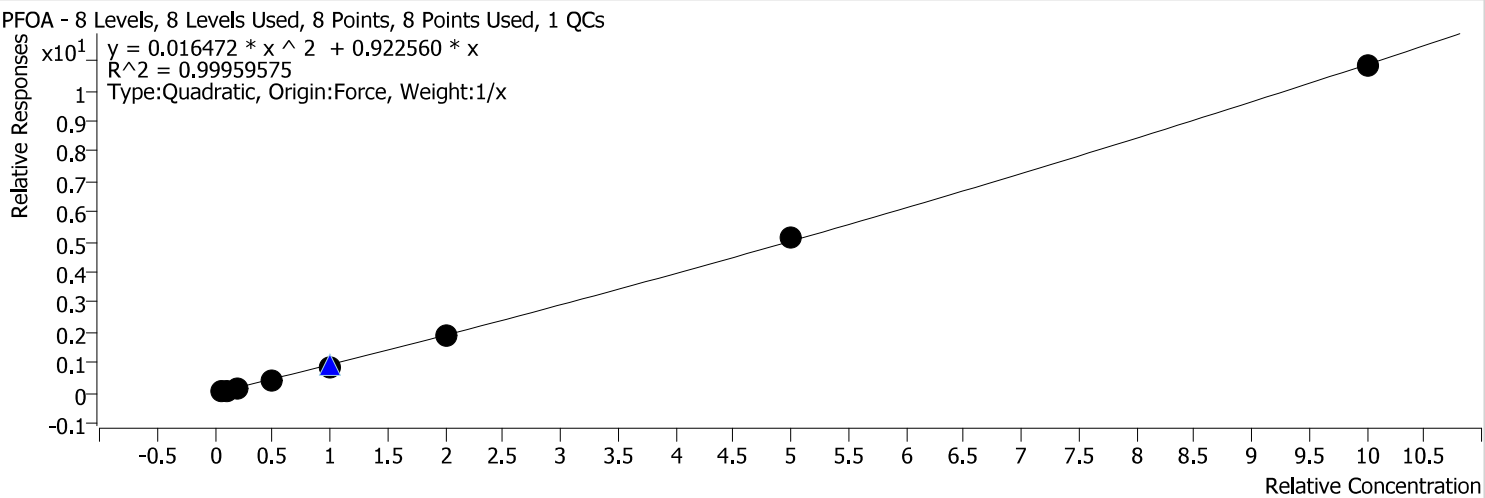
6-2 FTS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	5910	238.0000	1.0347
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	15117	476.0000	1.3629
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	25558	951.0000	1.1053
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	77001	2380.0000	1.3248
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	152867	4760.0000	1.2544
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	155201	4760.0000	1.2676
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	313457	9510.0000	1.3572
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	661719	23800.0000	1.0800
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	1087020	47600.0000	0.9590

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

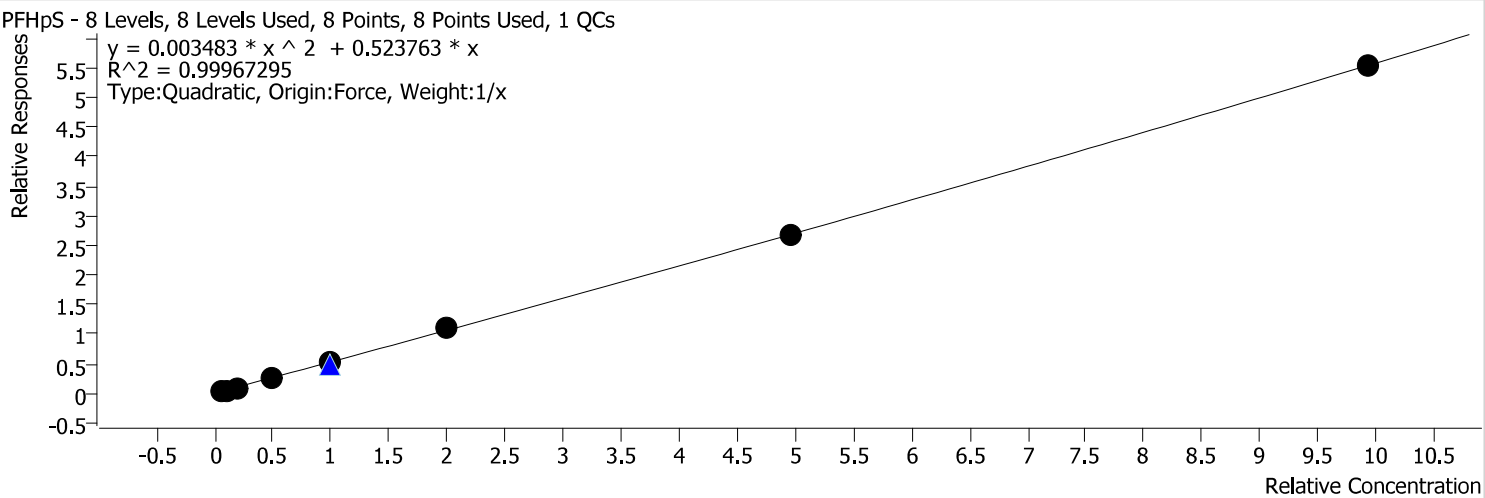
PFOA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	40034	250.0000	0.9235
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	70109	500.0000	0.8493
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	150119	1000.0000	0.8949
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	384152	2500.0000	0.8952
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	794678	5000.0000	0.8863
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	787522	5000.0000	0.9105
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	1646819	10000.0000	0.9668
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	4224991	25000.0000	1.0288
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	8550407	50000.0000	1.0815

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

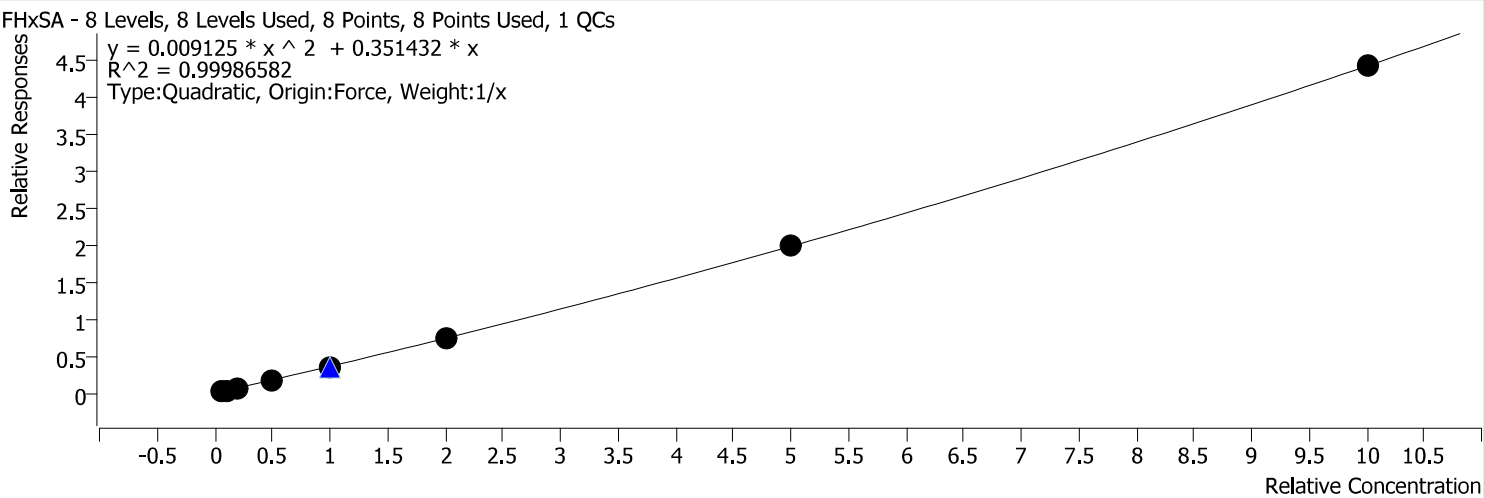
PFHpS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	3223	238.0000	0.5055
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	5719	476.0000	0.5143
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	11504	953.0000	0.4852
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	31243	2380.0000	0.4836
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	65986	4760.0000	0.5278
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	61853	4760.0000	0.4762
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	135338	9530.0000	0.5459
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	336015	23800.0000	0.5429
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	657013	47600.0000	0.5573

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

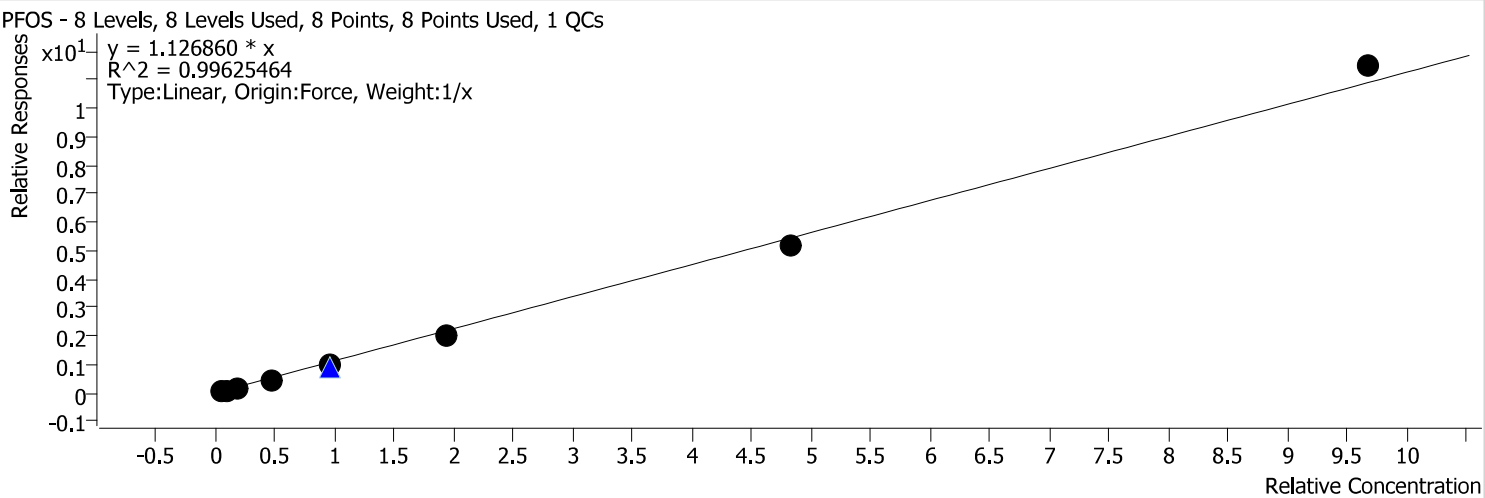
FHxSA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	16134	250.0000	0.3722
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	28086	500.0000	0.3403
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	58499	1000.0000	0.3487
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	153026	2500.0000	0.3566
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	309455	5000.0000	0.3451
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	308445	5000.0000	0.3566
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	643111	10000.0000	0.3776
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	1633964	25000.0000	0.3979
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	3496993	50000.0000	0.4423

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

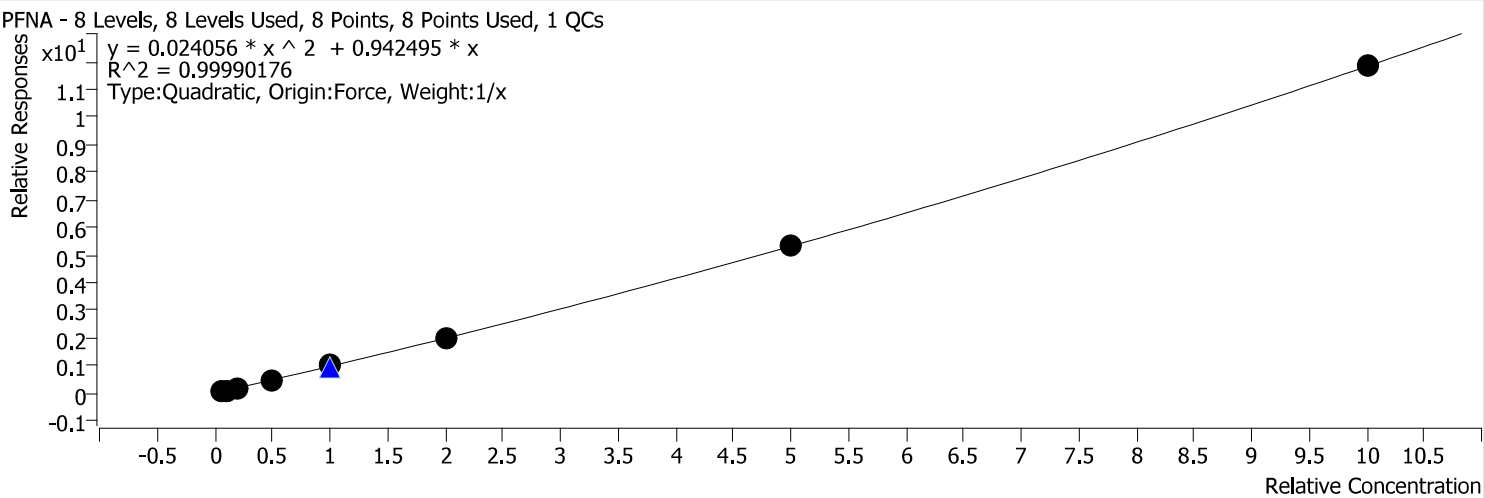
PFOS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	6246	232.0000	1.0051
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	11078	464.0000	1.0221
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	23648	928.0000	1.0242
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	61425	2320.0000	0.9753
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	126503	4640.0000	1.0380
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	120416	4640.0000	0.9510
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	256427	9280.0000	1.0622
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	646904	23200.0000	1.0722
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	1364337	46400.0000	1.1873

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

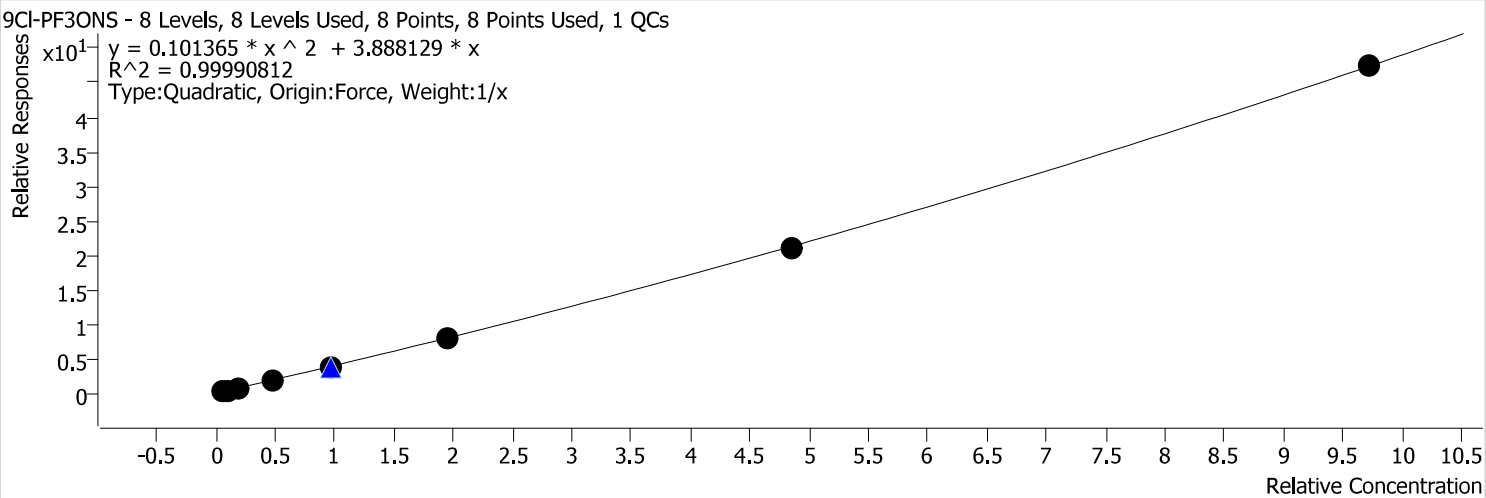
PFNA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	69476	500.0000	0.8620
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	143541	1000.0000	0.8962
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	417810	2500.0000	0.9814
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	833657	5000.0000	0.9779
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	746327	5000.0000	0.9569
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	1623621	10000.0000	0.9881
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	4317367	25000.0000	1.0607
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	8893408	50000.0000	1.1835

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

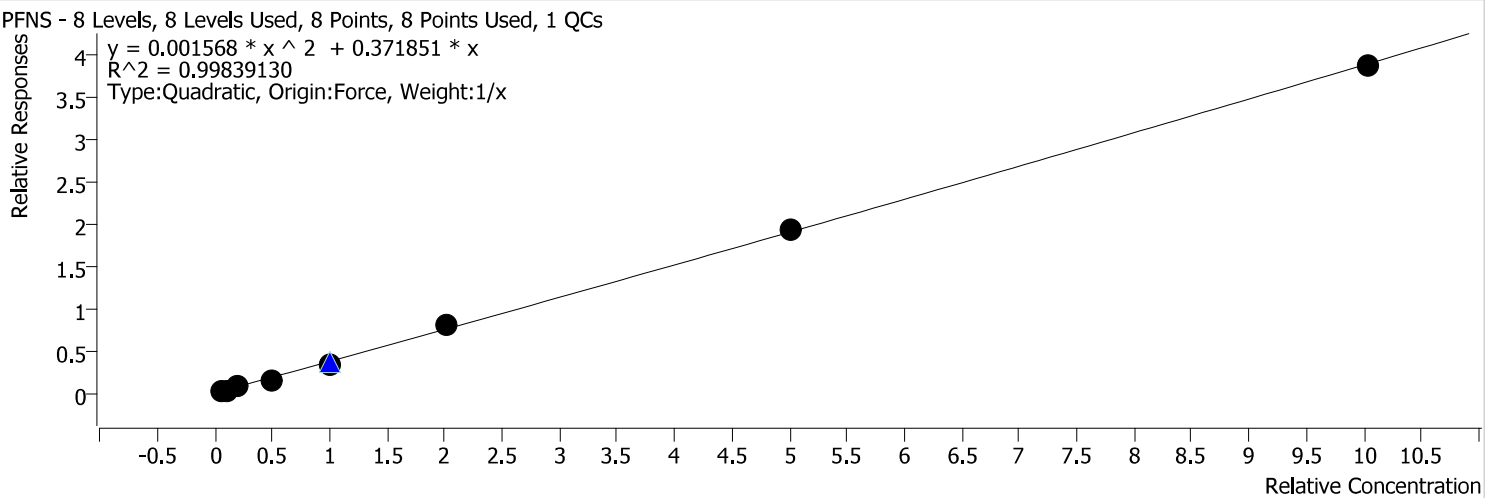
9Cl-PF3ONS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	45541	466.0000	4.1836
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	88299	933.0000	3.8037
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	242632	2330.0000	3.8360
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	491084	4660.0000	4.0123
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	467110	4660.0000	3.6733
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	1008714	9330.0000	4.1559
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	2631382	23300.0000	4.3426
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	5630399	46600.0000	4.8788

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

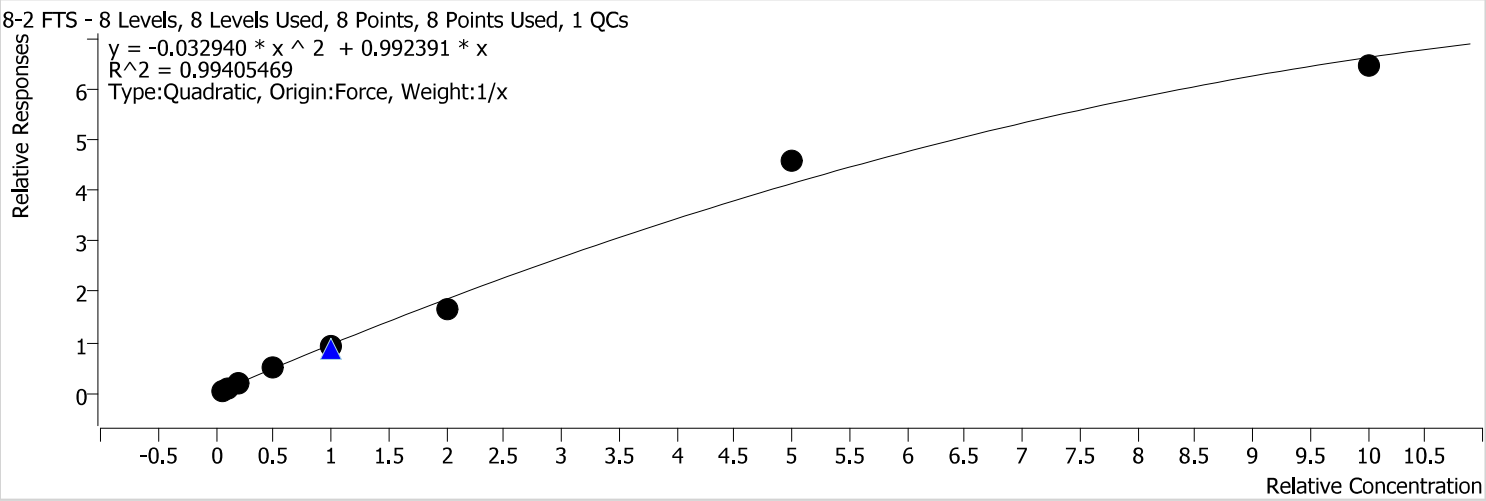
PFNS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	1683	240.0000	0.2619
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	3929	481.0000	0.3496
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	9411	962.0000	0.3932
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	20835	2400.0000	0.3198
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	43706	4810.0000	0.3460
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	45761	4810.0000	0.3486
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	98791	9620.0000	0.3948
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	242406	24000.0000	0.3884
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	458628	48100.0000	0.3850

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

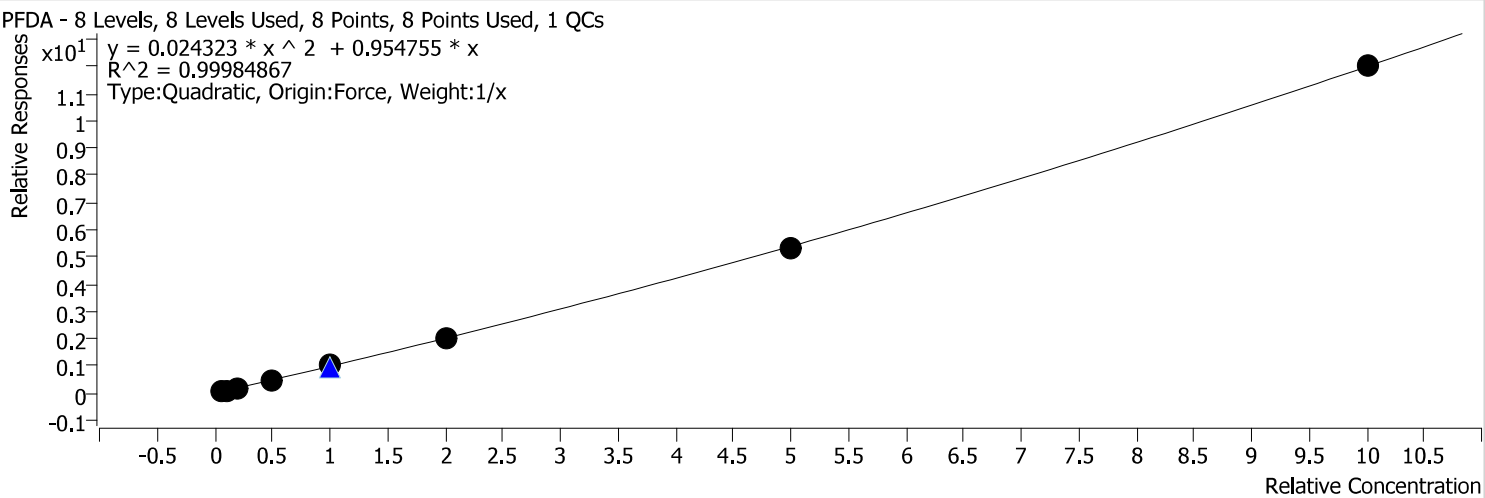
8-2 FTS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	12330	240.0000	0.9190
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	24066	480.0000	0.9278
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	48247	960.0000	0.8988
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	127025	2400.0000	0.9662
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	246211	4800.0000	0.9088
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	239043	4800.0000	0.8848
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	437528	9600.0000	0.8400
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	999401	24000.0000	0.9138
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	1534706	48000.0000	0.6455

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

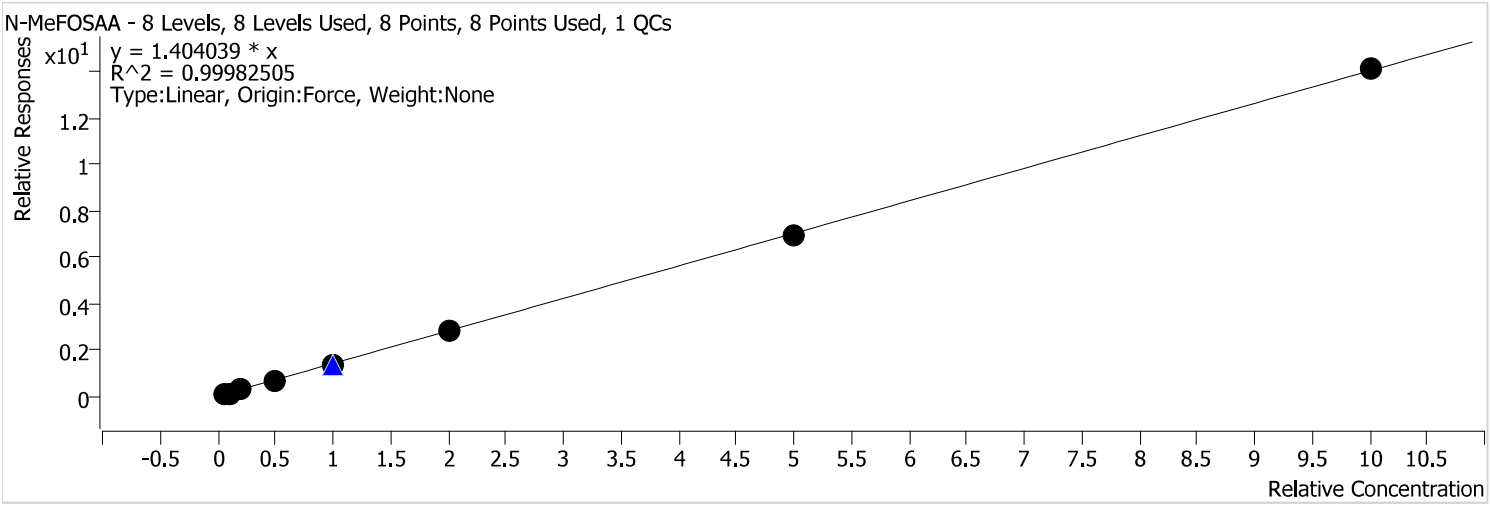
PFDA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	70947	500.0000	0.7961
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	182041	1000.0000	0.9815
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	453263	2500.0000	0.9888
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	931296	5000.0000	0.9958
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	906507	5000.0000	0.9745
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	1835354	10000.0000	1.0023
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	4645464	25000.0000	1.0713
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	9625014	50000.0000	1.1991

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

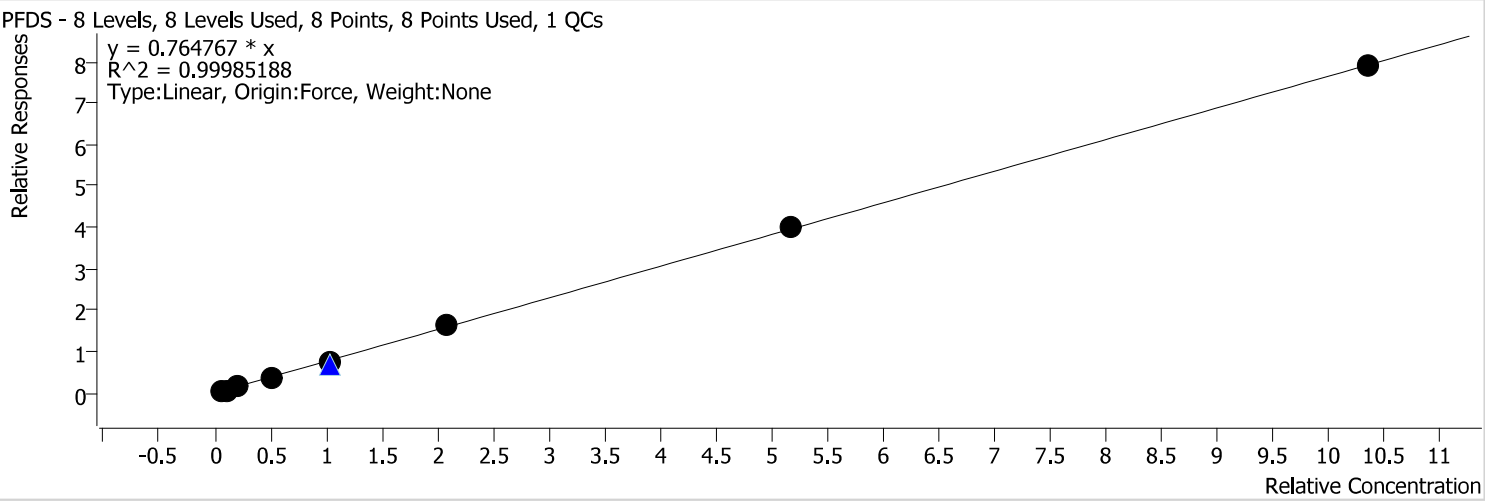
N-MeFOSAA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	24975	500.0000	1.2795
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	50023	1000.0000	1.3324
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	138440	2500.0000	1.3656
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	272036	5000.0000	1.2903
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	264057	5000.0000	1.3243
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	548896	10000.0000	1.4076
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	1416796	25000.0000	1.3824
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	2808924	50000.0000	1.4106

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

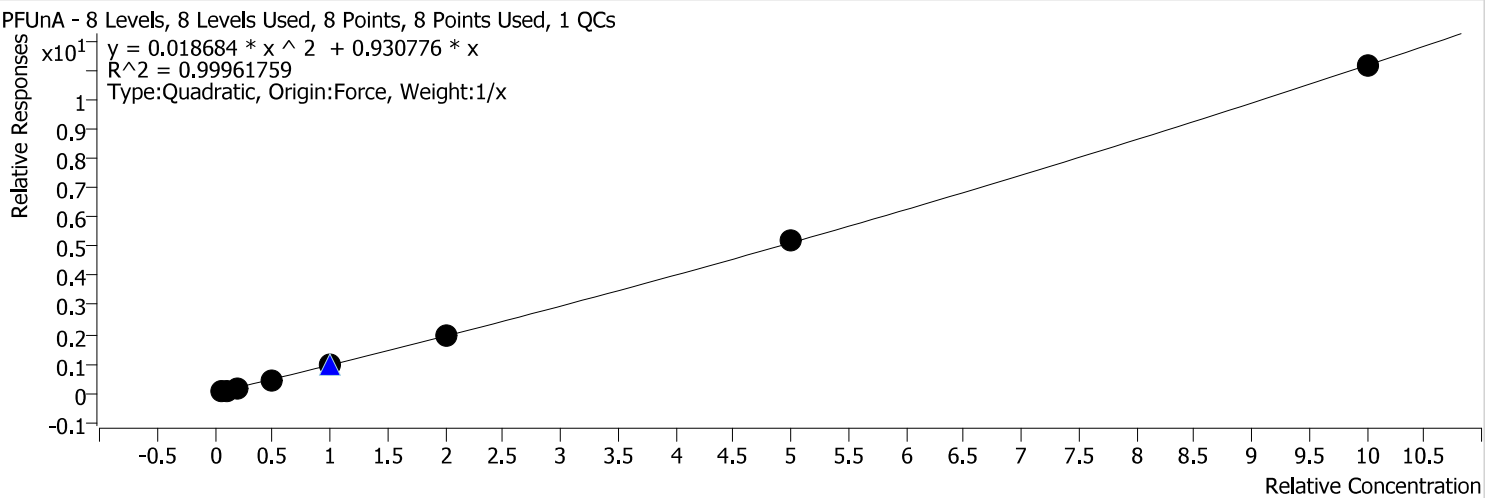
PFDS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	5824	241.0000	0.7920
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	8832	482.0000	0.6287
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	19157	965.0000	0.6705
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	53212	2410.0000	0.7266
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	106372	4820.0000	0.7107
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	95354	4820.0000	0.6540
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	223505	9650.0000	0.7779
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	551517	24100.0000	0.7746
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	1085301	48200.0000	0.7625

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

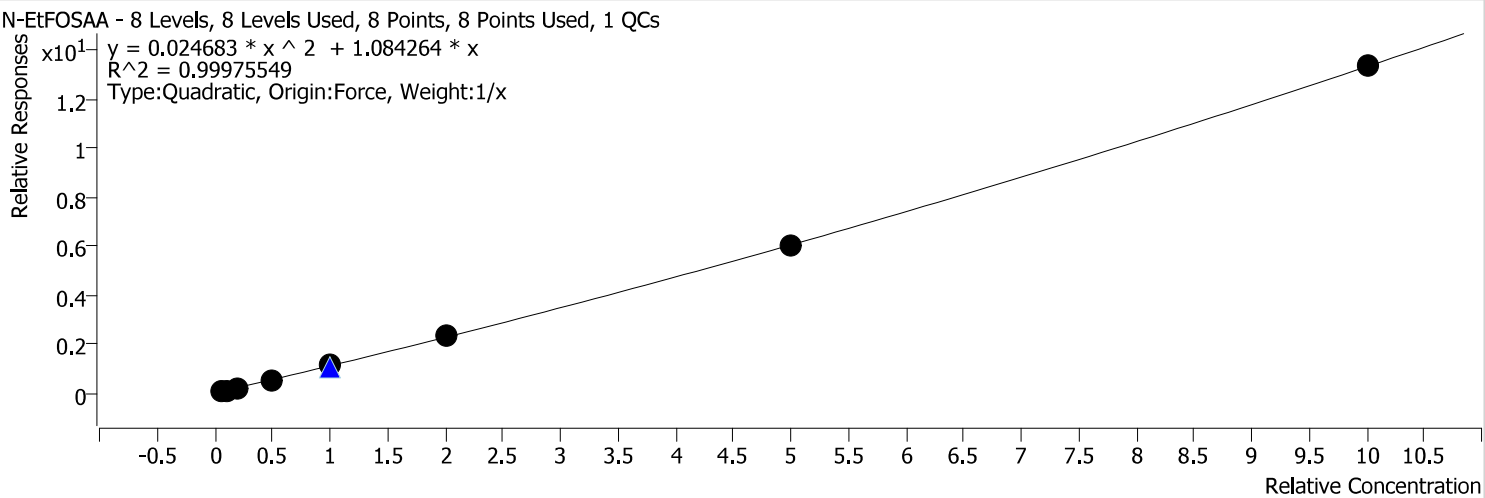
PFUnA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	95892	500.0000	0.8512
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	210696	1000.0000	0.8445
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	549239	2500.0000	0.8681
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	1144976	5000.0000	0.9369
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	1098985	5000.0000	0.9297
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	2310660	10000.0000	0.9992
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	5868295	25000.0000	1.0335
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	11555426	50000.0000	1.1144

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

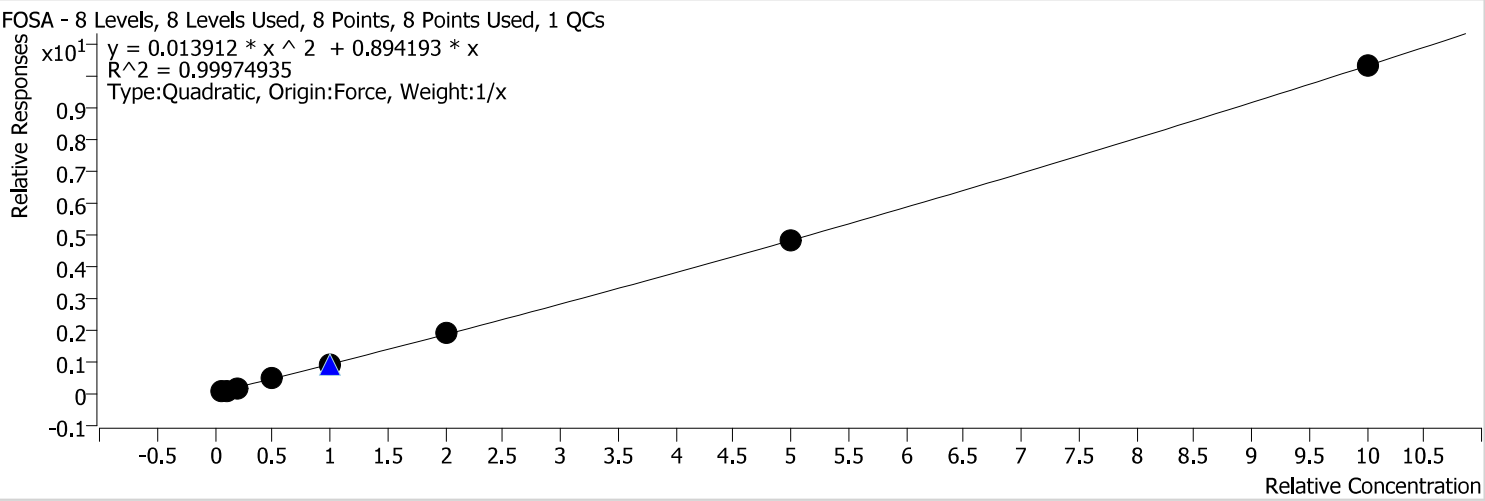
N-EtFOSAA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	20597	500.0000	1.0114
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	44145	1000.0000	1.0541
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	115555	2500.0000	1.0342
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	241354	5000.0000	1.1153
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	228898	5000.0000	1.0677
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	455354	10000.0000	1.1720
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	1148554	25000.0000	1.1966
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	2207139	50000.0000	1.3324

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

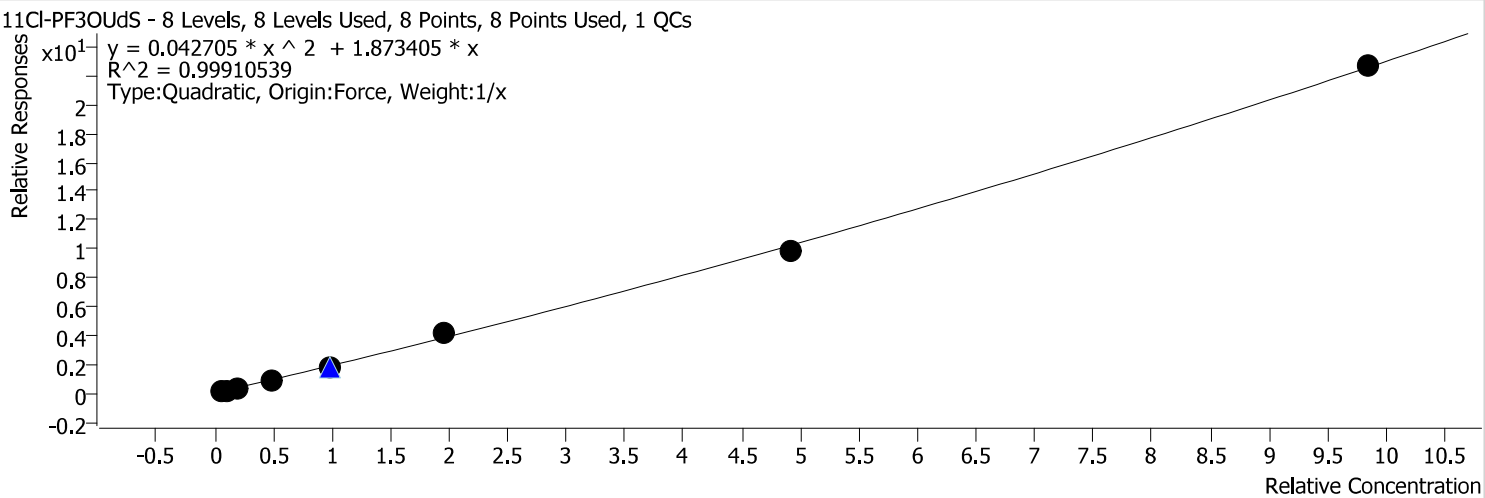
FOSA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	14794	250.0000	0.8060
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	28644	500.0000	0.8029
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	61764	1000.0000	0.8205
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	164412	2500.0000	0.8945
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	343017	5000.0000	0.8892
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	333871	5000.0000	0.8957
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	694315	10000.0000	0.9491
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	1732909	25000.0000	0.9659
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	3529994	50000.0000	1.0319

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

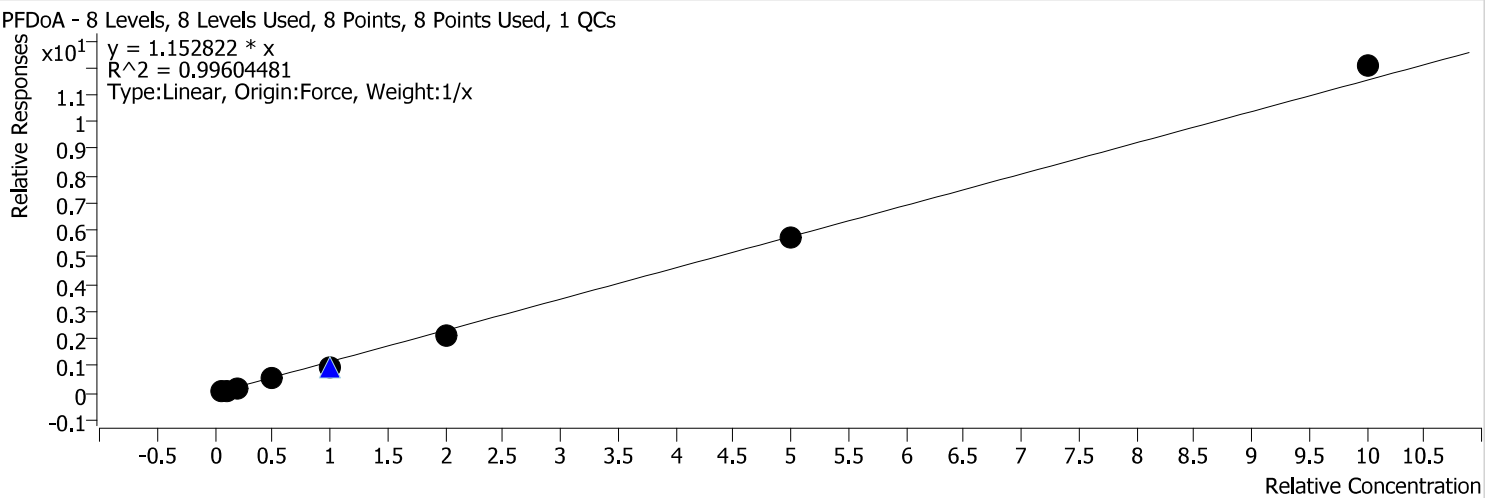
11Cl-PF3OUdS



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
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D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	19539	472.0000	1.7721
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	40657	943.0000	1.7328
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	120064	2360.0000	1.8741
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	235336	4720.0000	1.8983
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	236742	4720.0000	1.8380
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D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	1237833	23600.0000	2.0168
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	2693605	47200.0000	2.3044

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

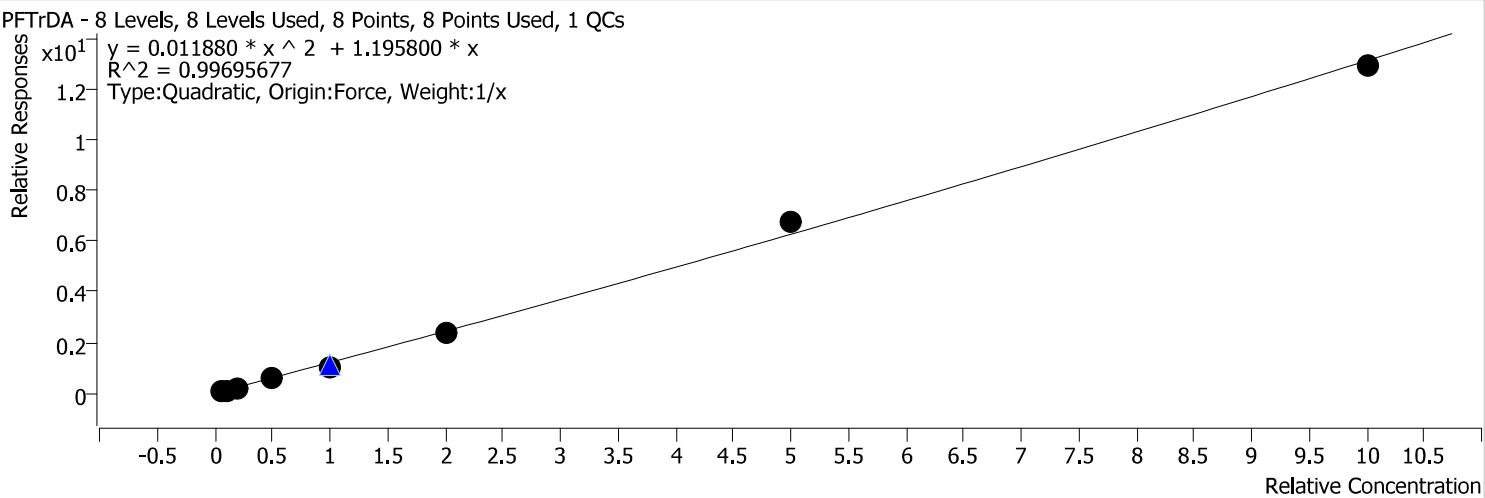
PFDoA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	64729	250.0000	1.0033
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	113598	500.0000	0.9643
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	234440	1000.0000	0.9424
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	623801	2500.0000	1.0460
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	1287483	5000.0000	0.9720
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	1207336	5000.0000	0.9743
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	2616370	10000.0000	1.0705
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	6948417	25000.0000	1.1435
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	14194940	50000.0000	1.2042

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

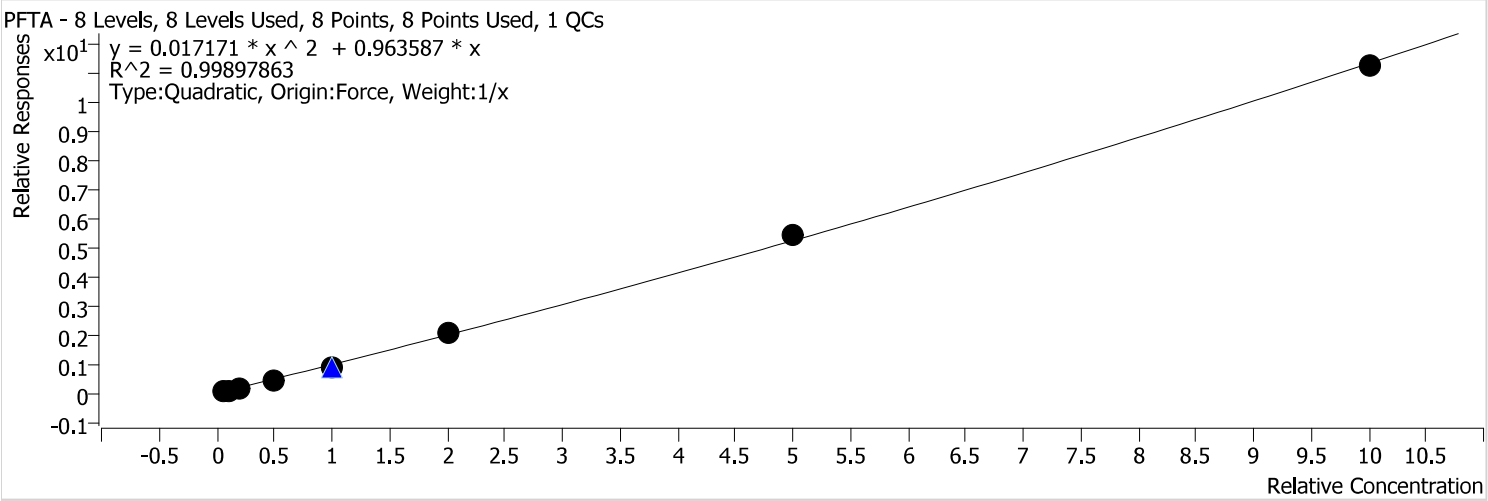
PFTrDA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	82008	250.0000	1.1520
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	143633	500.0000	1.0251
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	304072	1000.0000	1.0496
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	827992	2500.0000	1.1556
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	1651921	5000.0000	1.0625
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	1564039	5000.0000	1.1012
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	3435298	10000.0000	1.1878
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	9445093	25000.0000	1.3559
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	17821659	50000.0000	1.2923

Batch Path	D:\MassHunter\Data\DEC2021\121321\QuantResults\ID_CAL.batch.bin		
Analysis Time	12/13/2021 3:23 PM	**Analyst Name**	CONTEST\G6495C
Report Time	12/13/2021 3:24:23 PM	**Reporter Name**	CONTEST\G6495C
Last Calib Update	12/13/2021 3:23 PM	**Batch State**	Processed
Quant Batch Version	10.2	**Quant Report Version**	10.2

PFTA



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor
D:\MassHunter\Data\DEC2021\121321\CAL1_ID_121321.d	Calibration	1	x	69778	250.0000	0.9802
D:\MassHunter\Data\DEC2021\121321\CAL2_ID_121321.d	Calibration	2	x	122851	500.0000	0.8768
D:\MassHunter\Data\DEC2021\121321\CAL3_ID_121321.d	Calibration	3	x	260996	1000.0000	0.9009
D:\MassHunter\Data\DEC2021\121321\CAL4_ID_121321.d	Calibration	4	x	660271	2500.0000	0.9215
D:\MassHunter\Data\DEC2021\121321\CAL5_ID_121321.d	Calibration	5	x	1380676	5000.0000	0.8880
D:\MassHunter\Data\DEC2021\121321\ICV1_ID_121321.d	QC	5	x	1286857	5000.0000	0.9061
D:\MassHunter\Data\DEC2021\121321\CAL6_ID_121321.d	Calibration	6	x	2938528	10000.0000	1.0160
D:\MassHunter\Data\DEC2021\121321\CAL7_ID_121321.d	Calibration	7	x	7587551	25000.0000	1.0892
D:\MassHunter\Data\DEC2021\121321\CAL8_ID_121321.d	Calibration	8	x	15523895	50000.0000	1.1257

Appendix I

Survey Data

Point No.	Northing	Easting	Elevation	Description
1	1453939.52	987497.98	465.10	CB
2	1453771.29	987787.79	468.23	CB
3	1453890.50	987658.06	468.72	CBS
152	1453994.26	987513.85	466.01	CPBM
101	1453920.40	987558.11	466.13	SB12-18
102	1453912.81	987629.79	467.08	SB12-29
103	1453978.83	987591.22	466.27	SB12-19
104	1454022.56	987549.43	465.23	MW12-02 GROUND
105	1454022.36	987549.85	467.17	MW12-02 TOP INNER PVC CASING
106	1454020.24	987614.88	465.98	#20
107	1454036.67	987676.87	467.55	SB12-30
108	1454108.44	987648.67	465.07	SB12-21
109	1454111.44	987705.92	467.32	SB12-31
110	1454175.48	987675.21	464.08	SB12-22
111	1454240.75	987706.22	465.48	#40
112	1454361.31	987698.37	463.78	MW12-03 GROUND
113	1454360.69	987698.35	465.76	MW12-03 TOP OUTER CASING
114	1454189.48	987745.50	465.25	SB12-24
115	1454222.71	987848.48	467.96	SB12-23
116	1453821.58	987360.04	465.07	MW12-06 GROUND
117	1453821.35	987360.41	467.10	MW12-06 TOP OUTER CASING
118	1453818.51	987470.65	466.38	SB12-10
120	1453922.32	987671.83	468.80	#28
121	1453961.46	987688.39	468.78	#26
122	1454070.47	987732.61	468.76	#25
123	1453939.28	987680.10	468.80	#27
124	1453913.59	987742.11	468.78	#34
125	1454083.80	987813.55	468.82	#32
126	1454006.02	987780.69	468.72	#33
127	1453962.87	987841.45	468.78	#38
128	1453938.38	987831.26	468.68	#35
129	1453951.26	987805.56	468.61	#39
130	1453879.99	987807.13	468.56	#36
131	1453939.52	987497.99	465.11	CHK
132	1453710.05	987763.52	467.77	SB12-01
133	1453534.22	987279.02	464.36	MW3 GROUND
134	1453534.21	987278.60	466.41	MW3 TOP OUTER CASING
135	1453498.02	987295.30	463.14	MW2 GROUND
136	1453498.38	987295.33	465.65	MW2 TOP OUTER CASING
137	1453487.96	987345.25	462.62	SB12-07
138	1453558.10	987320.76	463.63	SB12-08
139	1453485.66	987394.57	462.48	SB12-06
140	1453497.59	987442.97	462.68	SB12-05
141	1453539.93	987428.80	462.44	SB12-09
142	1453521.24	987398.98	463.95	MW1 GROUND

143	1453522.07	987401.67	466.38	MW1 TOP OUTER CASING
144	1453588.91	987400.78	465.59	SB12-04
145	1453622.53	987597.71	466.18	SB12-03
146	1453461.52	987639.14	464.58	SB12-02
147	1453334.40	987799.78	468.32	MW12-05 GROUND
148	1453334.59	987799.63	470.60	MW12-05 TOP OUTER CASING
149	1453890.48	987658.09	468.71	CHK
150	1454197.50	987772.52	477.64	LBC ST DNC
151	1453871.81	987638.26	477.76	LBC DNC
154	1453810.61	987786.56	471.01	LBC CLRECT DNC
155	1453824.86	987780.59	468.69	#37
156	1453803.19	987795.91	468.45	#11
157	1453821.55	987822.12	468.26	SB12-12
158	1453803.22	987857.65	468.70	#41
159	1453861.00	987814.40	468.54	SB12-13
160	1453907.41	987842.72	468.23	SB12-14
161	1453924.82	987892.50	468.24	#17
162	1453983.87	987867.92	468.04	SB12-15
163	1454054.01	987892.25	468.11	SB12-16
164	1454215.17	988010.87	468.61	MW12-04 TOP OUTER CASING
165	1454215.00	988010.19	466.93	MW12-04 GROUND
166	1453728.09	987966.31	468.15	MW12-01 GROUND
167	1453727.67	987966.16	470.16	MW12-01 TOP OUTER CASING

FORMER BOMAX MANUFACTURING SITE

Monitoring Well Locations

November 2015

WELL NO.	NORTHING	EASTING	GROUND	TOP OF CASING	TOP OF PVC
MW12-07	1453917.42	987571.43	466.22	465.92	465.77
MW12-08	1454264.65	987923.25	467.12	466.81	
MW12-09	1453977.10	987415.14	464.14	463.90	
MW12-10	1454053.67	987482.60	464.50	463.90	
MW12-11	1454140.32	987523.23	463.32	463.02	462.68
MW12-12	1454097.13	987683.22	466.29	465.99	
MW12-13	1453453.40	987288.89	461.36	463.95	
MW12-14	1454201.25	987550.11	462.83	462.38	462.44
MW12-15	1453508.85	987066.43	457.94	460.85	
MW12-16	1454529.50	987288.03	457.24	456.75	
MW12-17	1454446.30	987464.13	458.29	458.03	
MW12-18	1454303.38	987473.73	459.46	459.03	458.89
MW12-19	1454336.61	987149.70	456.93	456.52	
MW12-20	1454408.07	987969.45	463.92	463.63	

NOTES:

Coordinates shown hereon are referenced to the North American Datum of 1983 (CORS 2007), New York State Plane Coordinate System, Central Zone (Grid) in U.S. Survey Feet.

Elevations shown hereon are referenced to the North American Vertical Datum of 1988 (NAVD 88).

Monitoring Well Table - Revised
January 17, 2019

Well Number	Northing	Easting	Ground Elevation	Well Elevation
MW12-02	1454022.47	987549.68	465.47'	465.42'
MW12-21	1453844.01	987831.17	468.73'	468.51'
MW12-22	1454207.68	988007.64	466.99'	468.89'
MW12-23	1453924.35	987575.09	466.48'	467.85'
MW12-24	1454045.61	987665.66	467.51'	468.91'
MW12-25	1454149.36	987527.31	463.38'	463.08'
MW12-26	1453496.64	987304	462.60'	463.79'
MW12-27	1454325.59	988165.17	460.52'	463.30'
MW12-28	1454186.22	987430.65	460.40'	459.70'

Appendix J

Waste Characterization Analytical Reports and Waste Disposal Documentation

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bomax Watertown NY
Sample Description:
Work Order: 12L0271

Date Received: 12/10/2012

Field Sample #: IDW-12072012
Sampled: 12/7/2012 13:30

Sample ID: 12L0271-03

Sample Matrix: Soil

Sample Flags: PR-03

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg dry	1	V-16	SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Acrylonitrile	ND	0.0061	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Bromochloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
2-Butanone (MEK)	ND	0.041	mg/Kg dry	1	V-16	SW-846 8260C	12/11/12	12/11/12 13:03	MFF
tert-Butyl Alcohol (TBA)	ND	0.041	mg/Kg dry	1	V-16	SW-846 8260C	12/11/12	12/11/12 13:03	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Carbon Disulfide	ND	0.0061	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1	V-16	SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1	V-05	SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Diethyl Ether	ND	0.020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bomax Watertown NY
Sample Description:
Work Order: 12L0271

Date Received: 12/10/2012

Field Sample #: IDW-12072012
Sampled: 12/7/2012 13:30

Sample ID: 12L0271-03

Sample Matrix: Soil

Sample Flags: PR-03

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,4-Dioxane	ND	0.10	mg/Kg dry	1	V-16	SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1	V-05	SW-846 8260C	12/11/12	12/11/12 13:03	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,3,5-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	12/11/12	12/11/12 13:03	MFF

Surrogates	% Recovery	Recovery Limits	Flag			
1,2-Dichloroethane-d4	109	70-130				12/11/12 13:03
Toluene-d8	97.9	70-130				12/11/12 13:03
4-Bromofluorobenzene	87.9	70-130				12/11/12 13:03

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bomax Watertown NY
Sample Description:
Work Order: 12L0271
Date Received: 12/10/2012
Field Sample #: IDW-12072012
Sampled: 12/7/2012 13:30
Sample ID: 12L0271-03
Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Acenaphthylene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Acetophenone	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Aniline	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Anthracene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Benzidine	ND	0.85	mg/Kg dry	1	L-04	SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Benzo(a)anthracene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Benzo(a)pyrene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Benzo(b)fluoranthene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Benzo(g,h,i)perylene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Benzo(k)fluoranthene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Benzoic Acid	ND	2.5	mg/Kg dry	1	L-04	SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Bis(2-chloroethoxy)methane	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Bis(2-chloroethyl)ether	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Bis(2-chloroisopropyl)ether	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
4-Bromophenylphenylether	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Butylbenzylphthalate	ND	1.7	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Carbazole	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
4-Chloroaniline	ND	1.7	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
4-Chloro-3-methylphenol	ND	1.7	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
2-Chloronaphthalene	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
2-Chlorophenol	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
4-Chlorophenylphenylether	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Chrysene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Dibenz(a,h)anthracene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Dibenzofuran	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Di-n-butylphthalate	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
1,2-Dichlorobenzene	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
1,3-Dichlorobenzene	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
1,4-Dichlorobenzene	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
3,3-Dichlorobenzidine	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
2,4-Dichlorophenol	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Diethylphthalate	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
2,4-Dimethylphenol	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Dimethylphthalate	ND	1.7	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
4,6-Dinitro-2-methylphenol	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
2,4-Dinitrophenol	ND	1.7	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
2,4-Dinitrotoluene	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
2,6-Dinitrotoluene	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Di-n-octylphthalate	ND	1.7	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Fluoranthene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Fluorene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bomax Watertown NY
Sample Description:
Work Order: 12L0271

Date Received: 12/10/2012

Field Sample #: IDW-12072012
Sampled: 12/7/2012 13:30

Sample ID: 12L0271-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Hexachlorobutadiene	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Hexachlorocyclopentadiene	ND	1.7	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Hexachloroethane	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Indeno(1,2,3-cd)pyrene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Isophorone	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
1-Methylnaphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
2-Methylnaphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
2-Methylphenol	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
3/4-Methylphenol	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Naphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
2-Nitroaniline	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
3-Nitroaniline	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
4-Nitroaniline	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Nitrobenzene	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
2-Nitrophenol	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
4-Nitrophenol	ND	1.7	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
N-Nitrosodimethylamine	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
N-Nitrosodiphenylamine	ND	0.85	mg/Kg dry	1	L-04	SW-846 8270D	12/11/12	12/14/12 18:36	CMR
N-Nitrosodi-n-propylamine	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Pentachloronitrobenzene	ND	0.85	mg/Kg dry	1	V-16	SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Pentachlorophenol	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Phenanthrene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Phenol	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Pyrene	ND	0.43	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Pyridine	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
1,2,4-Trichlorobenzene	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
2,4,5-Trichlorophenol	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR
2,4,6-Trichlorophenol	ND	0.85	mg/Kg dry	1		SW-846 8270D	12/11/12	12/14/12 18:36	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	89.0	30-130		12/14/12 18:36
Phenol-d6	89.9	30-130		12/14/12 18:36
Nitrobenzene-d5	90.2	30-130		12/14/12 18:36
2-Fluorobiphenyl	94.3	30-130		12/14/12 18:36
2,4,6-Tribromophenol	101	30-130		12/14/12 18:36
Terphenyl-d14	85.2	30-130		12/14/12 18:36

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bomax Watertown NY | Sample Description: | Work Order: 12L0271

Date Received: 12/10/2012

Field Sample #: IDW-12072012 | Sampled: 12/7/2012 13:30

Sample ID: 12L0271-03

Sample Matrix: Soil

Tentatively Identified Compounds - Semivolatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexadecane	0.66	mg/Kg dry	249353	18.082	1	000544-76-3	SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Oxirane, hexadecyl-	0.98	mg/Kg dry	367329	16.718	1	007390-81-0	SW-846 8270D	12/11/12	12/14/12 18:36	CMR
Tentatively Identified Compounds	0.0	mg/Kg dry			1	NA	SW-846 8270D	12/11/12	12/14/12 18:36	CMR

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bomax Watertown NY | Sample Description: | Work Order: 12L0271

Date Received: 12/10/2012

Field Sample #: IDW-12072012 | Sampled: 12/7/2012 13:30

Sample ID: 12L0271-03

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.026	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
Aldrin [2]	ND	0.0026	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
alpha-BHC [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
beta-BHC [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
delta-BHC [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
gamma-BHC (Lindane) [2]	ND	0.0026	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
Chlordane [2]	ND	0.026	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
4,4'-DDD [2]	ND	0.0013	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
4,4'-DDE [2]	ND	0.0013	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
4,4'-DDT [2]	ND	0.0013	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
Dieldrin [2]	ND	0.0026	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
Endosulfan I [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
Endosulfan II [2]	ND	0.011	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
Endosulfan sulfate [2]	ND	0.011	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
Endrin [2]	ND	0.011	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
Endrin aldehyde [2]	ND	0.011	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
Endrin ketone [2]	ND	0.011	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
Heptachlor [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
Heptachlor epoxide [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
Hexachlorobenzene [2]	ND	0.0079	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
Methoxychlor [2]	ND	0.066	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG
Toxaphene [2]	ND	0.13	mg/Kg dry	1		SW-846 8081B	12/12/12	12/14/12 4:06	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	48.0	30-150		12/14/12 4:06
Decachlorobiphenyl [2]	61.8	30-150		12/14/12 4:06
Tetrachloro-m-xylene [1]	67.5	30-150		12/14/12 4:06
Tetrachloro-m-xylene [2]	64.5	30-150		12/14/12 4:06

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bomax Watertown NY
Sample Description:
Work Order: 12L0271

Date Received: 12/10/2012

Field Sample #: IDW-12072012
Sampled: 12/7/2012 13:30

Sample ID: 12L0271-03

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/12/12	12/12/12 18:33	JMB
Aroclor-1221 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/12/12	12/12/12 18:33	JMB
Aroclor-1232 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/12/12	12/12/12 18:33	JMB
Aroclor-1242 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/12/12	12/12/12 18:33	JMB
Aroclor-1248 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/12/12	12/12/12 18:33	JMB
Aroclor-1254 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/12/12	12/12/12 18:33	JMB
Aroclor-1260 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/12/12	12/12/12 18:33	JMB
Aroclor-1262 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/12/12	12/12/12 18:33	JMB
Aroclor-1268 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/12/12	12/12/12 18:33	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	106	30-150		12/12/12 18:33
Decachlorobiphenyl [2]	95.5	30-150		12/12/12 18:33
Tetrachloro-m-xylene [1]	90.1	30-150		12/12/12 18:33
Tetrachloro-m-xylene [2]	95.3	30-150		12/12/12 18:33

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bomax Watertown NY
Sample Description:
Work Order: 12L0271

Date Received: 12/10/2012

Field Sample #: IDW-12072012
Sampled: 12/7/2012 13:30

Sample ID: 12L0271-03

Sample Matrix: Soil

Herbicides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D [1]	ND	32	µg/Kg dry	1		SW-846 8151A	12/11/12	12/13/12 19:20	PJG
2,4-DB [1]	ND	32	µg/Kg dry	1		SW-846 8151A	12/11/12	12/13/12 19:20	PJG
2,4,5-TP (Silvex) [1]	ND	3.2	µg/Kg dry	1		SW-846 8151A	12/11/12	12/13/12 19:20	PJG
2,4,5-T [2]	ND	3.2	µg/Kg dry	1		SW-846 8151A	12/11/12	12/13/12 19:20	PJG
Dalalpon [1]	ND	80	µg/Kg dry	1		SW-846 8151A	12/11/12	12/13/12 19:20	PJG
Dicamba [1]	ND	3.2	µg/Kg dry	1		SW-846 8151A	12/11/12	12/13/12 19:20	PJG
Dichloroprop [1]	ND	32	µg/Kg dry	1		SW-846 8151A	12/11/12	12/13/12 19:20	PJG
Dinoseb [1]	ND	16	µg/Kg dry	1		SW-846 8151A	12/11/12	12/13/12 19:20	PJG
MCPA [1]	ND	3200	µg/Kg dry	1		SW-846 8151A	12/11/12	12/13/12 19:20	PJG
MCPP [1]	ND	3200	µg/Kg dry	1		SW-846 8151A	12/11/12	12/13/12 19:20	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
2,4-Dichlorophenylacetic acid [1]	55.3	30-150		12/13/12 19:20
2,4-Dichlorophenylacetic acid [2]	52.6	30-150		12/13/12 19:20

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bomax Watertown NY
Sample Description:
Work Order: 12L0271

Date Received: 12/10/2012

Field Sample #: IDW-12072012
Sampled: 12/7/2012 13:30

Sample ID: 12L0271-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	8200	3.3	mg/Kg dry	1		SW-846 6010C	12/11/12	12/12/12 12:20	OP
Antimony	ND	3.3	mg/Kg dry	1		SW-846 6010C	12/11/12	12/11/12 21:08	OP
Arsenic	14	3.3	mg/Kg dry	1		SW-846 6010C	12/11/12	12/11/12 21:08	OP
Barium	43	3.3	mg/Kg dry	1		SW-846 6010C	12/11/12	12/11/12 21:08	OP
Beryllium	ND	0.33	mg/Kg dry	1		SW-846 6010C	12/11/12	12/11/12 21:08	OP
Cadmium	ND	0.33	mg/Kg dry	1		SW-846 6010C	12/11/12	12/11/12 21:08	OP
Calcium	220000	99	mg/Kg dry	10		SW-846 6010C	12/11/12	12/12/12 19:16	OP
Chromium	12	0.66	mg/Kg dry	1		SW-846 6010C	12/11/12	12/11/12 21:08	OP
Cobalt	ND	3.3	mg/Kg dry	1		SW-846 6010C	12/11/12	12/11/12 21:08	OP
Copper	33	0.66	mg/Kg dry	1		SW-846 6010C	12/11/12	12/12/12 12:20	OP
Iron	10000	3.3	mg/Kg dry	1		SW-846 6010C	12/11/12	12/11/12 21:08	OP
Lead	5.3	0.99	mg/Kg dry	1		SW-846 6010C	12/11/12	12/12/12 12:20	OP
Magnesium	8800	9.9	mg/Kg dry	1		SW-846 6010C	12/11/12	12/11/12 21:08	OP
Manganese	240	0.66	mg/Kg dry	1		SW-846 6010C	12/11/12	12/11/12 21:08	OP
Mercury	ND	0.033	mg/Kg dry	1		SW-846 7471B	12/11/12	12/11/12 12:21	SAJ
Nickel	7.3	0.66	mg/Kg dry	1		SW-846 6010C	12/11/12	12/12/12 12:20	OP
Potassium	2100	130	mg/Kg dry	1		SW-846 6010C	12/11/12	12/11/12 21:08	OP
Selenium	ND	3.3	mg/Kg dry	1		SW-846 6010C	12/11/12	12/11/12 21:08	OP
Silver	ND	0.66	mg/Kg dry	1		SW-846 6010C	12/11/12	12/12/12 12:20	OP
Sodium	480	130	mg/Kg dry	1		SW-846 6010C	12/11/12	12/11/12 21:08	OP
Thallium	ND	3.3	mg/Kg dry	1		SW-846 6010C	12/11/12	12/12/12 12:20	OP
Vanadium	13	1.3	mg/Kg dry	1		SW-846 6010C	12/11/12	12/11/12 21:08	OP
Zinc	46	1.3	mg/Kg dry	1		SW-846 6010C	12/11/12	12/11/12 21:08	OP

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Project Location: Bomax Watertown NY
Sample Description:
Work Order: 12L0271

Date Received: 12/10/2012

Field Sample #: IDW-12072012
Sampled: 12/7/2012 13:30

Sample ID: 12L0271-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.58	mg/Kg dry	1		SW-846 9014	12/14/12	12/14/12 15:00	VAK
Ignitability	Absent		present/absent	1		SW-846 1030	12/11/12	12/11/12 9:00	LL
pH @22.8°C	10		pH Units	1	H-03	SW-846 9045C	12/11/12	12/11/12 8:00	LL
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	12/13/12	12/14/12 11:30	LL
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	12/13/12	12/14/12 10:45	LL
% Solids	75.9		% Wt	1		SM 2540G	12/11/12	12/12/12 14:29	CWB

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Project Location: Bomax, Watertown NY | Sample Description: | Work Order: 13K0275

Date Received: 11/7/2013

Field Sample #: IDW-Soil-110513 | Sampled: 11/5/2013 14:50

Sample ID: 13K0275-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Acenaphthylene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Acetophenone	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Aniline	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Anthracene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Benzidine	ND	0.90	mg/Kg dry	1	L-04, V-04	SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Benzo(a)anthracene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Benzo(a)pyrene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Benzo(b)fluoranthene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Benzo(g,h,i)perylene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Benzo(k)fluoranthene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Benzoic Acid	ND	1.4	mg/Kg dry	1	L-04	SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Bis(2-chloroethoxy)methane	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Bis(2-chloroethyl)ether	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Bis(2-chloroisopropyl)ether	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
4-Bromophenylphenylether	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Butylbenzylphthalate	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Carbazole	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
4-Chloroaniline	ND	0.90	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
4-Chloro-3-methylphenol	ND	0.90	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
2-Chloronaphthalene	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
2-Chlorophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
4-Chlorophenylphenylether	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Chrysene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Dibenz(a,h)anthracene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Dibenzofuran	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Di-n-butylphthalate	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
1,2-Dichlorobenzene	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
1,3-Dichlorobenzene	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
1,4-Dichlorobenzene	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
3,3-Dichlorobenzidine	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
2,4-Dichlorophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Diethylphthalate	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
2,4-Dimethylphenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Dimethylphthalate	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
4,6-Dinitro-2-methylphenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
2,4-Dinitrophenol	ND	0.90	mg/Kg dry	1	V-04, V-05	SW-846 8270D	11/13/13	11/15/13 0:20	CMR
2,4-Dinitrotoluene	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
2,6-Dinitrotoluene	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Di-n-octylphthalate	ND	0.92	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Fluoranthene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Fluorene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR

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Project Location: Bomax, Watertown NY | Sample Description: | Work Order: 13K0275

Date Received: 11/7/2013

Field Sample #: IDW-Soil-110513 | Sampled: 11/5/2013 14:50

Sample ID: 13K0275-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Hexachlorobutadiene	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Hexachlorocyclopentadiene	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Hexachloroethane	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Indeno(1,2,3-cd)pyrene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Isophorone	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
1-Methylnaphthalene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
2-Methylnaphthalene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
2-Methylphenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
3/4-Methylphenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Naphthalene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
2-Nitroaniline	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
3-Nitroaniline	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
4-Nitroaniline	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Nitrobenzene	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
2-Nitrophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
4-Nitrophenol	ND	0.90	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
N-Nitrosodimethylamine	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
N-Nitrosodiphenylamine	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
N-Nitrosodi-n-propylamine	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Pentachloronitrobenzene	ND	0.47	mg/Kg dry	1	V-16	SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Pentachlorophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Phenanthrene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Phenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Pyrene	ND	0.23	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
Pyridine	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
1,2,4-Trichlorobenzene	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
2,4,5-Trichlorophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR
2,4,6-Trichlorophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	11/13/13	11/15/13 0:20	CMR

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	45.1	30-130		11/15/13 0:20
Phenol-d6	59.5	30-130		11/15/13 0:20
Nitrobenzene-d5	58.7	30-130		11/15/13 0:20
2-Fluorobiphenyl	54.7	30-130		11/15/13 0:20
2,4,6-Tribromophenol	30.0	30-130	S-07	11/15/13 0:20
p-Terphenyl-d14	55.7	30-130		11/15/13 0:20

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Project Location: Bomax, Watertown NY | Sample Description: | Work Order: 13K0275

Date Received: 11/7/2013

Field Sample #: IDW-Soil-110513 | Sampled: 11/5/2013 14:50

Sample ID: 13K0275-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	17000	3.3	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 18:38	OP
Antimony	ND	3.3	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 18:38	OP
Arsenic	ND	3.3	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 18:38	OP
Barium	81	3.3	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 18:38	OP
Beryllium	ND	0.33	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 18:38	OP
Cadmium	0.50	0.33	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 18:38	OP
Calcium	170000	990	mg/Kg dry	100		SW-846 6010C	11/7/13	11/14/13 18:54	OP
Chromium	17	0.66	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 18:38	OP
Cobalt	5.2	3.3	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 18:38	OP
Copper	9.2	0.66	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 21:49	OP
Iron	17000	3.3	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 18:38	OP
Lead	19	0.99	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 21:49	OP
Magnesium	5800	9.9	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 18:38	OP
Manganese	470	0.66	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 18:38	OP
Mercury	0.052	0.035	mg/Kg dry	1		SW-846 7471B	11/12/13	11/12/13 15:23	SAJ
Nickel	15	0.66	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 18:38	OP
Potassium	2000	130	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 18:38	OP
Selenium	ND	3.3	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 21:49	OP
Silver	ND	0.66	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 18:38	OP
Sodium	640	130	mg/Kg dry	1		SW-846 6010C	11/7/13	11/14/13 17:21	OP
Thallium	ND	3.3	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 18:38	OP
Vanadium	12	1.3	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 18:38	OP
Zinc	36	1.3	mg/Kg dry	1		SW-846 6010C	11/7/13	11/8/13 21:49	OP

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Project Location: Bomax, Watertown NY | Sample Description: | Work Order: 13K0275

Date Received: 11/7/2013

Field Sample #: IDW-Soil-110513 | Sampled: 11/5/2013 14:50

Sample ID: 13K0275-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.67	mg/Kg dry	1		SW-846 9014	11/13/13	11/13/13 10:00	VLA
pH @20.2°C	11		pH Units	1	H-03	SW-846 9045C	11/8/13	11/8/13 8:30	LL
Reactive Cyanide	ND	4.0	mg/Kg	1		SW-846 9014	11/12/13	11/13/13 14:45	DJM
Reactive Sulfide	ND	20	mg/Kg	1		SW-846 9030A	11/12/13	11/13/13 13:52	DJM
% Solids	72.0		% Wt	1		SM 2540G	11/11/13	11/11/13 14:57	MXG

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Project Location: Bomax, Watertown NY | Sample Description: | Work Order: 13K0275

Date Received: 11/7/2013

Field Sample #: IDW-Soil-110513 | Sampled: 11/5/2013 14:50

Sample ID: 13K0275-04

Sample Matrix: Soil

TCLP - Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	0.010	mg/L	1		SW-846 8260C	11/15/13	11/15/13 12:40	LBD
2-Butanone (MEK)	ND	0.20	mg/L	1		SW-846 8260C	11/15/13	11/15/13 12:40	LBD
Carbon Tetrachloride	ND	0.050	mg/L	1		SW-846 8260C	11/15/13	11/15/13 12:40	LBD
Chlorobenzene	ND	0.010	mg/L	1		SW-846 8260C	11/15/13	11/15/13 12:40	LBD
Chloroform	ND	0.020	mg/L	1		SW-846 8260C	11/15/13	11/15/13 12:40	LBD
1,4-Dichlorobenzene	ND	0.010	mg/L	1		SW-846 8260C	11/15/13	11/15/13 12:40	LBD
1,2-Dichloroethane	ND	0.010	mg/L	1		SW-846 8260C	11/15/13	11/15/13 12:40	LBD
1,1-Dichloroethylene	ND	0.010	mg/L	1		SW-846 8260C	11/15/13	11/15/13 12:40	LBD
Tetrachloroethylene	ND	0.010	mg/L	1		SW-846 8260C	11/15/13	11/15/13 12:40	LBD
Trichloroethylene	ND	0.010	mg/L	1		SW-846 8260C	11/15/13	11/15/13 12:40	LBD
Vinyl Chloride	ND	0.020	mg/L	1		SW-846 8260C	11/15/13	11/15/13 12:40	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	112	70-130		11/15/13 12:40
Toluene-d8	97.8	70-130		11/15/13 12:40
4-Bromofluorobenzene	96.1	70-130		11/15/13 12:40

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Project Location: Bomax, Watertown NY | Sample Description: | Work Order: 13K0275

Date Received: 11/7/2013

Field Sample #: IDW-Soil-110513 | Sampled: 11/5/2013 14:50

Sample ID: 13K0275-04

Sample Matrix: Soil

TCLP - Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-Dinitrotoluene	ND	0.010	mg/L	1		SW-846 8270D	11/16/13	11/18/13 11:17	BGL
Hexachlorobenzene	ND	0.010	mg/L	1		SW-846 8270D	11/16/13	11/18/13 11:17	BGL
Hexachlorobutadiene	ND	0.010	mg/L	1		SW-846 8270D	11/16/13	11/18/13 11:17	BGL
Hexachloroethane	ND	0.010	mg/L	1		SW-846 8270D	11/16/13	11/18/13 11:17	BGL
2-Methylphenol	ND	0.010	mg/L	1		SW-846 8270D	11/16/13	11/18/13 11:17	BGL
3/4-Methylphenol	ND	0.010	mg/L	1		SW-846 8270D	11/16/13	11/18/13 11:17	BGL
Nitrobenzene	ND	0.010	mg/L	1		SW-846 8270D	11/16/13	11/18/13 11:17	BGL
Pentachlorophenol	ND	0.010	mg/L	1		SW-846 8270D	11/16/13	11/18/13 11:17	BGL
Pyridine	ND	0.0050	mg/L	1		SW-846 8270D	11/16/13	11/18/13 11:17	BGL
2,4,5-Trichlorophenol	ND	0.010	mg/L	1		SW-846 8270D	11/16/13	11/18/13 11:17	BGL
2,4,6-Trichlorophenol	ND	0.010	mg/L	1		SW-846 8270D	11/16/13	11/18/13 11:17	BGL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
2-Fluorophenol	45.5	15-110		11/18/13 11:17
Phenol-d6	41.3	15-110		11/18/13 11:17
Nitrobenzene-d5	57.3	30-130		11/18/13 11:17
2-Fluorobiphenyl	60.5	30-130		11/18/13 11:17
2,4,6-Tribromophenol	68.0	15-110		11/18/13 11:17
p-Terphenyl-d14	87.5	30-130		11/18/13 11:17

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bomax, Watertown NY | Sample Description: | Work Order: 13K0275

Date Received: 11/7/2013

Field Sample #: IDW-Soil-110513 | Sampled: 11/5/2013 14:50

Sample ID: 13K0275-04

Sample Matrix: Soil

TCLP - Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
gamma-BHC (Lindane) [2]	ND	0.030	µg/L	1		SW-846 8081B	11/16/13	11/18/13 13:11	PJG
Chlordane [1]	ND	0.20	µg/L	1		SW-846 8081B	11/16/13	11/18/13 13:11	PJG
Endrin [1]	ND	0.080	µg/L	1		SW-846 8081B	11/16/13	11/18/13 13:11	PJG
Heptachlor [1]	ND	0.050	µg/L	1		SW-846 8081B	11/16/13	11/18/13 13:11	PJG
Heptachlor epoxide [1]	ND	0.050	µg/L	1		SW-846 8081B	11/16/13	11/18/13 13:11	PJG
Methoxychlor [1]	ND	0.50	µg/L	1		SW-846 8081B	11/16/13	11/18/13 13:11	PJG
Toxaphene [1]	ND	1.0	µg/L	1	V-20	SW-846 8081B	11/16/13	11/18/13 13:11	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.6	30-150		11/18/13 13:11
Decachlorobiphenyl [2]	74.7	30-150		11/18/13 13:11
Tetrachloro-m-xylene [1]	72.4	30-150		11/18/13 13:11
Tetrachloro-m-xylene [2]	69.4	30-150		11/18/13 13:11

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Project Location: Bomax, Watertown NY | Sample Description: | Work Order: 13K0275

Date Received: 11/7/2013

Field Sample #: IDW-Soil-110513 | Sampled: 11/5/2013 14:50

Sample ID: 13K0275-04

Sample Matrix: Soil

TCLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/16/13	11/18/13 12:43	MJC
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/16/13	11/18/13 12:43	MJC
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/16/13	11/18/13 12:43	MJC
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/16/13	11/18/13 12:43	MJC
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/16/13	11/18/13 12:43	MJC
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/16/13	11/18/13 12:43	MJC
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/16/13	11/18/13 12:43	MJC
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/16/13	11/18/13 12:43	MJC
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/16/13	11/18/13 12:43	MJC

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.9	30-150		11/18/13 12:43
Decachlorobiphenyl [2]	74.2	30-150		11/18/13 12:43
Tetrachloro-m-xylene [1]	66.9	30-150		11/18/13 12:43
Tetrachloro-m-xylene [2]	76.9	30-150		11/18/13 12:43

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Project Location: Bomax, Watertown, NY | Sample Description: | Work Order: 13K0272

Date Received: 11/7/2013

Field Sample #: IDW-Water-110513 | Sampled: 11/5/2013 14:35

Sample ID: 13K0272-05

Sample Matrix: Waste Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	250	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Acrylonitrile	ND	25	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
tert-Amyl Methyl Ether (TAME)	ND	2.5	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Benzene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Bromobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Bromochloromethane	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Bromodichloromethane	ND	2.5	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Bromoform	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Bromomethane	ND	10	µg/L	5	R-05	SW-846 8260C	11/11/13	11/16/13 4:45	EEH
2-Butanone (MEK)	ND	100	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
tert-Butyl Alcohol (TBA)	ND	100	µg/L	5	V-16	SW-846 8260C	11/11/13	11/16/13 4:45	EEH
n-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
sec-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
tert-Butylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	2.5	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Carbon Disulfide	ND	20	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Carbon Tetrachloride	ND	25	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Chlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Chlorodibromomethane	ND	2.5	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Chloroethane	ND	10	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Chloroform	ND	10	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Chloromethane	ND	10	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
2-Chlorotoluene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
4-Chlorotoluene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,2-Dibromoethane (EDB)	ND	2.5	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Dibromomethane	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,2-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,3-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,4-Dichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
trans-1,4-Dichloro-2-butene	ND	10	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Dichlorodifluoromethane (Freon 12)	ND	10	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,1-Dichloroethane	150	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,2-Dichloroethane	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,1-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
cis-1,2-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
trans-1,2-Dichloroethylene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,2-Dichloropropane	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,3-Dichloropropane	ND	2.5	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
2,2-Dichloropropane	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,1-Dichloropropene	ND	10	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
cis-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
trans-1,3-Dichloropropene	ND	2.5	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Diethyl Ether	ND	10	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bomax, Watertown, NY | Sample Description: | Work Order: 13K0272

Date Received: 11/7/2013

Field Sample #: IDW-Water-110513 | Sampled: 11/5/2013 14:35

Sample ID: 13K0272-05

Sample Matrix: Waste Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	2.5	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,4-Dioxane	ND	250	µg/L	5	V-16	SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Ethylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Hexachlorobutadiene	ND	2.5	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
2-Hexanone (MBK)	ND	50	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Isopropylbenzene (Cumene)	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
p-Isopropyltoluene (p-Cymene)	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Methyl tert-Butyl Ether (MTBE)	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Methylene Chloride	ND	25	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
4-Methyl-2-pentanone (MIBK)	ND	50	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Naphthalene	ND	10	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
n-Propylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Styrene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,1,2,2-Tetrachloroethane	ND	2.5	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Tetrachloroethylene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Tetrahydrofuran	ND	50	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Toluene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,2,3-Trichlorobenzene	ND	25	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,2,4-Trichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,3,5-Trichlorobenzene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,1,1-Trichloroethane	120	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,1,2-Trichloroethane	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Trichloroethylene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Trichlorofluoromethane (Freon 11)	ND	10	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,2,3-Trichloropropane	ND	10	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,2,4-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
1,3,5-Trimethylbenzene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
Vinyl Chloride	ND	10	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
m+p Xylene	ND	10	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH
o-Xylene	ND	5.0	µg/L	5		SW-846 8260C	11/11/13	11/16/13 4:45	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.3	70-130		11/16/13 4:45
Toluene-d8	99.6	70-130		11/16/13 4:45
4-Bromofluorobenzene	99.6	70-130		11/16/13 4:45

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Bomax, Watertown, NY | Sample Description: | Work Order: 13K0272

Date Received: 11/7/2013

Field Sample #: IDW-Water-110513 | Sampled: 11/5/2013 14:35

Sample ID: 13K0272-05

Sample Matrix: Waste Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Acenaphthylene	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Acetophenone	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Aniline	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Anthracene	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Benzidine	ND	20	µg/L	1	R-05, V-05	SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Benzo(a)anthracene	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Benzo(a)pyrene	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Benzo(b)fluoranthene	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Benzo(g,h,i)perylene	ND	5.0	µg/L	1	V-05	SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Benzo(k)fluoranthene	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Benzoic Acid	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Carbazole	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
4-Chloro-3-methylphenol	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
4-Chlorophenylphenylether	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Chrysene	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Dibenz(a,h)anthracene	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
1,2-Dichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8270D	11/13/13	11/15/13 11:39	BGL
1,3-Dichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8270D	11/13/13	11/15/13 11:39	BGL
1,4-Dichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8270D	11/13/13	11/15/13 11:39	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
2,4-Dinitrophenol	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Di-n-octylphthalate	ND	10	µg/L	1	V-05	SW-846 8270D	11/13/13	11/15/13 11:39	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Fluoranthene	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Fluorene	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL

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Project Location: Bomax, Watertown, NY | Sample Description: | Work Order: 13K0272

Date Received: 11/7/2013

Field Sample #: IDW-Water-110513 | Sampled: 11/5/2013 14:35

Sample ID: 13K0272-05

Sample Matrix: Waste Water

Sample Flags: H-06

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Hexachlorobutadiene	ND	10	µg/L	1	R-05	SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Hexachloroethane	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L	1	V-05	SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Isophorone	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
1-Methylnaphthalene	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
2-Methylnaphthalene	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
2-Methylphenol	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Naphthalene	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
2-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
3-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
4-Nitroaniline	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
4-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
N-Nitrosodimethylamine	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
N-Nitrosodiphenylamine	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Phenanthrene	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Phenol	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Pyrene	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1	R-05	SW-846 8270D	11/13/13	11/15/13 11:39	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	11/13/13	11/15/13 11:39	BGL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
2-Fluorophenol	51.6		15-110		11/15/13 11:39
Phenol-d6	36.4		15-110		11/15/13 11:39
Nitrobenzene-d5	78.1		30-130		11/15/13 11:39
2-Fluorobiphenyl	81.0		30-130		11/15/13 11:39
2,4,6-Tribromophenol	**140**	*	15-110	S-07	11/15/13 11:39
p-Terphenyl-d14	101		30-130		11/15/13 11:39

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Project Location: Bomax, Watertown, NY | Sample Description: | Work Order: 13K0272

Date Received: 11/7/2013

Field Sample #: IDW-Water-110513 | Sampled: 11/5/2013 14:35

Sample ID: 13K0272-05

Sample Matrix: Waste Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.020	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
Aldrin [1]	ND	0.0050	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
alpha-BHC [1]	ND	0.0050	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
beta-BHC [1]	ND	0.0050	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
delta-BHC [1]	ND	0.0050	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
gamma-BHC (Lindane) [1]	ND	0.0030	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
Chlordane [1]	ND	0.020	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
4,4'-DDD [1]	ND	0.0040	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
4,4'-DDE [1]	ND	0.0040	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
4,4'-DDT [1]	ND	0.0040	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
Dieldrin [1]	ND	0.00020	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
Endosulfan I [1]	ND	0.0050	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
Endosulfan II [1]	ND	0.0080	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
Endosulfan sulfate [1]	ND	0.0080	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
Endrin [1]	ND	0.0080	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
Endrin aldehyde [1]	ND	0.0080	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
Endrin ketone [1]	ND	0.0080	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
Heptachlor [1]	ND	0.0050	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
Heptachlor epoxide [1]	ND	0.0050	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
Hexachlorobenzene [1]	ND	0.0050	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
Methoxychlor [1]	ND	0.050	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG
Toxaphene [1]	ND	0.10	µg/L	1		SW-846 8081B	11/10/13	11/12/13 15:34	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	65.6	30-150		11/12/13 15:34
Decachlorobiphenyl [2]	43.5	30-150		11/12/13 15:34
Tetrachloro-m-xylene [1]	54.2	30-150		11/12/13 15:34
Tetrachloro-m-xylene [2]	32.7	30-150		11/12/13 15:34

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Project Location: Bomax, Watertown, NY | Sample Description: | Work Order: 13K0272

Date Received: 11/7/2013

Field Sample #: IDW-Water-110513 | Sampled: 11/5/2013 14:35

Sample ID: 13K0272-05

Sample Matrix: Waste Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.020	µg/L	1		SW-846 8082A	11/10/13	11/11/13 20:28	JMB
Aroclor-1221 [1]	ND	0.020	µg/L	1		SW-846 8082A	11/10/13	11/11/13 20:28	JMB
Aroclor-1232 [1]	ND	0.020	µg/L	1		SW-846 8082A	11/10/13	11/11/13 20:28	JMB
Aroclor-1242 [1]	ND	0.020	µg/L	1		SW-846 8082A	11/10/13	11/11/13 20:28	JMB
Aroclor-1248 [1]	ND	0.020	µg/L	1		SW-846 8082A	11/10/13	11/11/13 20:28	JMB
Aroclor-1254 [1]	ND	0.020	µg/L	1		SW-846 8082A	11/10/13	11/11/13 20:28	JMB
Aroclor-1260 [1]	ND	0.020	µg/L	1		SW-846 8082A	11/10/13	11/11/13 20:28	JMB
Aroclor-1262 [1]	ND	0.020	µg/L	1		SW-846 8082A	11/10/13	11/11/13 20:28	JMB
Aroclor-1268 [1]	ND	0.020	µg/L	1		SW-846 8082A	11/10/13	11/11/13 20:28	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	53.7	30-150		11/11/13 20:28
Decachlorobiphenyl [2]	49.6	30-150		11/11/13 20:28
Tetrachloro-m-xylene [1]	51.3	30-150		11/11/13 20:28
Tetrachloro-m-xylene [2]	45.3	30-150		11/11/13 20:28

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Project Location: Bomax, Watertown, NY | Sample Description: | Work Order: 13K0272

Date Received: 11/7/2013

Field Sample #: IDW-Water-110513 | Sampled: 11/5/2013 14:35

Sample ID: 13K0272-05

Sample Matrix: Waste Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.77	0.050	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Antimony	ND	0.050	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Arsenic	0.020	0.010	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Barium	0.059	0.050	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Beryllium	ND	0.0040	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Cadmium	ND	0.0040	mg/L	1		SW-846 6010C	11/12/13	11/15/13 20:39	OP
Calcium	110	0.15	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Chromium	ND	0.010	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Cobalt	ND	0.050	mg/L	1		SW-846 6010C	11/12/13	11/15/13 20:39	OP
Copper	ND	0.010	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Iron	13	0.050	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Lead	0.014	0.010	mg/L	1		SW-846 6010C	11/12/13	11/15/13 20:39	OP
Magnesium	40	0.15	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Manganese	0.21	0.010	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	11/8/13	11/8/13 11:19	SAJ
Nickel	ND	0.010	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Potassium	11	2.0	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Selenium	ND	0.050	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Silver	0.0063	0.0050	mg/L	1		SW-846 6010C	11/15/13	11/18/13 12:33	OP
Sodium	93	2.0	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Thallium	ND	0.050	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Vanadium	0.017	0.010	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP
Zinc	ND	0.020	mg/L	1		SW-846 6010C	11/12/13	11/13/13 23:29	OP

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Project Location: Bomax, Watertown, NY | Sample Description: | Work Order: 13K0272

Date Received: 11/7/2013

Field Sample #: IDW-Water-110513 | Sampled: 11/5/2013 14:35

Sample ID: 13K0272-05

Sample Matrix: Waste Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Cyanide	ND	0.010	mg/L	1		SW-846 9014	11/13/13	11/13/13 10:00	VLA
pH @17.9°C	7.6		pH Units	1	H-05	SM18-20 4500 H B	11/8/13	11/8/13 8:30	LL
Reactive Cyanide	ND	4.0	mg/L	1		SW-846 9014	11/12/13	11/13/13 14:45	DJM
Reactive Sulfide	ND	20	mg/L	1		SW-846 9030A	11/12/13	11/13/13 13:52	DJM

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Project Location: Bomax, Watertown, NY | Sample Description: | Work Order: 13K0272

Date Received: 11/7/2013

Field Sample #: IDW-Water-110513 | Sampled: 11/5/2013 14:35

Sample ID: 13K0272-05

Sample Matrix: Waste Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Flashpoint	>212		°F	1		SW-846 1010		11/13/13 0:00	SAL

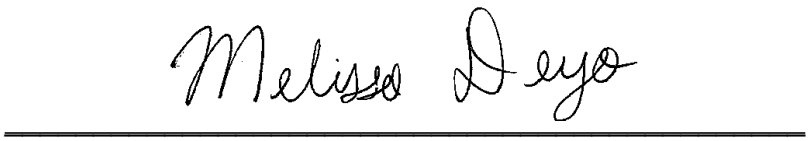
ANALYTICAL REPORT

Job Number: 480-152739-1

Job Description: Former Bomax Manufacturing - NYSDEC

For:
O'Brien & Gere Inc of North America
333 West Washington St.
PO BOX 4873
East Syracuse, NY 13221

Attention: Mr. David J Carnevale



Approved for release.
Melissa L Deyo
Project Manager I
5/29/2019 2:59 PM

Melissa L Deyo, Project Manager I
10 Hazelwood Drive, Amherst, NY, 14228-2298
(716)504-9874
melissa.deyo@testamericainc.com
05/29/2019

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TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

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Raw QC Data 1605

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Job Narrative
480-152739-1

Receipt
The samples were received on 5/1/2019 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.6º C, 2.0º C and 2.2º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-471956 recovered above the upper control limit for 2-Hexanone. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: WCS04_043019 (480-152739-4), WCS05_043019 (480-152739-5) and WCS06_043019 (480-152739-6).

Method(s) 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: WCS04_043019 (480-152739-4) and WCS05_043019 (480-152739-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted due to the nature of the TCLP matrix: WCS01_043019 (480-152739-1), WCS02_043019 (480-152739-2) and (LB 480-471329/1-A). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following TCLP volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: WCS03_043019 (480-152739-3). 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.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-471678 recovered outside acceptance criteria, low biased, for 3-Nitroaniline and 4-Chloroaniline. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted:WCS04_043019 (480-152739-4), WCS05_043019 (480-152739-5) and WCS06_043019 (480-152739-6).

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-471871 recovered above the upper control limit for Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: WCS01_043019 (480-152739-1), WCS02_043019 (480-152739-2) and WCS03_043019 (480-152739-3).

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: WCS03_043019 (480-152739-3). These results have been reported and qualified.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-471871 was outside the method criteria for the following surrogate: 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. The following samples are impacted:WCS01_043019 (480-152739-1), WCS02_043019 (480-152739-2) and WCS03_043019 (480-152739-3).

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

GC Semi VOA
Method(s) 8081B: All primary data for analytical batches 471479 and 472182 is reported from the RTX-CLPI column.

Method(s) 8082A: The following samples are associated with a continuing calibration verification (CCV 480-471457/1) that had recoveries for the surrogate Decachlorobiphenyl that were below acceptance limits: WCS04_043019 (480-152739-4), WCS05_043019 (480-152739-5) and WCS06_043019 (480-152739-6). The secondary surrogate Tetrachloro-m-xylene is within limits. Therefore, the data has been reported.

Method(s) 8082A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

Method(s) 8082A: All primary data for analytical batches 471457 and 473488 is reported from the ZB-5 column.

Method(s) 8151A: All primary data for analytical batch 471416 is reported from the RTX-CLPI column.

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

Metals
Method(s) 6010C: The continuing calibration verifications (CCV 480-472007/17 and CCV 480-472007/26) associated with batch 480-472007 recovered above the upper control limit for TCLP Arsenic and Selenium. The samples associated with this CCV, WCS02_043019 (480-152739-2), (LB 480-471328/1-B) and (MB 480-471559/2-A), were non-detect for the affected analytes; therefore,

the data have been reported.

Method(s) 6010C: The low level continuing calibration verification (CCVL 480-472691/29) recovered above the upper control limit for Total Barium. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples WCS01_043019 (480-152739-1), WCS03_043019 (480-152739-3), (LB 480-471526/1-B), (LCS 480-471556/3-A), (MB 480-471556/2-A), (480-152739-B-1-D PDS), (480-152739-B-1-D SD ^5), (480-152739-B-3-E MS) and (480-152739-B-3-F MSD) was not performed.

Method(s) 6010, 6010C: The low level continuing calibration verification (CCVL 480-472945/35) recovered above the upper control limit for Total Aluminum. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples WCS05_043019 (480-152739-5), WCS06_043019 (480-152739-6), (LCS 480-471591/2-A) and (LCSD 480-471591/3-A) was not performed.

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

General Chemistry
Method(s) 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: WCS06_043019 (480-152739-6).

Method(s) 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: WCS04_043019 (480-152739-4) and WCS05_043019 (480-152739-5).

Method(s) 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: WCS01_043019 (480-152739-1) and WCS02_043019 (480-152739-2).

Method(s) 9045C, 9045D: 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: WCS03_043019 (480-152739-3).

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

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-471328, 480-471526, 480-471526 and 480-471580.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-471330.

Method(s) 8151A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-471087.

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

Sample Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-152739-1
Project/Site: Former Bomax Manufacturing - NYSDEC

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-152739-1	WCS01_043019	Solid	04/30/19 09:40	05/01/19 01:00	
480-152739-2	WCS02_043019	Solid	04/30/19 10:00	05/01/19 01:00	
480-152739-3	WCS03_043019	Solid	04/30/19 10:44	05/01/19 01:00	
480-152739-4	WCS04_043019	Water	04/30/19 11:20	05/01/19 01:00	
480-152739-5	WCS05_043019	Water	04/30/19 12:00	05/01/19 01:00	
480-152739-6	WCS06_043019	Water	04/30/19 12:45	05/01/19 01:00	

Detection Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-152739-1
Project/Site: Former Bomax Manufacturing - NYSDEC

Client Sample ID: WCS01_043019 — Lab Sample ID: 480-152739-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.46	J ^	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.0011	J	0.0020	0.00050	mg/L	1		6010C	TCLP
Flashpoint	>176		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	7.7	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	20.8	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

Client Sample ID: WCS02_043019 — Lab Sample ID: 480-152739-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.70	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.0016	J	0.0020	0.00050	mg/L	1		6010C	TCLP
Flashpoint	>176		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.4	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	20.8	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

Client Sample ID: WCS03_043019 — Lab Sample ID: 480-152739-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.71	J ^	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.00062	J	0.0020	0.00050	mg/L	1		6010C	TCLP
Flashpoint	>176		50.0	50.0	Degrees F	1		1010A	Total/NA
Cyanide	1.1	J	1.5	0.71	mg/Kg	1	☼	9012B	Total/NA
pH	12.0	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	25.2	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

Client Sample ID: WCS04_043019 — Lab Sample ID: 480-152739-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	5.2		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	3.3		2.0	0.76	ug/L	2		8260C	Total/NA
2-Butanone (MEK)	4.4	J	20	2.6	ug/L	2		8260C	Total/NA
Acetone	29		20	6.0	ug/L	2		8260C	Total/NA
Methyl acetate	8.5		5.0	2.6	ug/L	2		8260C	Total/NA
4-Methylphenol	2.0	J	10	0.36	ug/L	1		8270D	Total/NA
Diethyl phthalate	2.6	J	5.0	0.22	ug/L	1		8270D	Total/NA
Phenol	1.2	J	5.0	0.39	ug/L	1		8270D	Total/NA
Aluminum	0.22		0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.052		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	116		0.50	0.10	mg/L	1		6010C	Total/NA
Copper	0.0022	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Iron	1.2		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	67.1		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.039	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0034	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	14.0		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	123		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0026	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Flashpoint	>180		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	7.61	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	19.4	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-152739-1
Project/Site: Former Bomax Manufacturing - NYSDEC

Client Sample ID: WCS05_043019 — Lab Sample ID: 480-152739-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.8		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	3.7		2.0	0.76	ug/L	2		8260C	Total/NA
2-Butanone (MEK)	3.8	J	20	2.6	ug/L	2		8260C	Total/NA
Acetone	15	J	20	6.0	ug/L	2		8260C	Total/NA
Chloroform	1.0	J	2.0	0.68	ug/L	2		8260C	Total/NA
Methyl acetate	10		5.0	2.6	ug/L	2		8260C	Total/NA
Toluene	4.4		2.0	1.0	ug/L	2		8260C	Total/NA
Benzaldehyde	0.30	J	5.0	0.27	ug/L	1		8270D	Total/NA
Phenol	1.2	J	5.0	0.39	ug/L	1		8270D	Total/NA
PCB-1242	0.35	J	0.50	0.18	ug/L	1		8082A	Total/NA
Aluminum	0.13	J ^	0.20	0.060	mg/L	1		6010C	Total/NA
Barium	0.015		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	28.3		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	1.0		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	7.3		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.0069	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Nickel	0.0052	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Potassium	16.6		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	86.2		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0025	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Flashpoint	>176		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	9.32	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	19.6	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: WCS06_043019 — Lab Sample ID: 480-152739-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.85	J	1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.72	J	1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	5.7	J	10	3.0	ug/L	1		8260C	Total/NA
Xylenes, Total	0.71	J	2.0	0.66	ug/L	1		8260C	Total/NA
Phenol	0.74	J	5.0	0.39	ug/L	1		8270D	Total/NA
Barium	0.055		0.0020	0.00070	mg/L	1		6010C	Total/NA
Calcium	108		0.50	0.10	mg/L	1		6010C	Total/NA
Iron	1.4		0.050	0.019	mg/L	1		6010C	Total/NA
Magnesium	13.9		0.20	0.043	mg/L	1		6010C	Total/NA
Manganese	0.012	B	0.0030	0.00040	mg/L	1		6010C	Total/NA
Potassium	23.5		0.50	0.10	mg/L	1		6010C	Total/NA
Sodium	51.3		1.0	0.32	mg/L	1		6010C	Total/NA
Zinc	0.0020	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Flashpoint	>176		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	10.5	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	21.6	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: O'Brien & Gere Inc of North America
Job ID: 480-152739-1
Project/Site: Former Bomax Manufacturing - NYSDEC

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL BUF
9012	Cyanide, Reactive	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
9034	Sulfide, Reactive	SW846	TAL BUF
9040C	pH	SW846	TAL BUF
9045D	pH	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
1311	TCLP Extraction	SW846	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
3010A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
7.3.3	Cyanide, Reactive	SW846	TAL BUF
7.3.4	Sulfide, Reactive	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL 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:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Client Sample ID: WCS01_043019
Lab Sample ID: 480-152739-1

Date Collected: 04/30/19 09:40
Matrix: Solid

Date Received: 05/01/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/15/19 11:20	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/15/19 11:20	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/15/19 11:20	10
Benzene	ND		0.010	0.0041	mg/L			05/15/19 11:20	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/15/19 11:20	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/15/19 11:20	10
Chloroform	ND		0.010	0.0034	mg/L			05/15/19 11:20	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/15/19 11:20	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/15/19 11:20	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/15/19 11:20	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*05/15/19 11:20*	*10*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*05/15/19 11:20*	*10*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*05/15/19 11:20*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/15/19 11:20*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		05/07/19 15:27	05/08/19 18:12	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		05/07/19 15:27	05/08/19 18:12	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		05/07/19 15:27	05/08/19 18:12	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		05/07/19 15:27	05/08/19 18:12	1
2-Methylphenol	ND		0.020	0.0016	mg/L		05/07/19 15:27	05/08/19 18:12	1
3-Methylphenol	ND		0.040	0.0016	mg/L		05/07/19 15:27	05/08/19 18:12	1
4-Methylphenol	ND		0.040	0.0014	mg/L		05/07/19 15:27	05/08/19 18:12	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		05/07/19 15:27	05/08/19 18:12	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		05/07/19 15:27	05/08/19 18:12	1
Hexachloroethane	ND		0.020	0.0023	mg/L		05/07/19 15:27	05/08/19 18:12	1
Nitrobenzene	ND		0.020	0.0011	mg/L		05/07/19 15:27	05/08/19 18:12	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		05/07/19 15:27	05/08/19 18:12	1
Pyridine	ND		0.10	0.0016	mg/L		05/07/19 15:27	05/08/19 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*41 - 120*	*05/07/19 15:27*	*05/08/19 18:12*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*05/07/19 15:27*	*05/08/19 18:12*	*1*
2-Fluorophenol	*48*		*35 - 120*	*05/07/19 15:27*	*05/08/19 18:12*	*1*
Nitrobenzene-d5	*88*		*46 - 120*	*05/07/19 15:27*	*05/08/19 18:12*	*1*
Phenol-d5	*30*		*22 - 120*	*05/07/19 15:27*	*05/08/19 18:12*	*1*
p-Terphenyl-d14	*97*		*59 - 136*	*05/07/19 15:27*	*05/08/19 18:12*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		05/07/19 11:15	05/10/19 12:45	1
Endrin	ND		0.00020	0.000014	mg/L		05/07/19 11:15	05/10/19 12:45	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		05/07/19 11:15	05/10/19 12:45	1
Heptachlor	ND		0.00020	0.0000085	mg/L		05/07/19 11:15	05/10/19 12:45	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		05/07/19 11:15	05/10/19 12:45	1
Methoxychlor	ND		0.00020	0.000014	mg/L		05/07/19 11:15	05/10/19 12:45	1
Toxaphene	ND		0.0020	0.00012	mg/L		05/07/19 11:15	05/10/19 12:45	1

Client Sample ID: WCS01_043019
Lab Sample ID: 480-152739-1
Date Collected: 04/30/19 09:40
Matrix: Solid
Date Received: 05/01/19 01:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*97*		*20 - 120*	*05/07/19 11:15*	*05/10/19 12:45*	*1*
DCB Decachlorobiphenyl	*107*		*20 - 120*	*05/07/19 11:15*	*05/10/19 12:45*	*1*
Tetrachloro-m-xylene	*92*		*44 - 120*	*05/07/19 11:15*	*05/10/19 12:45*	*1*
Tetrachloro-m-xylene	*83*		*44 - 120*	*05/07/19 11:15*	*05/10/19 12:45*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/07/19 10:50	05/13/19 17:32	1
Barium	**0.46**	**J ^**	1.0	0.10	mg/L		05/07/19 10:50	05/13/19 17:32	1
Cadmium	**0.0011**	**J**	0.0020	0.00050	mg/L		05/07/19 10:50	05/13/19 17:32	1
Chromium	ND		0.020	0.010	mg/L		05/07/19 10:50	05/13/19 17:32	1
Lead	ND		0.020	0.0030	mg/L		05/07/19 10:50	05/13/19 17:32	1
Selenium	ND		0.025	0.0087	mg/L		05/07/19 10:50	05/13/19 17:32	1
Silver	ND		0.0060	0.0017	mg/L		05/07/19 10:50	05/13/19 17:32	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/07/19 11:52	05/07/19 15:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Reactive Cyanide	ND		10	10	mg/Kg		05/12/19 09:15	05/13/19 11:42	1
Reactive Sulfide	ND		10	10	mg/Kg		05/12/19 09:15	05/13/19 13:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>176**		50.0	50.0	Degrees F			05/14/19 11:55	1
pH	**7.7**	**HF**	0.1	0.1	SU			05/06/19 15:10	1
Temperature	**20.8**	**HF**	0.001	0.001	Degrees C			05/06/19 15:10	1

Client Sample ID: WCS01_043019
Lab Sample ID: 480-152739-1
Date Collected: 04/30/19 09:40
Matrix: Solid
Date Received: 05/01/19 01:00
Percent Solids: 82.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.30	0.059	mg/Kg	☼	05/07/19 15:42	05/18/19 03:19	1
PCB-1221	ND		0.30	0.059	mg/Kg	☼	05/07/19 15:42	05/18/19 03:19	1
PCB-1232	ND		0.30	0.059	mg/Kg	☼	05/07/19 15:42	05/18/19 03:19	1
PCB-1242	ND		0.30	0.059	mg/Kg	☼	05/07/19 15:42	05/18/19 03:19	1
PCB-1248	ND		0.30	0.059	mg/Kg	☼	05/07/19 15:42	05/18/19 03:19	1
PCB-1254	ND		0.30	0.14	mg/Kg	☼	05/07/19 15:42	05/18/19 03:19	1
PCB-1260	ND		0.30	0.14	mg/Kg	☼	05/07/19 15:42	05/18/19 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*130*		*60 - 154*	*05/07/19 15:42*	*05/18/19 03:19*	*1*
Tetrachloro-m-xylene	*104*		*60 - 154*	*05/07/19 15:42*	*05/18/19 03:19*	*1*
DCB Decachlorobiphenyl	*131*		*65 - 174*	*05/07/19 15:42*	*05/18/19 03:19*	*1*
DCB Decachlorobiphenyl	*104*		*65 - 174*	*05/07/19 15:42*	*05/18/19 03:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide	ND		1.1	0.55	mg/Kg	☼	05/12/19 15:50	05/13/19 10:15	1

Client Sample ID: WCS02_043019
Lab Sample ID: 480-152739-2

Date Collected: 04/30/19 10:00
Matrix: Solid
Date Received: 05/01/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			05/15/19 11:43	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			05/15/19 11:43	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			05/15/19 11:43	10
Benzene	ND		0.010	0.0041	mg/L			05/15/19 11:43	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			05/15/19 11:43	10
Chlorobenzene	ND		0.010	0.0075	mg/L			05/15/19 11:43	10
Chloroform	ND		0.010	0.0034	mg/L			05/15/19 11:43	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			05/15/19 11:43	10
Trichloroethene	ND		0.010	0.0046	mg/L			05/15/19 11:43	10
Vinyl chloride	ND		0.010	0.0090	mg/L			05/15/19 11:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*77 - 120*		*05/15/19 11:43*	*10*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*05/15/19 11:43*	*10*
Dibromofluoromethane (Surr)	*86*		*75 - 123*		*05/15/19 11:43*	*10*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/15/19 11:43*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		05/07/19 15:27	05/08/19 18:37	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		05/07/19 15:27	05/08/19 18:37	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		05/07/19 15:27	05/08/19 18:37	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		05/07/19 15:27	05/08/19 18:37	1
2-Methylphenol	ND		0.020	0.0016	mg/L		05/07/19 15:27	05/08/19 18:37	1
3-Methylphenol	ND		0.040	0.0016	mg/L		05/07/19 15:27	05/08/19 18:37	1
4-Methylphenol	ND		0.040	0.0014	mg/L		05/07/19 15:27	05/08/19 18:37	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		05/07/19 15:27	05/08/19 18:37	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		05/07/19 15:27	05/08/19 18:37	1
Hexachloroethane	ND		0.020	0.0023	mg/L		05/07/19 15:27	05/08/19 18:37	1
Nitrobenzene	ND		0.020	0.0011	mg/L		05/07/19 15:27	05/08/19 18:37	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		05/07/19 15:27	05/08/19 18:37	1
Pyridine	ND		0.10	0.0016	mg/L		05/07/19 15:27	05/08/19 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*111*		*41 - 120*	*05/07/19 15:27*	*05/08/19 18:37*	*1*
2-Fluorobiphenyl	*101*		*48 - 120*	*05/07/19 15:27*	*05/08/19 18:37*	*1*
2-Fluorophenol	*52*		*35 - 120*	*05/07/19 15:27*	*05/08/19 18:37*	*1*
Nitrobenzene-d5	*96*		*46 - 120*	*05/07/19 15:27*	*05/08/19 18:37*	*1*
Phenol-d5	*33*		*22 - 120*	*05/07/19 15:27*	*05/08/19 18:37*	*1*
p-Terphenyl-d14	*111*		*59 - 136*	*05/07/19 15:27*	*05/08/19 18:37*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		05/07/19 11:15	05/10/19 13:05	1
Endrin	ND		0.00020	0.000014	mg/L		05/07/19 11:15	05/10/19 13:05	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		05/07/19 11:15	05/10/19 13:05	1
Heptachlor	ND		0.00020	0.0000085	mg/L		05/07/19 11:15	05/10/19 13:05	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		05/07/19 11:15	05/10/19 13:05	1
Methoxychlor	ND		0.00020	0.000014	mg/L		05/07/19 11:15	05/10/19 13:05	1
Toxaphene	ND		0.0020	0.00012	mg/L		05/07/19 11:15	05/10/19 13:05	1

Client Sample ID: WCS02_043019
Lab Sample ID: 480-152739-2
Date Collected: 04/30/19 10:00
Matrix: Solid
Date Received: 05/01/19 01:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*20 - 120*	*05/07/19 11:15*	*05/10/19 13:05*	*1*
DCB Decachlorobiphenyl	*100*		*20 - 120*	*05/07/19 11:15*	*05/10/19 13:05*	*1*
Tetrachloro-m-xylene	*95*		*44 - 120*	*05/07/19 11:15*	*05/10/19 13:05*	*1*
Tetrachloro-m-xylene	*83*		*44 - 120*	*05/07/19 11:15*	*05/10/19 13:05*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	^ *	0.015	0.0056	mg/L		05/07/19 10:50	05/08/19 23:01	1
Barium	**0.70**	**J**	1.0	0.10	mg/L		05/07/19 10:50	05/08/19 23:01	1
Cadmium	**0.0016**	**J**	0.0020	0.00050	mg/L		05/07/19 10:50	05/08/19 23:01	1
Chromium	ND		0.020	0.010	mg/L		05/07/19 10:50	05/08/19 23:01	1
Lead	ND		0.020	0.0030	mg/L		05/07/19 10:50	05/08/19 23:01	1
Selenium	ND	^	0.025	0.0087	mg/L		05/07/19 10:50	05/08/19 23:01	1
Silver	ND		0.0060	0.0017	mg/L		05/07/19 10:50	05/08/19 23:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/07/19 11:52	05/07/19 15:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Reactive Cyanide	ND		10	10	mg/Kg		05/12/19 09:15	05/13/19 11:42	1
Reactive Sulfide	ND		10	10	mg/Kg		05/12/19 09:15	05/13/19 13:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>176**		50.0	50.0	Degrees F			05/16/19 13:20	1
pH	**8.4**	**HF**	0.1	0.1	SU			05/06/19 15:10	1
Temperature	**20.8**	**HF**	0.001	0.001	Degrees C			05/06/19 15:10	1

Client Sample ID: WCS02_043019
Lab Sample ID: 480-152739-2
Date Collected: 04/30/19 10:00
Matrix: Solid
Date Received: 05/01/19 01:00
Percent Solids: 76.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.32	0.063	mg/Kg	☼	05/07/19 15:42	05/18/19 03:32	1
PCB-1221	ND		0.32	0.063	mg/Kg	☼	05/07/19 15:42	05/18/19 03:32	1
PCB-1232	ND		0.32	0.063	mg/Kg	☼	05/07/19 15:42	05/18/19 03:32	1
PCB-1242	ND		0.32	0.063	mg/Kg	☼	05/07/19 15:42	05/18/19 03:32	1
PCB-1248	ND		0.32	0.063	mg/Kg	☼	05/07/19 15:42	05/18/19 03:32	1
PCB-1254	ND		0.32	0.15	mg/Kg	☼	05/07/19 15:42	05/18/19 03:32	1
PCB-1260	ND		0.32	0.15	mg/Kg	☼	05/07/19 15:42	05/18/19 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*127*		*60 - 154*	*05/07/19 15:42*	*05/18/19 03:32*	*1*
Tetrachloro-m-xylene	*104*		*60 - 154*	*05/07/19 15:42*	*05/18/19 03:32*	*1*
DCB Decachlorobiphenyl	*136*		*65 - 174*	*05/07/19 15:42*	*05/18/19 03:32*	*1*
DCB Decachlorobiphenyl	*107*		*65 - 174*	*05/07/19 15:42*	*05/18/19 03:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide	ND		1.2	0.60	mg/Kg	☼	05/12/19 15:50	05/13/19 10:17	1

Client Sample ID: WCS03_043019
Lab Sample ID: 480-152739-3

Date Collected: 04/30/19 10:44
Matrix: Solid

Date Received: 05/01/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.020	0.0058	mg/L			05/15/19 12:06	20
1,2-Dichloroethane	ND		0.020	0.0042	mg/L			05/15/19 12:06	20
2-Butanone (MEK)	ND		0.10	0.026	mg/L			05/15/19 12:06	20
Benzene	ND		0.020	0.0082	mg/L			05/15/19 12:06	20
Carbon tetrachloride	ND		0.020	0.0054	mg/L			05/15/19 12:06	20
Chlorobenzene	ND		0.020	0.015	mg/L			05/15/19 12:06	20
Chloroform	ND		0.020	0.0068	mg/L			05/15/19 12:06	20
Tetrachloroethene	ND		0.020	0.0072	mg/L			05/15/19 12:06	20
Trichloroethene	ND		0.020	0.0092	mg/L			05/15/19 12:06	20
Vinyl chloride	ND		0.020	0.018	mg/L			05/15/19 12:06	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*05/15/19 12:06*	*20*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*05/15/19 12:06*	*20*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*05/15/19 12:06*	*20*
Toluene-d8 (Surr)	*100*		*80 - 120*		*05/15/19 12:06*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		05/07/19 15:27	05/08/19 19:02	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		05/07/19 15:27	05/08/19 19:02	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		05/07/19 15:27	05/08/19 19:02	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		05/07/19 15:27	05/08/19 19:02	1
2-Methylphenol	ND		0.020	0.0016	mg/L		05/07/19 15:27	05/08/19 19:02	1
3-Methylphenol	ND		0.040	0.0016	mg/L		05/07/19 15:27	05/08/19 19:02	1
4-Methylphenol	ND		0.040	0.0014	mg/L		05/07/19 15:27	05/08/19 19:02	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		05/07/19 15:27	05/08/19 19:02	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		05/07/19 15:27	05/08/19 19:02	1
Hexachloroethane	ND		0.020	0.0023	mg/L		05/07/19 15:27	05/08/19 19:02	1
Nitrobenzene	ND		0.020	0.0011	mg/L		05/07/19 15:27	05/08/19 19:02	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		05/07/19 15:27	05/08/19 19:02	1
Pyridine	ND		0.10	0.0016	mg/L		05/07/19 15:27	05/08/19 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*122*	*X*	*41 - 120*	*05/07/19 15:27*	*05/08/19 19:02*	*1*
2-Fluorobiphenyl	*100*		*48 - 120*	*05/07/19 15:27*	*05/08/19 19:02*	*1*
2-Fluorophenol	*52*		*35 - 120*	*05/07/19 15:27*	*05/08/19 19:02*	*1*
Nitrobenzene-d5	*95*		*46 - 120*	*05/07/19 15:27*	*05/08/19 19:02*	*1*
Phenol-d5	*34*		*22 - 120*	*05/07/19 15:27*	*05/08/19 19:02*	*1*
p-Terphenyl-d14	*99*		*59 - 136*	*05/07/19 15:27*	*05/08/19 19:02*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		05/07/19 11:15	05/10/19 13:25	1
Endrin	ND		0.00020	0.000014	mg/L		05/07/19 11:15	05/10/19 13:25	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		05/07/19 11:15	05/10/19 13:25	1
Heptachlor	ND		0.00020	0.0000085	mg/L		05/07/19 11:15	05/10/19 13:25	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		05/07/19 11:15	05/10/19 13:25	1
Methoxychlor	ND		0.00020	0.000014	mg/L		05/07/19 11:15	05/10/19 13:25	1
Toxaphene	ND		0.0020	0.00012	mg/L		05/07/19 11:15	05/10/19 13:25	1

Client Sample ID: WCS03_043019
Lab Sample ID: 480-152739-3
Date Collected: 04/30/19 10:44
Matrix: Solid
Date Received: 05/01/19 01:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*20 - 120*	*05/07/19 11:15*	*05/10/19 13:25*	*1*
DCB Decachlorobiphenyl	*67*		*20 - 120*	*05/07/19 11:15*	*05/10/19 13:25*	*1*
Tetrachloro-m-xylene	*86*		*44 - 120*	*05/07/19 11:15*	*05/10/19 13:25*	*1*
Tetrachloro-m-xylene	*65*		*44 - 120*	*05/07/19 11:15*	*05/10/19 13:25*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		05/07/19 10:50	05/13/19 17:44	1
Barium	**0.71**	**J ^**	1.0	0.10	mg/L		05/07/19 10:50	05/13/19 17:44	1
Cadmium	**0.00062**	**J**	0.0020	0.00050	mg/L		05/07/19 10:50	05/13/19 17:44	1
Chromium	ND		0.020	0.010	mg/L		05/07/19 10:50	05/13/19 17:44	1
Lead	ND		0.020	0.0030	mg/L		05/07/19 10:50	05/13/19 17:44	1
Selenium	ND		0.025	0.0087	mg/L		05/07/19 10:50	05/13/19 17:44	1
Silver	ND		0.0060	0.0017	mg/L		05/07/19 10:50	05/13/19 17:44	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/07/19 11:52	05/07/19 15:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Reactive Cyanide	ND		10	10	mg/Kg		05/12/19 09:15	05/13/19 11:42	1
Reactive Sulfide	ND		10	10	mg/Kg		05/12/19 09:15	05/13/19 13:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>176**		50.0	50.0	Degrees F			05/16/19 13:20	1
pH	**12.0**	**HF**	0.1	0.1	SU			05/07/19 16:15	1
Temperature	**25.2**	**HF**	0.001	0.001	Degrees C			05/07/19 16:15	1

Client Sample ID: WCS03_043019
Lab Sample ID: 480-152739-3
Date Collected: 04/30/19 10:44
Matrix: Solid
Date Received: 05/01/19 01:00
Percent Solids: 57.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.31	0.061	mg/Kg	☼	05/07/19 15:42	05/18/19 03:44	1
PCB-1221	ND		0.31	0.061	mg/Kg	☼	05/07/19 15:42	05/18/19 03:44	1
PCB-1232	ND		0.31	0.061	mg/Kg	☼	05/07/19 15:42	05/18/19 03:44	1
PCB-1242	ND		0.31	0.061	mg/Kg	☼	05/07/19 15:42	05/18/19 03:44	1
PCB-1248	ND		0.31	0.061	mg/Kg	☼	05/07/19 15:42	05/18/19 03:44	1
PCB-1254	ND		0.31	0.15	mg/Kg	☼	05/07/19 15:42	05/18/19 03:44	1
PCB-1260	ND		0.31	0.15	mg/Kg	☼	05/07/19 15:42	05/18/19 03:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*110*		*60 - 154*	*05/07/19 15:42*	*05/18/19 03:44*	*1*
Tetrachloro-m-xylene	*90*		*60 - 154*	*05/07/19 15:42*	*05/18/19 03:44*	*1*
DCB Decachlorobiphenyl	*114*		*65 - 174*	*05/07/19 15:42*	*05/18/19 03:44*	*1*
DCB Decachlorobiphenyl	*91*		*65 - 174*	*05/07/19 15:42*	*05/18/19 03:44*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide	**1.1**	**J**	1.5	0.71	mg/Kg	☼	05/12/19 15:50	05/13/19 10:18	1

Client Sample ID: WCS04_043019
Lab Sample ID: 480-152739-4

Date Collected: 04/30/19 11:20
Matrix: Water
Date Received: 05/01/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**5.2**		2.0	1.6	ug/L			05/09/19 10:36	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			05/09/19 10:36	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			05/09/19 10:36	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			05/09/19 10:36	2
1,1-Dichloroethane	**3.3**		2.0	0.76	ug/L			05/09/19 10:36	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			05/09/19 10:36	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			05/09/19 10:36	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			05/09/19 10:36	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			05/09/19 10:36	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			05/09/19 10:36	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			05/09/19 10:36	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			05/09/19 10:36	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			05/09/19 10:36	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			05/09/19 10:36	2
2-Butanone (MEK)	**4.4**	**J**	20	2.6	ug/L			05/09/19 10:36	2
2-Hexanone	ND		10	2.5	ug/L			05/09/19 10:36	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			05/09/19 10:36	2
Acetone	**29**		20	6.0	ug/L			05/09/19 10:36	2
Benzene	ND		2.0	0.82	ug/L			05/09/19 10:36	2
Bromodichloromethane	ND		2.0	0.78	ug/L			05/09/19 10:36	2
Bromoform	ND		2.0	0.52	ug/L			05/09/19 10:36	2
Bromomethane	ND		2.0	1.4	ug/L			05/09/19 10:36	2
Carbon disulfide	ND		2.0	0.38	ug/L			05/09/19 10:36	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			05/09/19 10:36	2
Chlorobenzene	ND		2.0	1.5	ug/L			05/09/19 10:36	2
Chloroethane	ND		2.0	0.64	ug/L			05/09/19 10:36	2
Chloroform	ND		2.0	0.68	ug/L			05/09/19 10:36	2
Chloromethane	ND		2.0	0.70	ug/L			05/09/19 10:36	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			05/09/19 10:36	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			05/09/19 10:36	2
Cyclohexane	ND		2.0	0.36	ug/L			05/09/19 10:36	2
Dibromochloromethane	ND		2.0	0.64	ug/L			05/09/19 10:36	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			05/09/19 10:36	2
Ethylbenzene	ND		2.0	1.5	ug/L			05/09/19 10:36	2
Isopropylbenzene	ND		2.0	1.6	ug/L			05/09/19 10:36	2
Methyl acetate	**8.5**		5.0	2.6	ug/L			05/09/19 10:36	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			05/09/19 10:36	2
Methylcyclohexane	ND		2.0	0.32	ug/L			05/09/19 10:36	2
Methylene Chloride	ND		2.0	0.88	ug/L			05/09/19 10:36	2
Styrene	ND		2.0	1.5	ug/L			05/09/19 10:36	2
Tetrachloroethene	ND		2.0	0.72	ug/L			05/09/19 10:36	2
Toluene	ND		2.0	1.0	ug/L			05/09/19 10:36	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			05/09/19 10:36	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			05/09/19 10:36	2
Trichloroethene	ND		2.0	0.92	ug/L			05/09/19 10:36	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			05/09/19 10:36	2
Vinyl chloride	ND		2.0	1.8	ug/L			05/09/19 10:36	2
Xylenes, Total	ND		4.0	1.3	ug/L			05/09/19 10:36	2

Client Sample ID: WCS04_043019
Lab Sample ID: 480-152739-4

Date Collected: 04/30/19 11:20
Matrix: Water
Date Received: 05/01/19 01:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*05/09/19 10:36*	*2*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*05/09/19 10:36*	*2*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*05/09/19 10:36*	*2*
Toluene-d8 (Surr)	*96*		*80 - 120*		*05/09/19 10:36*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/06/19 08:19	05/07/19 22:04	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/06/19 08:19	05/07/19 22:04	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/06/19 08:19	05/07/19 22:04	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/06/19 08:19	05/07/19 22:04	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/06/19 08:19	05/07/19 22:04	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/06/19 08:19	05/07/19 22:04	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/06/19 08:19	05/07/19 22:04	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/06/19 08:19	05/07/19 22:04	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/06/19 08:19	05/07/19 22:04	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/06/19 08:19	05/07/19 22:04	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/06/19 08:19	05/07/19 22:04	1
2-Nitroaniline	ND		10	0.42	ug/L		05/06/19 08:19	05/07/19 22:04	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/06/19 08:19	05/07/19 22:04	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/06/19 08:19	05/07/19 22:04	1
3-Nitroaniline	ND		10	0.48	ug/L		05/06/19 08:19	05/07/19 22:04	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/06/19 08:19	05/07/19 22:04	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/06/19 08:19	05/07/19 22:04	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/06/19 08:19	05/07/19 22:04	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/06/19 08:19	05/07/19 22:04	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/06/19 08:19	05/07/19 22:04	1
4-Methylphenol	**2.0**	**J**	10	0.36	ug/L		05/06/19 08:19	05/07/19 22:04	1
4-Nitroaniline	ND		10	0.25	ug/L		05/06/19 08:19	05/07/19 22:04	1
4-Nitrophenol	ND		10	1.5	ug/L		05/06/19 08:19	05/07/19 22:04	1
Acenaphthene	ND		5.0	0.41	ug/L		05/06/19 08:19	05/07/19 22:04	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/06/19 08:19	05/07/19 22:04	1
Acetophenone	ND		5.0	0.54	ug/L		05/06/19 08:19	05/07/19 22:04	1
Anthracene	ND		5.0	0.28	ug/L		05/06/19 08:19	05/07/19 22:04	1
Atrazine	ND		5.0	0.46	ug/L		05/06/19 08:19	05/07/19 22:04	1
Benzaldehyde	ND		5.0	0.27	ug/L		05/06/19 08:19	05/07/19 22:04	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		05/06/19 08:19	05/07/19 22:04	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		05/06/19 08:19	05/07/19 22:04	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		05/06/19 08:19	05/07/19 22:04	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		05/06/19 08:19	05/07/19 22:04	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		05/06/19 08:19	05/07/19 22:04	1
Biphenyl	ND		5.0	0.65	ug/L		05/06/19 08:19	05/07/19 22:04	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/06/19 08:19	05/07/19 22:04	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/06/19 08:19	05/07/19 22:04	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/06/19 08:19	05/07/19 22:04	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/06/19 08:19	05/07/19 22:04	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/06/19 08:19	05/07/19 22:04	1
Caprolactam	ND		5.0	2.2	ug/L		05/06/19 08:19	05/07/19 22:04	1
Carbazole	ND		5.0	0.30	ug/L		05/06/19 08:19	05/07/19 22:04	1
Chrysene	ND		5.0	0.33	ug/L		05/06/19 08:19	05/07/19 22:04	1

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Date Collected: 04/30/19 11:20
Matrix: Water

Date Received: 05/01/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/06/19 08:19	05/07/19 22:04	1
Dibenzofuran	ND		10	0.51	ug/L		05/06/19 08:19	05/07/19 22:04	1
Diethyl phthalate	**2.6**	**J**	5.0	0.22	ug/L		05/06/19 08:19	05/07/19 22:04	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/06/19 08:19	05/07/19 22:04	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/06/19 08:19	05/07/19 22:04	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/06/19 08:19	05/07/19 22:04	1
Fluoranthene	ND		5.0	0.40	ug/L		05/06/19 08:19	05/07/19 22:04	1
Fluorene	ND		5.0	0.36	ug/L		05/06/19 08:19	05/07/19 22:04	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/06/19 08:19	05/07/19 22:04	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/06/19 08:19	05/07/19 22:04	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/06/19 08:19	05/07/19 22:04	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/06/19 08:19	05/07/19 22:04	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		05/06/19 08:19	05/07/19 22:04	1
Isophorone	ND		5.0	0.43	ug/L		05/06/19 08:19	05/07/19 22:04	1
Naphthalene	ND		5.0	0.76	ug/L		05/06/19 08:19	05/07/19 22:04	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/06/19 08:19	05/07/19 22:04	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/06/19 08:19	05/07/19 22:04	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/06/19 08:19	05/07/19 22:04	1
Pentachlorophenol	ND		10	2.2	ug/L		05/06/19 08:19	05/07/19 22:04	1
Phenanthrene	ND		5.0	0.44	ug/L		05/06/19 08:19	05/07/19 22:04	1
Phenol	**1.2**	**J**	5.0	0.39	ug/L		05/06/19 08:19	05/07/19 22:04	1
Pyrene	ND		5.0	0.34	ug/L		05/06/19 08:19	05/07/19 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*107*		*41 - 120*	*05/06/19 08:19*	*05/07/19 22:04*	*1*
2-Fluorobiphenyl	*94*		*48 - 120*	*05/06/19 08:19*	*05/07/19 22:04*	*1*
2-Fluorophenol	*69*		*35 - 120*	*05/06/19 08:19*	*05/07/19 22:04*	*1*
Nitrobenzene-d5	*85*		*46 - 120*	*05/06/19 08:19*	*05/07/19 22:04*	*1*
Phenol-d5	*48*		*22 - 120*	*05/06/19 08:19*	*05/07/19 22:04*	*1*
p-Terphenyl-d14	*72*		*59 - 136*	*05/06/19 08:19*	*05/07/19 22:04*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		05/06/19 15:05	05/07/19 18:51	1
4,4'-DDE	ND		0.050	0.012	ug/L		05/06/19 15:05	05/07/19 18:51	1
4,4'-DDT	ND		0.050	0.011	ug/L		05/06/19 15:05	05/07/19 18:51	1
Aldrin	ND		0.050	0.0081	ug/L		05/06/19 15:05	05/07/19 18:51	1
alpha-BHC	ND		0.050	0.0077	ug/L		05/06/19 15:05	05/07/19 18:51	1
beta-BHC	ND		0.050	0.025	ug/L		05/06/19 15:05	05/07/19 18:51	1
cis-Chlordane	ND		0.050	0.015	ug/L		05/06/19 15:05	05/07/19 18:51	1
delta-BHC	ND		0.050	0.010	ug/L		05/06/19 15:05	05/07/19 18:51	1
Dieldrin	ND		0.050	0.0098	ug/L		05/06/19 15:05	05/07/19 18:51	1
Endosulfan I	ND		0.050	0.011	ug/L		05/06/19 15:05	05/07/19 18:51	1
Endosulfan II	ND		0.050	0.012	ug/L		05/06/19 15:05	05/07/19 18:51	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		05/06/19 15:05	05/07/19 18:51	1
Endrin	ND		0.050	0.014	ug/L		05/06/19 15:05	05/07/19 18:51	1
Endrin aldehyde	ND		0.050	0.016	ug/L		05/06/19 15:05	05/07/19 18:51	1
Endrin ketone	ND		0.050	0.012	ug/L		05/06/19 15:05	05/07/19 18:51	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		05/06/19 15:05	05/07/19 18:51	1
Heptachlor	ND		0.050	0.0085	ug/L		05/06/19 15:05	05/07/19 18:51	1

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Matrix: Water

Date Received: 05/01/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	ND		0.050	0.0074	ug/L		05/06/19 15:05	05/07/19 18:51	1
Methoxychlor	ND		0.050	0.014	ug/L		05/06/19 15:05	05/07/19 18:51	1
Toxaphene	ND		0.50	0.12	ug/L		05/06/19 15:05	05/07/19 18:51	1
trans-Chlordane	ND		0.050	0.011	ug/L		05/06/19 15:05	05/07/19 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*20 - 120*	*05/06/19 15:05*	*05/07/19 18:51*	*1*
DCB Decachlorobiphenyl	*76*		*20 - 120*	*05/06/19 15:05*	*05/07/19 18:51*	*1*
Tetrachloro-m-xylene	*56*		*44 - 120*	*05/06/19 15:05*	*05/07/19 18:51*	*1*
Tetrachloro-m-xylene	*59*		*44 - 120*	*05/06/19 15:05*	*05/07/19 18:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/02/19 14:58	05/06/19 21:59	1
PCB-1221	ND		0.50	0.18	ug/L		05/02/19 14:58	05/06/19 21:59	1
PCB-1232	ND		0.50	0.18	ug/L		05/02/19 14:58	05/06/19 21:59	1
PCB-1242	ND		0.50	0.18	ug/L		05/02/19 14:58	05/06/19 21:59	1
PCB-1248	ND		0.50	0.18	ug/L		05/02/19 14:58	05/06/19 21:59	1
PCB-1254	ND		0.50	0.25	ug/L		05/02/19 14:58	05/06/19 21:59	1
PCB-1260	ND		0.50	0.25	ug/L		05/02/19 14:58	05/06/19 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*19 - 120*	*05/02/19 14:58*	*05/06/19 21:59*	*1*
DCB Decachlorobiphenyl	*29*		*19 - 120*	*05/02/19 14:58*	*05/06/19 21:59*	*1*
Tetrachloro-m-xylene	*65*		*39 - 121*	*05/02/19 14:58*	*05/06/19 21:59*	*1*
Tetrachloro-m-xylene	*56*		*39 - 121*	*05/02/19 14:58*	*05/06/19 21:59*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		0.48	0.17	ug/L		05/03/19 10:49	05/06/19 15:43	1
Silvex (2,4,5-TP)	ND		0.48	0.048	ug/L		05/03/19 10:49	05/06/19 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*50*		*48 - 132*	*05/03/19 10:49*	*05/06/19 15:43*	*1*
2,4-Dichlorophenylacetic acid	*44*	*X*	*48 - 132*	*05/03/19 10:49*	*05/06/19 15:43*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.22**		0.20	0.060	mg/L		05/08/19 08:09	05/16/19 15:14	1
Antimony	ND		0.020	0.0068	mg/L		05/08/19 08:09	05/14/19 14:13	1
Arsenic	ND		0.015	0.0056	mg/L		05/08/19 08:09	05/14/19 14:13	1
Barium	**0.052**		0.0020	0.00070	mg/L		05/08/19 08:09	05/14/19 14:13	1
Beryllium	ND		0.0020	0.00030	mg/L		05/08/19 08:09	05/14/19 14:13	1
Cadmium	ND		0.0020	0.00050	mg/L		05/08/19 08:09	05/14/19 14:13	1
Calcium	**116**		0.50	0.10	mg/L		05/08/19 08:09	05/14/19 14:13	1
Chromium	ND		0.0040	0.0010	mg/L		05/08/19 08:09	05/14/19 14:13	1
Cobalt	ND		0.0040	0.00063	mg/L		05/08/19 08:09	05/14/19 14:13	1
Copper	**0.0022**	**J**	0.010	0.0016	mg/L		05/08/19 08:09	05/14/19 14:13	1
Iron	**1.2**		0.050	0.019	mg/L		05/08/19 08:09	05/14/19 14:13	1
Lead	ND		0.010	0.0030	mg/L		05/08/19 08:09	05/14/19 14:13	1
Magnesium	**67.1**		0.20	0.043	mg/L		05/08/19 08:09	05/14/19 14:13	1

Client Sample ID: WCS04_043019
Lab Sample ID: 480-152739-4
Date Collected: 04/30/19 11:20
Matrix: Water
Date Received: 05/01/19 01:00

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	**0.039**	**B**	0.0030	0.00040	mg/L		05/08/19 08:09	05/14/19 14:13	1
Nickel	**0.0034**	**J**	0.010	0.0013	mg/L		05/08/19 08:09	05/14/19 14:13	1
Potassium	**14.0**		0.50	0.10	mg/L		05/08/19 08:09	05/14/19 14:13	1
Selenium	ND		0.025	0.0087	mg/L		05/08/19 08:09	05/14/19 14:13	1
Silver	ND		0.0060	0.0017	mg/L		05/08/19 08:09	05/14/19 14:13	1
Sodium	**123**		1.0	0.32	mg/L		05/08/19 08:09	05/14/19 14:13	1
Thallium	ND		0.020	0.010	mg/L		05/08/19 08:09	05/14/19 14:13	1
Vanadium	ND		0.0050	0.0015	mg/L		05/08/19 08:09	05/14/19 14:13	1
Zinc	**0.0026**	**J**	0.010	0.0015	mg/L		05/08/19 08:09	05/14/19 14:13	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/02/19 12:00	05/02/19 15:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Reactive Cyanide	ND		10.0	10.0	mg/L		05/12/19 09:15	05/13/19 11:42	1
Cyanide	ND		0.010	0.0050	mg/L		05/12/19 16:07	05/13/19 11:32	1
Reactive Sulfide	ND		10.0	10.0	mg/L		05/12/19 09:15	05/13/19 13:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>180**		50.0	50.0	Degrees F			05/15/19 09:40	1
pH	**7.61**	**HF**	0.100	0.100	SU			05/16/19 14:28	1
Temperature	**19.4**	**HF**	0.00100	0.00100	Degrees C			05/16/19 14:28	1

Client Sample ID: WCS05_043019
Lab Sample ID: 480-152739-5
Date Collected: 04/30/19 12:00
Matrix: Water
Date Received: 05/01/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**2.8**		2.0	1.6	ug/L			05/09/19 10:59	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			05/09/19 10:59	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			05/09/19 10:59	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			05/09/19 10:59	2
1,1-Dichloroethane	**3.7**		2.0	0.76	ug/L			05/09/19 10:59	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			05/09/19 10:59	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			05/09/19 10:59	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			05/09/19 10:59	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			05/09/19 10:59	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			05/09/19 10:59	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			05/09/19 10:59	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			05/09/19 10:59	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			05/09/19 10:59	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			05/09/19 10:59	2
2-Butanone (MEK)	**3.8**	**J**	20	2.6	ug/L			05/09/19 10:59	2
2-Hexanone	ND		10	2.5	ug/L			05/09/19 10:59	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			05/09/19 10:59	2
Acetone	**15**	**J**	20	6.0	ug/L			05/09/19 10:59	2
Benzene	ND		2.0	0.82	ug/L			05/09/19 10:59	2
Bromodichloromethane	ND		2.0	0.78	ug/L			05/09/19 10:59	2

Client Sample ID: WCS05_043019
Lab Sample ID: 480-152739-5

Date Collected: 04/30/19 12:00
Matrix: Water

Date Received: 05/01/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		2.0	0.52	ug/L			05/09/19 10:59	2
Bromomethane	ND		2.0	1.4	ug/L			05/09/19 10:59	2
Carbon disulfide	ND		2.0	0.38	ug/L			05/09/19 10:59	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			05/09/19 10:59	2
Chlorobenzene	ND		2.0	1.5	ug/L			05/09/19 10:59	2
Chloroethane	ND		2.0	0.64	ug/L			05/09/19 10:59	2
Chloroform	**1.0**	**J**	2.0	0.68	ug/L			05/09/19 10:59	2
Chloromethane	ND		2.0	0.70	ug/L			05/09/19 10:59	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			05/09/19 10:59	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			05/09/19 10:59	2
Cyclohexane	ND		2.0	0.36	ug/L			05/09/19 10:59	2
Dibromochloromethane	ND		2.0	0.64	ug/L			05/09/19 10:59	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			05/09/19 10:59	2
Ethylbenzene	ND		2.0	1.5	ug/L			05/09/19 10:59	2
Isopropylbenzene	ND		2.0	1.6	ug/L			05/09/19 10:59	2
Methyl acetate	**10**		5.0	2.6	ug/L			05/09/19 10:59	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			05/09/19 10:59	2
Methylcyclohexane	ND		2.0	0.32	ug/L			05/09/19 10:59	2
Methylene Chloride	ND		2.0	0.88	ug/L			05/09/19 10:59	2
Styrene	ND		2.0	1.5	ug/L			05/09/19 10:59	2
Tetrachloroethene	ND		2.0	0.72	ug/L			05/09/19 10:59	2
Toluene	**4.4**		2.0	1.0	ug/L			05/09/19 10:59	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			05/09/19 10:59	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			05/09/19 10:59	2
Trichloroethene	ND		2.0	0.92	ug/L			05/09/19 10:59	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			05/09/19 10:59	2
Vinyl chloride	ND		2.0	1.8	ug/L			05/09/19 10:59	2
Xylenes, Total	ND		4.0	1.3	ug/L			05/09/19 10:59	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*05/09/19 10:59*	*2*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*05/09/19 10:59*	*2*
Dibromofluoromethane (Surr)	*90*		*75 - 123*		*05/09/19 10:59*	*2*
Toluene-d8 (Surr)	*95*		*80 - 120*		*05/09/19 10:59*	*2*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/06/19 08:19	05/07/19 22:33	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/06/19 08:19	05/07/19 22:33	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/06/19 08:19	05/07/19 22:33	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/06/19 08:19	05/07/19 22:33	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/06/19 08:19	05/07/19 22:33	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/06/19 08:19	05/07/19 22:33	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/06/19 08:19	05/07/19 22:33	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/06/19 08:19	05/07/19 22:33	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/06/19 08:19	05/07/19 22:33	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/06/19 08:19	05/07/19 22:33	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/06/19 08:19	05/07/19 22:33	1
2-Nitroaniline	ND		10	0.42	ug/L		05/06/19 08:19	05/07/19 22:33	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/06/19 08:19	05/07/19 22:33	1

Client Sample ID: WCS05_043019
Lab Sample ID: 480-152739-5

Date Collected: 04/30/19 12:00
Matrix: Water
Date Received: 05/01/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/06/19 08:19	05/07/19 22:33	1
3-Nitroaniline	ND		10	0.48	ug/L		05/06/19 08:19	05/07/19 22:33	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/06/19 08:19	05/07/19 22:33	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/06/19 08:19	05/07/19 22:33	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/06/19 08:19	05/07/19 22:33	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/06/19 08:19	05/07/19 22:33	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/06/19 08:19	05/07/19 22:33	1
4-Methylphenol	ND		10	0.36	ug/L		05/06/19 08:19	05/07/19 22:33	1
4-Nitroaniline	ND		10	0.25	ug/L		05/06/19 08:19	05/07/19 22:33	1
4-Nitrophenol	ND		10	1.5	ug/L		05/06/19 08:19	05/07/19 22:33	1
Acenaphthene	ND		5.0	0.41	ug/L		05/06/19 08:19	05/07/19 22:33	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/06/19 08:19	05/07/19 22:33	1
Acetophenone	ND		5.0	0.54	ug/L		05/06/19 08:19	05/07/19 22:33	1
Anthracene	ND		5.0	0.28	ug/L		05/06/19 08:19	05/07/19 22:33	1
Atrazine	ND		5.0	0.46	ug/L		05/06/19 08:19	05/07/19 22:33	1
Benzaldehyde	**0.30**	**J**	5.0	0.27	ug/L		05/06/19 08:19	05/07/19 22:33	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		05/06/19 08:19	05/07/19 22:33	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		05/06/19 08:19	05/07/19 22:33	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		05/06/19 08:19	05/07/19 22:33	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		05/06/19 08:19	05/07/19 22:33	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		05/06/19 08:19	05/07/19 22:33	1
Biphenyl	ND		5.0	0.65	ug/L		05/06/19 08:19	05/07/19 22:33	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/06/19 08:19	05/07/19 22:33	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/06/19 08:19	05/07/19 22:33	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/06/19 08:19	05/07/19 22:33	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/06/19 08:19	05/07/19 22:33	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/06/19 08:19	05/07/19 22:33	1
Caprolactam	ND		5.0	2.2	ug/L		05/06/19 08:19	05/07/19 22:33	1
Carbazole	ND		5.0	0.30	ug/L		05/06/19 08:19	05/07/19 22:33	1
Chrysene	ND		5.0	0.33	ug/L		05/06/19 08:19	05/07/19 22:33	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/06/19 08:19	05/07/19 22:33	1
Dibenzofuran	ND		10	0.51	ug/L		05/06/19 08:19	05/07/19 22:33	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/06/19 08:19	05/07/19 22:33	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/06/19 08:19	05/07/19 22:33	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/06/19 08:19	05/07/19 22:33	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/06/19 08:19	05/07/19 22:33	1
Fluoranthene	ND		5.0	0.40	ug/L		05/06/19 08:19	05/07/19 22:33	1
Fluorene	ND		5.0	0.36	ug/L		05/06/19 08:19	05/07/19 22:33	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/06/19 08:19	05/07/19 22:33	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/06/19 08:19	05/07/19 22:33	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/06/19 08:19	05/07/19 22:33	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/06/19 08:19	05/07/19 22:33	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		05/06/19 08:19	05/07/19 22:33	1
Isophorone	ND		5.0	0.43	ug/L		05/06/19 08:19	05/07/19 22:33	1
Naphthalene	ND		5.0	0.76	ug/L		05/06/19 08:19	05/07/19 22:33	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/06/19 08:19	05/07/19 22:33	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/06/19 08:19	05/07/19 22:33	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/06/19 08:19	05/07/19 22:33	1
Pentachlorophenol	ND		10	2.2	ug/L		05/06/19 08:19	05/07/19 22:33	1

Client Sample ID: WCS05_043019
Lab Sample ID: 480-152739-5

Date Collected: 04/30/19 12:00
Matrix: Water
Date Received: 05/01/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		5.0	0.44	ug/L		05/06/19 08:19	05/07/19 22:33	1
Phenol	**1.2**	**J**	5.0	0.39	ug/L		05/06/19 08:19	05/07/19 22:33	1
Pyrene	ND		5.0	0.34	ug/L		05/06/19 08:19	05/07/19 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*102*		*41 - 120*	*05/06/19 08:19*	*05/07/19 22:33*	*1*
2-Fluorobiphenyl	*96*		*48 - 120*	*05/06/19 08:19*	*05/07/19 22:33*	*1*
2-Fluorophenol	*72*		*35 - 120*	*05/06/19 08:19*	*05/07/19 22:33*	*1*
Nitrobenzene-d5	*85*		*46 - 120*	*05/06/19 08:19*	*05/07/19 22:33*	*1*
Phenol-d5	*50*		*22 - 120*	*05/06/19 08:19*	*05/07/19 22:33*	*1*
p-Terphenyl-d14	*97*		*59 - 136*	*05/06/19 08:19*	*05/07/19 22:33*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		05/06/19 15:05	05/07/19 19:11	1
4,4'-DDE	ND		0.050	0.012	ug/L		05/06/19 15:05	05/07/19 19:11	1
4,4'-DDT	ND		0.050	0.011	ug/L		05/06/19 15:05	05/07/19 19:11	1
Aldrin	ND		0.050	0.0081	ug/L		05/06/19 15:05	05/07/19 19:11	1
alpha-BHC	ND		0.050	0.0077	ug/L		05/06/19 15:05	05/07/19 19:11	1
beta-BHC	ND		0.050	0.025	ug/L		05/06/19 15:05	05/07/19 19:11	1
cis-Chlordane	ND		0.050	0.015	ug/L		05/06/19 15:05	05/07/19 19:11	1
delta-BHC	ND		0.050	0.010	ug/L		05/06/19 15:05	05/07/19 19:11	1
Dieldrin	ND		0.050	0.0098	ug/L		05/06/19 15:05	05/07/19 19:11	1
Endosulfan I	ND		0.050	0.011	ug/L		05/06/19 15:05	05/07/19 19:11	1
Endosulfan II	ND		0.050	0.012	ug/L		05/06/19 15:05	05/07/19 19:11	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		05/06/19 15:05	05/07/19 19:11	1
Endrin	ND		0.050	0.014	ug/L		05/06/19 15:05	05/07/19 19:11	1
Endrin aldehyde	ND		0.050	0.016	ug/L		05/06/19 15:05	05/07/19 19:11	1
Endrin ketone	ND		0.050	0.012	ug/L		05/06/19 15:05	05/07/19 19:11	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		05/06/19 15:05	05/07/19 19:11	1
Heptachlor	ND		0.050	0.0085	ug/L		05/06/19 15:05	05/07/19 19:11	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		05/06/19 15:05	05/07/19 19:11	1
Methoxychlor	ND		0.050	0.014	ug/L		05/06/19 15:05	05/07/19 19:11	1
Toxaphene	ND		0.50	0.12	ug/L		05/06/19 15:05	05/07/19 19:11	1
trans-Chlordane	ND		0.050	0.011	ug/L		05/06/19 15:05	05/07/19 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*20 - 120*	*05/06/19 15:05*	*05/07/19 19:11*	*1*
DCB Decachlorobiphenyl	*74*		*20 - 120*	*05/06/19 15:05*	*05/07/19 19:11*	*1*
Tetrachloro-m-xylene	*80*		*44 - 120*	*05/06/19 15:05*	*05/07/19 19:11*	*1*
Tetrachloro-m-xylene	*71*		*44 - 120*	*05/06/19 15:05*	*05/07/19 19:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/02/19 14:58	05/06/19 22:15	1
PCB-1221	ND		0.50	0.18	ug/L		05/02/19 14:58	05/06/19 22:15	1
PCB-1232	ND		0.50	0.18	ug/L		05/02/19 14:58	05/06/19 22:15	1
PCB-1242	**0.35**	**J**	0.50	0.18	ug/L		05/02/19 14:58	05/06/19 22:15	1
PCB-1248	ND		0.50	0.18	ug/L		05/02/19 14:58	05/06/19 22:15	1
PCB-1254	ND		0.50	0.25	ug/L		05/02/19 14:58	05/06/19 22:15	1

Client Sample ID: WCS05_043019
Lab Sample ID: 480-152739-5

Date Collected: 04/30/19 12:00
Matrix: Water
Date Received: 05/01/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.50	0.25	ug/L		05/02/19 14:58	05/06/19 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*37*		*19 - 120*	*05/02/19 14:58*	*05/06/19 22:15*	*1*
DCB Decachlorobiphenyl	*23*		*19 - 120*	*05/02/19 14:58*	*05/06/19 22:15*	*1*
Tetrachloro-m-xylene	*81*		*39 - 121*	*05/02/19 14:58*	*05/06/19 22:15*	*1*
Tetrachloro-m-xylene	*63*		*39 - 121*	*05/02/19 14:58*	*05/06/19 22:15*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		0.48	0.16	ug/L		05/03/19 10:49	05/06/19 16:13	1
Silvex (2,4,5-TP)	ND		0.48	0.048	ug/L		05/03/19 10:49	05/06/19 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*63*		*48 - 132*	*05/03/19 10:49*	*05/06/19 16:13*	*1*
2,4-Dichlorophenylacetic acid	*51*		*48 - 132*	*05/03/19 10:49*	*05/06/19 16:13*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**0.13**	**J ^**	0.20	0.060	mg/L		05/08/19 08:09	05/14/19 14:28	1
Antimony	ND		0.020	0.0068	mg/L		05/08/19 08:09	05/14/19 14:28	1
Arsenic	ND		0.015	0.0056	mg/L		05/08/19 08:09	05/14/19 14:28	1
Barium	**0.015**		0.0020	0.00070	mg/L		05/08/19 08:09	05/14/19 14:28	1
Beryllium	ND		0.0020	0.00030	mg/L		05/08/19 08:09	05/14/19 14:28	1
Cadmium	ND		0.0020	0.00050	mg/L		05/08/19 08:09	05/14/19 14:28	1
Calcium	**28.3**		0.50	0.10	mg/L		05/08/19 08:09	05/14/19 14:28	1
Chromium	ND		0.0040	0.0010	mg/L		05/08/19 08:09	05/14/19 14:28	1
Cobalt	ND		0.0040	0.00063	mg/L		05/08/19 08:09	05/14/19 14:28	1
Copper	ND		0.010	0.0016	mg/L		05/08/19 08:09	05/14/19 14:28	1
Iron	**1.0**		0.050	0.019	mg/L		05/08/19 08:09	05/14/19 14:28	1
Lead	ND		0.010	0.0030	mg/L		05/08/19 08:09	05/14/19 14:28	1
Magnesium	**7.3**		0.20	0.043	mg/L		05/08/19 08:09	05/14/19 14:28	1
Manganese	**0.0069**	**B**	0.0030	0.00040	mg/L		05/08/19 08:09	05/14/19 14:28	1
Nickel	**0.0052**	**J**	0.010	0.0013	mg/L		05/08/19 08:09	05/14/19 14:28	1
Potassium	**16.6**		0.50	0.10	mg/L		05/08/19 08:09	05/14/19 14:28	1
Selenium	ND		0.025	0.0087	mg/L		05/08/19 08:09	05/14/19 14:28	1
Silver	ND		0.0060	0.0017	mg/L		05/08/19 08:09	05/14/19 14:28	1
Sodium	**86.2**		1.0	0.32	mg/L		05/08/19 08:09	05/14/19 14:28	1
Thallium	ND		0.020	0.010	mg/L		05/08/19 08:09	05/14/19 14:28	1
Vanadium	ND		0.0050	0.0015	mg/L		05/08/19 08:09	05/14/19 14:28	1
Zinc	**0.0025**	**J**	0.010	0.0015	mg/L		05/08/19 08:09	05/14/19 14:28	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/02/19 12:00	05/02/19 15:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Reactive Cyanide	ND		10.0	10.0	mg/L		05/12/19 09:15	05/13/19 11:42	1
Cyanide	ND		0.010	0.0050	mg/L		05/12/19 16:07	05/13/19 11:33	1
Reactive Sulfide	ND		10.0	10.0	mg/L		05/12/19 09:15	05/13/19 13:40	1

Client Sample ID: WCS05_043019
Lab Sample ID: 480-152739-5

Date Collected: 04/30/19 12:00
Matrix: Water
Date Received: 05/01/19 01:00

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>176**		50.0	50.0	Degrees F			05/16/19 13:20	1
pH	**9.32**	**HF**	0.100	0.100	SU			05/16/19 14:31	1
Temperature	**19.6**	**HF**	0.00100	0.00100	Degrees C			05/16/19 14:31	1

Client Sample ID: WCS06_043019
Lab Sample ID: 480-152739-6

Date Collected: 04/30/19 12:45
Matrix: Water
Date Received: 05/01/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.85**	**J**	1.0	0.82	ug/L			05/09/19 11:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/19 11:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/09/19 11:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/19 11:22	1
1,1-Dichloroethane	**0.72**	**J**	1.0	0.38	ug/L			05/09/19 11:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/09/19 11:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/09/19 11:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/09/19 11:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/09/19 11:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/09/19 11:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/19 11:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/19 11:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/09/19 11:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/09/19 11:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/19 11:22	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/19 11:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/19 11:22	1
Acetone	**5.7**	**J**	10	3.0	ug/L			05/09/19 11:22	1
Benzene	ND		1.0	0.41	ug/L			05/09/19 11:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/19 11:22	1
Bromoform	ND		1.0	0.26	ug/L			05/09/19 11:22	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/19 11:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/19 11:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/19 11:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/19 11:22	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/19 11:22	1
Chloroform	ND		1.0	0.34	ug/L			05/09/19 11:22	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/19 11:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/09/19 11:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/19 11:22	1
Cyclohexane	ND		1.0	0.18	ug/L			05/09/19 11:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/19 11:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/09/19 11:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/19 11:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/09/19 11:22	1
Methyl acetate	ND		2.5	1.3	ug/L			05/09/19 11:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/09/19 11:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/09/19 11:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/19 11:22	1
Styrene	ND		1.0	0.73	ug/L			05/09/19 11:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/09/19 11:22	1

Client Sample ID: WCS06_043019
Date Collected: 04/30/19 12:45
Date Received: 05/01/19 01:00

Lab Sample ID: 480-152739-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.51	ug/L			05/09/19 11:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/19 11:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/19 11:22	1
Trichloroethene	ND		1.0	0.46	ug/L			05/09/19 11:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/09/19 11:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/19 11:22	1
Xylenes, Total	**0.71**	**J**	2.0	0.66	ug/L			05/09/19 11:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*05/09/19 11:22*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*05/09/19 11:22*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 123*		*05/09/19 11:22*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*05/09/19 11:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		05/06/19 08:19	05/07/19 23:02	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		05/06/19 08:19	05/07/19 23:02	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		05/06/19 08:19	05/07/19 23:02	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		05/06/19 08:19	05/07/19 23:02	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		05/06/19 08:19	05/07/19 23:02	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		05/06/19 08:19	05/07/19 23:02	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		05/06/19 08:19	05/07/19 23:02	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		05/06/19 08:19	05/07/19 23:02	1
2-Chlorophenol	ND		5.0	0.53	ug/L		05/06/19 08:19	05/07/19 23:02	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		05/06/19 08:19	05/07/19 23:02	1
2-Methylphenol	ND		5.0	0.40	ug/L		05/06/19 08:19	05/07/19 23:02	1
2-Nitroaniline	ND		10	0.42	ug/L		05/06/19 08:19	05/07/19 23:02	1
2-Nitrophenol	ND		5.0	0.48	ug/L		05/06/19 08:19	05/07/19 23:02	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		05/06/19 08:19	05/07/19 23:02	1
3-Nitroaniline	ND		10	0.48	ug/L		05/06/19 08:19	05/07/19 23:02	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		05/06/19 08:19	05/07/19 23:02	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		05/06/19 08:19	05/07/19 23:02	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		05/06/19 08:19	05/07/19 23:02	1
4-Chloroaniline	ND		5.0	0.59	ug/L		05/06/19 08:19	05/07/19 23:02	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		05/06/19 08:19	05/07/19 23:02	1
4-Methylphenol	ND		10	0.36	ug/L		05/06/19 08:19	05/07/19 23:02	1
4-Nitroaniline	ND		10	0.25	ug/L		05/06/19 08:19	05/07/19 23:02	1
4-Nitrophenol	ND		10	1.5	ug/L		05/06/19 08:19	05/07/19 23:02	1
Acenaphthene	ND		5.0	0.41	ug/L		05/06/19 08:19	05/07/19 23:02	1
Acenaphthylene	ND		5.0	0.38	ug/L		05/06/19 08:19	05/07/19 23:02	1
Acetophenone	ND		5.0	0.54	ug/L		05/06/19 08:19	05/07/19 23:02	1
Anthracene	ND		5.0	0.28	ug/L		05/06/19 08:19	05/07/19 23:02	1
Atrazine	ND		5.0	0.46	ug/L		05/06/19 08:19	05/07/19 23:02	1
Benzaldehyde	ND		5.0	0.27	ug/L		05/06/19 08:19	05/07/19 23:02	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		05/06/19 08:19	05/07/19 23:02	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		05/06/19 08:19	05/07/19 23:02	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		05/06/19 08:19	05/07/19 23:02	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		05/06/19 08:19	05/07/19 23:02	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		05/06/19 08:19	05/07/19 23:02	1

Client Sample ID: WCS06_043019
Lab Sample ID: 480-152739-6

Date Collected: 04/30/19 12:45
Matrix: Water

Date Received: 05/01/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		05/06/19 08:19	05/07/19 23:02	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		05/06/19 08:19	05/07/19 23:02	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		05/06/19 08:19	05/07/19 23:02	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		05/06/19 08:19	05/07/19 23:02	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		05/06/19 08:19	05/07/19 23:02	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		05/06/19 08:19	05/07/19 23:02	1
Caprolactam	ND		5.0	2.2	ug/L		05/06/19 08:19	05/07/19 23:02	1
Carbazole	ND		5.0	0.30	ug/L		05/06/19 08:19	05/07/19 23:02	1
Chrysene	ND		5.0	0.33	ug/L		05/06/19 08:19	05/07/19 23:02	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		05/06/19 08:19	05/07/19 23:02	1
Dibenzofuran	ND		10	0.51	ug/L		05/06/19 08:19	05/07/19 23:02	1
Diethyl phthalate	ND		5.0	0.22	ug/L		05/06/19 08:19	05/07/19 23:02	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		05/06/19 08:19	05/07/19 23:02	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		05/06/19 08:19	05/07/19 23:02	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		05/06/19 08:19	05/07/19 23:02	1
Fluoranthene	ND		5.0	0.40	ug/L		05/06/19 08:19	05/07/19 23:02	1
Fluorene	ND		5.0	0.36	ug/L		05/06/19 08:19	05/07/19 23:02	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		05/06/19 08:19	05/07/19 23:02	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		05/06/19 08:19	05/07/19 23:02	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		05/06/19 08:19	05/07/19 23:02	1
Hexachloroethane	ND		5.0	0.59	ug/L		05/06/19 08:19	05/07/19 23:02	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		05/06/19 08:19	05/07/19 23:02	1
Isophorone	ND		5.0	0.43	ug/L		05/06/19 08:19	05/07/19 23:02	1
Naphthalene	ND		5.0	0.76	ug/L		05/06/19 08:19	05/07/19 23:02	1
Nitrobenzene	ND		5.0	0.29	ug/L		05/06/19 08:19	05/07/19 23:02	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		05/06/19 08:19	05/07/19 23:02	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		05/06/19 08:19	05/07/19 23:02	1
Pentachlorophenol	ND		10	2.2	ug/L		05/06/19 08:19	05/07/19 23:02	1
Phenanthrene	ND		5.0	0.44	ug/L		05/06/19 08:19	05/07/19 23:02	1
Phenol	**0.74**	**J**	5.0	0.39	ug/L		05/06/19 08:19	05/07/19 23:02	1
Pyrene	ND		5.0	0.34	ug/L		05/06/19 08:19	05/07/19 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*92*		*41 - 120*	*05/06/19 08:19*	*05/07/19 23:02*	*1*
2-Fluorobiphenyl	*94*		*48 - 120*	*05/06/19 08:19*	*05/07/19 23:02*	*1*
2-Fluorophenol	*67*		*35 - 120*	*05/06/19 08:19*	*05/07/19 23:02*	*1*
Nitrobenzene-d5	*81*		*46 - 120*	*05/06/19 08:19*	*05/07/19 23:02*	*1*
Phenol-d5	*45*		*22 - 120*	*05/06/19 08:19*	*05/07/19 23:02*	*1*
p-Terphenyl-d14	*93*		*59 - 136*	*05/06/19 08:19*	*05/07/19 23:02*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		05/06/19 15:05	05/07/19 19:30	1
4,4'-DDE	ND		0.050	0.012	ug/L		05/06/19 15:05	05/07/19 19:30	1
4,4'-DDT	ND		0.050	0.011	ug/L		05/06/19 15:05	05/07/19 19:30	1
Aldrin	ND		0.050	0.0081	ug/L		05/06/19 15:05	05/07/19 19:30	1
alpha-BHC	ND		0.050	0.0077	ug/L		05/06/19 15:05	05/07/19 19:30	1
beta-BHC	ND		0.050	0.025	ug/L		05/06/19 15:05	05/07/19 19:30	1
cis-Chlordane	ND		0.050	0.015	ug/L		05/06/19 15:05	05/07/19 19:30	1
delta-BHC	ND		0.050	0.010	ug/L		05/06/19 15:05	05/07/19 19:30	1

Client Sample ID: WCS06_043019
Lab Sample ID: 480-152739-6

Date Collected: 04/30/19 12:45
Matrix: Water

Date Received: 05/01/19 01:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND		0.050	0.0098	ug/L		05/06/19 15:05	05/07/19 19:30	1
Endosulfan I	ND		0.050	0.011	ug/L		05/06/19 15:05	05/07/19 19:30	1
Endosulfan II	ND		0.050	0.012	ug/L		05/06/19 15:05	05/07/19 19:30	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		05/06/19 15:05	05/07/19 19:30	1
Endrin	ND		0.050	0.014	ug/L		05/06/19 15:05	05/07/19 19:30	1
Endrin aldehyde	ND		0.050	0.016	ug/L		05/06/19 15:05	05/07/19 19:30	1
Endrin ketone	ND		0.050	0.012	ug/L		05/06/19 15:05	05/07/19 19:30	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		05/06/19 15:05	05/07/19 19:30	1
Heptachlor	ND		0.050	0.0085	ug/L		05/06/19 15:05	05/07/19 19:30	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		05/06/19 15:05	05/07/19 19:30	1
Methoxychlor	ND		0.050	0.014	ug/L		05/06/19 15:05	05/07/19 19:30	1
Toxaphene	ND		0.50	0.12	ug/L		05/06/19 15:05	05/07/19 19:30	1
trans-Chlordane	ND		0.050	0.011	ug/L		05/06/19 15:05	05/07/19 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*20 - 120*	*05/06/19 15:05*	*05/07/19 19:30*	*1*
DCB Decachlorobiphenyl	*97*		*20 - 120*	*05/06/19 15:05*	*05/07/19 19:30*	*1*
Tetrachloro-m-xylene	*84*		*44 - 120*	*05/06/19 15:05*	*05/07/19 19:30*	*1*
Tetrachloro-m-xylene	*73*		*44 - 120*	*05/06/19 15:05*	*05/07/19 19:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		05/02/19 14:58	05/06/19 22:31	1
PCB-1221	ND		0.50	0.18	ug/L		05/02/19 14:58	05/06/19 22:31	1
PCB-1232	ND		0.50	0.18	ug/L		05/02/19 14:58	05/06/19 22:31	1
PCB-1242	ND		0.50	0.18	ug/L		05/02/19 14:58	05/06/19 22:31	1
PCB-1248	ND		0.50	0.18	ug/L		05/02/19 14:58	05/06/19 22:31	1
PCB-1254	ND		0.50	0.25	ug/L		05/02/19 14:58	05/06/19 22:31	1
PCB-1260	ND		0.50	0.25	ug/L		05/02/19 14:58	05/06/19 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*38*		*19 - 120*	*05/02/19 14:58*	*05/06/19 22:31*	*1*
DCB Decachlorobiphenyl	*25*		*19 - 120*	*05/02/19 14:58*	*05/06/19 22:31*	*1*
Tetrachloro-m-xylene	*76*		*39 - 121*	*05/02/19 14:58*	*05/06/19 22:31*	*1*
Tetrachloro-m-xylene	*55*		*39 - 121*	*05/02/19 14:58*	*05/06/19 22:31*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		0.48	0.16	ug/L		05/03/19 10:49	05/06/19 16:42	1
Silvex (2,4,5-TP)	ND		0.48	0.048	ug/L		05/03/19 10:49	05/06/19 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*70*		*48 - 132*	*05/03/19 10:49*	*05/06/19 16:42*	*1*
2,4-Dichlorophenylacetic acid	*55*		*48 - 132*	*05/03/19 10:49*	*05/06/19 16:42*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND	^	0.20	0.060	mg/L		05/08/19 08:09	05/14/19 14:32	1
Antimony	ND		0.020	0.0068	mg/L		05/08/19 08:09	05/14/19 14:32	1
Arsenic	ND		0.015	0.0056	mg/L		05/08/19 08:09	05/14/19 14:32	1
Barium	**0.055**		0.0020	0.00070	mg/L		05/08/19 08:09	05/14/19 14:32	1

Client Sample ID: WCS06_043019
Lab Sample ID: 480-152739-6

Date Collected: 04/30/19 12:45
Matrix: Water
Date Received: 05/01/19 01:00

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00030	mg/L		05/08/19 08:09	05/14/19 14:32	1
Cadmium	ND		0.0020	0.00050	mg/L		05/08/19 08:09	05/14/19 14:32	1
Calcium	**108**		0.50	0.10	mg/L		05/08/19 08:09	05/14/19 14:32	1
Chromium	ND		0.0040	0.0010	mg/L		05/08/19 08:09	05/14/19 14:32	1
Cobalt	ND		0.0040	0.00063	mg/L		05/08/19 08:09	05/14/19 14:32	1
Copper	ND		0.010	0.0016	mg/L		05/08/19 08:09	05/14/19 14:32	1
Iron	**1.4**		0.050	0.019	mg/L		05/08/19 08:09	05/14/19 14:32	1
Lead	ND		0.010	0.0030	mg/L		05/08/19 08:09	05/14/19 14:32	1
Magnesium	**13.9**		0.20	0.043	mg/L		05/08/19 08:09	05/14/19 14:32	1
Manganese	**0.012**	**B**	0.0030	0.00040	mg/L		05/08/19 08:09	05/14/19 14:32	1
Nickel	ND		0.010	0.0013	mg/L		05/08/19 08:09	05/14/19 14:32	1
Potassium	**23.5**		0.50	0.10	mg/L		05/08/19 08:09	05/14/19 14:32	1
Selenium	ND		0.025	0.0087	mg/L		05/08/19 08:09	05/14/19 14:32	1
Silver	ND		0.0060	0.0017	mg/L		05/08/19 08:09	05/14/19 14:32	1
Sodium	**51.3**		1.0	0.32	mg/L		05/08/19 08:09	05/14/19 14:32	1
Thallium	ND		0.020	0.010	mg/L		05/08/19 08:09	05/14/19 14:32	1
Vanadium	ND		0.0050	0.0015	mg/L		05/08/19 08:09	05/14/19 14:32	1
Zinc	**0.0020**	**J**	0.010	0.0015	mg/L		05/08/19 08:09	05/14/19 14:32	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		05/02/19 12:00	05/02/19 15:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Reactive Cyanide	ND		10.0	10.0	mg/L		05/12/19 09:15	05/13/19 11:42	1
Cyanide	ND		0.010	0.0050	mg/L		05/12/19 16:07	05/13/19 11:34	1
Reactive Sulfide	ND		10.0	10.0	mg/L		05/12/19 09:15	05/13/19 13:40	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>176**		50.0	50.0	Degrees F			05/16/19 13:20	1
pH	**10.5**	**HF**	0.100	0.100	SU			05/16/19 15:05	1
Temperature	**21.6**	**HF**	0.00100	0.00100	Degrees C			05/16/19 15:05	1

Shipping and Receiving Documents

OBG Part of Ramboll — Chain of Custody / Analysis Report

Page ____ of ____

Sampler(s): Josh Perez (Signature)

T9795

Laboratory Use Only

Project Number:

Job Number:

Laboratory ID:

Lab Sample ID:

Contact:	David Carnevale
Address:	333 West Washington Street Syracuse, NY 13221
Phone:	315-956-6571
E-mail:	david.carnevale@obg.com
Project:	Former Bomax Manufacturing
Location:	Watertown, NY

Laboratory: Test America

Attn: Melissa Deyo

Phone: 716-504-9874

Holding Time:

Package Requirement:

EDD Format: EQuIS 4-file

Analysis Required

Preservatives: (see key at bottom)

	Sample Identification: Unique Field Sample ID (sys_sample_code)	Sample Location	Date	Time	Sample Type (See Key)	Sample Matrix (See Key)	Number of Containers	Grab [G] or Composite [C]	Field Filtered? (Y / N)	TCLP VOCs (1311/82600C)	TCLP SVOCs (1311/82700D), TCLP Metals ICP (6010C), TCLP Hg (7470A), TCLP Pest	TCL PCBs (80082A)	Total Cyanide (9012B), Ignitability (1010A), pH-Corrosivity (9045D)	Reactive Cyanide (9012), Reactive Sulfide (9034)	TCL VOCs (82600C)	TCL SVOCs (8270D)	TAL Metals ICP (6010C), Hg (7470A)	TCL Pesticides (80081B)	TCL Herbicides (8151A)	TCL PCBs (8082A)	Total Cyanide (9012B)	Reactive Cyanide (9012), Reactive Sulfide (9034)	Ignitability (1010A)	pH-Corrosivity (9040C)
	Reporting Units																							
1	WCS01_043019	DRUM	04/30/19	0940	Normal	Soil	6	G/C	N	X	X	X	X	X										
2	WCS02_043019	DRUM	04/30/19	1000	Normal	Soil	6	G/C	N	X	X	X	X	X										
3	WCS03_043019	DRUM	04/30/19	1044	Normal	Soil	6	G/C	N	X	X	X	X	X										
4	WCS04_043019	DRUM	04/30/19	1120	Normal	Water	12	G	N						X	X	X	X	X	X	X	X	X	X
5	WCS05_043019	DRUM	04/30/19	1200	Normal	Water	12	G	N						X	X	X	X	X	X	X	X	X	X
6	WCS06_043019	DRUM	04/30/19	1245	Normal	Water	12	G	N						X	X	X	X	X	X	X	X	X	X
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								

Rec 4-30-19

480-152739 Chain of Custody

Special Instructions:

Use this space if shipped via courier (e.g., Fed Ex)

Relinquished by: Joshua Perez	Date: 04/30/19	Courier Name: Red	Date: 4-30-19	Condition:
Of: OBG	Time: 1610	Tracking #: [illegible]	Time: 1610	
Relinquished by:	Date: 4-30-19	Received By:	Date: 05/01/19 0100	Custody Seals Intact?
Of: Redfield	Time: 9:00	Of: [illegible]	Time:	
Relinquished by:	Date:	Received By:	Date:	Cooler Temperature:
Of:	Time:	Of:	Time:	

Other Comments or Notes regarding condition of samples as received:

Sample Type: N = Normal env. sample, FD = field duplicate, EB = Equipment Blank, TB = Trip Blank, MS = Lab Matrix Spike, Other (Specify):

Sample Matrix: SE = Sediment, SO = Soil, WG = Groundwater, WQ = Water Quality, WS = Surface Water, WW = Waste Water, WP = Potable Water, AA = Ambient Air, Other (Specify):

Preservative Code: 0 = none, 1 = HCL, 2 = HNO_3, 3 = H_2SO_4, 4 = NaOH, 5 = Zn Acetate, 6 = MeOH, 7 = $NaHSO_4$, 8 = other

2.0; 1.6; 2.2 #1

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05/20/2019

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-152739-1

Login Number: 152739
List Number: 1
Creator: Velickovic, Zoran

List Source: Eurofins TestAmerica, 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	OBG
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	

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-192675-1
Client Project/Site: Bomax Manufacturing #623009

For:
New York State D.E.C.
317 Washington Street
Watertown, New York 13601

Attn: Peter S Ouderkirk

Authorized for release by:
12/6/2021 1:17:41 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

Steve Hartmann, Project Manager I
(413)572-4000
Steve.Hartmann@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-192675-1
Project/Site: Bomax Manufacturing #623009

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.

GC/MS 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.

GC Semi 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.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: New York State D.E.C.
Project/Site: Bomax Manufacturing #623009

Job ID: 480-192675-1

Job ID: 480-192675-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-192675-1

Comments
No additional comments.

Receipt
The sample was received on 11/20/2021 8:00 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 was 2.9º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-607013 recovered above the upper control limit for Carbon tetrachloride, Dichlorobromomethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: IDW-01-111921 (480-192675-1).

Method 8260C: The continuing calibration verification (CCV) analyzed in 480-607013 was outside the method criteria for the following analyte(s): 1,1,1-Trichloroethane and Trichloroethene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated sample is impacted: IDW-01-111921 (480-192675-1).

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 method blank for preparation batch 480-606091 contained Bis(2-ethylhexyl) phthalate above the reporting limit (RL). None of the samples associated with this method blank contained the target compound above the RL; therefore, re-extraction and/or re-analysis of samples were not performed: IDW-01-111921 (480-192675-1).

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

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

General Chemistry
Methods 9040C, SM 4500 H+ B: 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: IDW-01-111921 (480-192675-1).

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-606645.

Method 8151A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-606177.

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

Detection Summary

Client: New York State D.E.C.
Project/Site: Bomax Manufacturing #623009

Job ID: 480-192675-1

Client Sample ID: IDW-01-111921

Lab Sample ID: 480-192675-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	11		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	18		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	7.8	J	10	3.0	ug/L	1		8260C	Total/NA
Benzene	0.46	J	1.0	0.41	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.4		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.46	J	1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	1.1		1.0	0.46	ug/L	1		8260C	Total/NA
4-Methylphenol	0.56	J	10	0.36	ug/L	1		8270D	Total/NA
Di-n-butyl phthalate	0.35	J B	5.0	0.31	ug/L	1		8270D	Total/NA
Diethyl phthalate	1.0	J	5.0	0.22	ug/L	1		8270D	Total/NA
Phenol	3.1	J	5.0	0.39	ug/L	1		8270D	Total/NA
delta-BHC	0.072		0.050	0.010	ug/L	1		8081B	Total/NA
Endrin ketone	0.012	J	0.050	0.012	ug/L	1		8081B	Total/NA
Flashpoint	>180				Degrees F	1		1010B	Total/NA
pH	7.75	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	22.6	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Project/Site: Bomax Manufacturing #623009

Job ID: 480-192675-1

Client Sample ID: IDW-01-111921
Date Collected: 11/19/21 11:00
Date Received: 11/20/21 08:00

Lab Sample ID: 480-192675-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**11**		1.0	0.82	ug/L			11/30/21 13:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/30/21 13:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/30/21 13:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/30/21 13:39	1
1,1-Dichloroethane	**18**		1.0	0.38	ug/L			11/30/21 13:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/30/21 13:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/30/21 13:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/30/21 13:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/30/21 13:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/30/21 13:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/30/21 13:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/30/21 13:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/30/21 13:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/30/21 13:39	1
2-Hexanone	ND		5.0	1.2	ug/L			11/30/21 13:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/30/21 13:39	1
Acetone	**7.8**	**J**	10	3.0	ug/L			11/30/21 13:39	1
Benzene	**0.46**	**J**	1.0	0.41	ug/L			11/30/21 13:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/30/21 13:39	1
Bromoform	ND		1.0	0.26	ug/L			11/30/21 13:39	1
Bromomethane	ND		1.0	0.69	ug/L			11/30/21 13:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/30/21 13:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/30/21 13:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/30/21 13:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/30/21 13:39	1
Chloroethane	ND		1.0	0.32	ug/L			11/30/21 13:39	1
Chloroform	ND		1.0	0.34	ug/L			11/30/21 13:39	1
Chloromethane	ND		1.0	0.35	ug/L			11/30/21 13:39	1
cis-1,2-Dichloroethene	**3.4**		1.0	0.81	ug/L			11/30/21 13:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/30/21 13:39	1
Cyclohexane	ND		1.0	0.18	ug/L			11/30/21 13:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/30/21 13:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/30/21 13:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/30/21 13:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/30/21 13:39	1
Methyl acetate	ND		2.5	1.3	ug/L			11/30/21 13:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/30/21 13:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/30/21 13:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/30/21 13:39	1
Styrene	ND		1.0	0.73	ug/L			11/30/21 13:39	1
Tetrachloroethene	**0.46**	**J**	1.0	0.36	ug/L			11/30/21 13:39	1
Toluene	ND		1.0	0.51	ug/L			11/30/21 13:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/30/21 13:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/30/21 13:39	1
Trichloroethene	**1.1**		1.0	0.46	ug/L			11/30/21 13:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/30/21 13:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/30/21 13:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/30/21 13:39	1

Client Sample ID: IDW-01-111921
Date Collected: 11/19/21 11:00
Date Received: 11/20/21 08:00

Lab Sample ID: 480-192675-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*		*11/30/21 13:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*11/30/21 13:39*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*11/30/21 13:39*	*1*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*11/30/21 13:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		11/22/21 14:56	11/23/21 21:45	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/22/21 14:56	11/23/21 21:45	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/22/21 14:56	11/23/21 21:45	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/22/21 14:56	11/23/21 21:45	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/22/21 14:56	11/23/21 21:45	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/22/21 14:56	11/23/21 21:45	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/22/21 14:56	11/23/21 21:45	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/22/21 14:56	11/23/21 21:45	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/22/21 14:56	11/23/21 21:45	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/22/21 14:56	11/23/21 21:45	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/22/21 14:56	11/23/21 21:45	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/22/21 14:56	11/23/21 21:45	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/22/21 14:56	11/23/21 21:45	1
2-Nitroaniline	ND		10	0.42	ug/L		11/22/21 14:56	11/23/21 21:45	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/22/21 14:56	11/23/21 21:45	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/22/21 14:56	11/23/21 21:45	1
3-Nitroaniline	ND		10	0.48	ug/L		11/22/21 14:56	11/23/21 21:45	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/22/21 14:56	11/23/21 21:45	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/22/21 14:56	11/23/21 21:45	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/22/21 14:56	11/23/21 21:45	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/22/21 14:56	11/23/21 21:45	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/22/21 14:56	11/23/21 21:45	1
4-Methylphenol	**0.56**	**J**	10	0.36	ug/L		11/22/21 14:56	11/23/21 21:45	1
4-Nitroaniline	ND		10	0.25	ug/L		11/22/21 14:56	11/23/21 21:45	1
4-Nitrophenol	ND		10	1.5	ug/L		11/22/21 14:56	11/23/21 21:45	1
Acenaphthene	ND		5.0	0.41	ug/L		11/22/21 14:56	11/23/21 21:45	1
Acenaphthylene	ND		5.0	0.38	ug/L		11/22/21 14:56	11/23/21 21:45	1
Acetophenone	ND		5.0	0.54	ug/L		11/22/21 14:56	11/23/21 21:45	1
Anthracene	ND		5.0	0.28	ug/L		11/22/21 14:56	11/23/21 21:45	1
Atrazine	ND		5.0	0.46	ug/L		11/22/21 14:56	11/23/21 21:45	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/22/21 14:56	11/23/21 21:45	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/22/21 14:56	11/23/21 21:45	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/22/21 14:56	11/23/21 21:45	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/22/21 14:56	11/23/21 21:45	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/22/21 14:56	11/23/21 21:45	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/22/21 14:56	11/23/21 21:45	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/22/21 14:56	11/23/21 21:45	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/22/21 14:56	11/23/21 21:45	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		11/22/21 14:56	11/23/21 21:45	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/22/21 14:56	11/23/21 21:45	1
Caprolactam	ND		5.0	2.2	ug/L		11/22/21 14:56	11/23/21 21:45	1
Carbazole	ND		5.0	0.30	ug/L		11/22/21 14:56	11/23/21 21:45	1
Chrysene	ND		5.0	0.33	ug/L		11/22/21 14:56	11/23/21 21:45	1

Client Sample ID: IDW-01-111921

Date Collected: 11/19/21 11:00
Date Received: 11/20/21 08:00

Lab Sample ID: 480-192675-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	**0.35**	**J B**	5.0	0.31	ug/L		11/22/21 14:56	11/23/21 21:45	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/22/21 14:56	11/23/21 21:45	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/22/21 14:56	11/23/21 21:45	1
Dibenzofuran	ND		10	0.51	ug/L		11/22/21 14:56	11/23/21 21:45	1
Diethyl phthalate	**1.0**	**J**	5.0	0.22	ug/L		11/22/21 14:56	11/23/21 21:45	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/22/21 14:56	11/23/21 21:45	1
Fluoranthene	ND		5.0	0.40	ug/L		11/22/21 14:56	11/23/21 21:45	1
Fluorene	ND		5.0	0.36	ug/L		11/22/21 14:56	11/23/21 21:45	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/22/21 14:56	11/23/21 21:45	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/22/21 14:56	11/23/21 21:45	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/22/21 14:56	11/23/21 21:45	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/22/21 14:56	11/23/21 21:45	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/22/21 14:56	11/23/21 21:45	1
Isophorone	ND		5.0	0.43	ug/L		11/22/21 14:56	11/23/21 21:45	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/22/21 14:56	11/23/21 21:45	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/22/21 14:56	11/23/21 21:45	1
Naphthalene	ND		5.0	0.76	ug/L		11/22/21 14:56	11/23/21 21:45	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/22/21 14:56	11/23/21 21:45	1
Pentachlorophenol	ND		10	2.2	ug/L		11/22/21 14:56	11/23/21 21:45	1
Phenanthrene	ND		5.0	0.44	ug/L		11/22/21 14:56	11/23/21 21:45	1
Phenol	**3.1**	**J**	5.0	0.39	ug/L		11/22/21 14:56	11/23/21 21:45	1
Pyrene	ND		5.0	0.34	ug/L		11/22/21 14:56	11/23/21 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*103*		*41 - 120*	*11/22/21 14:56*	*11/23/21 21:45*	*1*
2-Fluorobiphenyl	*114*		*48 - 120*	*11/22/21 14:56*	*11/23/21 21:45*	*1*
2-Fluorophenol	*83*		*35 - 120*	*11/22/21 14:56*	*11/23/21 21:45*	*1*
Nitrobenzene-d5	*93*		*46 - 120*	*11/22/21 14:56*	*11/23/21 21:45*	*1*
p-Terphenyl-d14	*100*		*60 - 148*	*11/22/21 14:56*	*11/23/21 21:45*	*1*
Phenol-d5	*68*		*22 - 120*	*11/22/21 14:56*	*11/23/21 21:45*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		11/26/21 09:57	11/29/21 10:50	1
4,4'-DDE	ND		0.050	0.012	ug/L		11/26/21 09:57	11/29/21 10:50	1
4,4'-DDT	ND		0.050	0.011	ug/L		11/26/21 09:57	11/29/21 10:50	1
Aldrin	ND		0.050	0.0081	ug/L		11/26/21 09:57	11/29/21 10:50	1
alpha-BHC	ND		0.050	0.0077	ug/L		11/26/21 09:57	11/29/21 10:50	1
cis-Chlordane	ND		0.050	0.015	ug/L		11/26/21 09:57	11/29/21 10:50	1
beta-BHC	ND		0.050	0.025	ug/L		11/26/21 09:57	11/29/21 10:50	1
delta-BHC	**0.072**		0.050	0.010	ug/L		11/26/21 09:57	11/29/21 10:50	1
Dieldrin	ND		0.050	0.0098	ug/L		11/26/21 09:57	11/29/21 10:50	1
Endosulfan I	ND		0.050	0.011	ug/L		11/26/21 09:57	11/29/21 10:50	1
Endosulfan II	ND		0.050	0.012	ug/L		11/26/21 09:57	11/29/21 10:50	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		11/26/21 09:57	11/29/21 10:50	1
Endrin	ND		0.050	0.014	ug/L		11/26/21 09:57	11/29/21 10:50	1
Endrin aldehyde	ND		0.050	0.016	ug/L		11/26/21 09:57	11/29/21 10:50	1
Endrin ketone	**0.012**	**J**	0.050	0.012	ug/L		11/26/21 09:57	11/29/21 10:50	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		11/26/21 09:57	11/29/21 10:50	1
trans-Chlordane	ND		0.050	0.011	ug/L		11/26/21 09:57	11/29/21 10:50	1

Client Sample ID: IDW-01-111921
Date Collected: 11/19/21 11:00
Date Received: 11/20/21 08:00

Lab Sample ID: 480-192675-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		0.050	0.0085	ug/L		11/26/21 09:57	11/29/21 10:50	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		11/26/21 09:57	11/29/21 10:50	1
Methoxychlor	ND		0.050	0.014	ug/L		11/26/21 09:57	11/29/21 10:50	1
Toxaphene	ND		0.50	0.12	ug/L		11/26/21 09:57	11/29/21 10:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*44*		*20 - 120*	*11/26/21 09:57*	*11/29/21 10:50*	*1*
DCB Decachlorobiphenyl	*47*		*20 - 120*	*11/26/21 09:57*	*11/29/21 10:50*	*1*
Tetrachloro-m-xylene	*94*		*44 - 120*	*11/26/21 09:57*	*11/29/21 10:50*	*1*
Tetrachloro-m-xylene	*69*		*44 - 120*	*11/26/21 09:57*	*11/29/21 10:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/23/21 14:16	11/24/21 18:17	1
PCB-1221	ND		0.50	0.18	ug/L		11/23/21 14:16	11/24/21 18:17	1
PCB-1232	ND		0.50	0.18	ug/L		11/23/21 14:16	11/24/21 18:17	1
PCB-1242	ND		0.50	0.18	ug/L		11/23/21 14:16	11/24/21 18:17	1
PCB-1248	ND		0.50	0.18	ug/L		11/23/21 14:16	11/24/21 18:17	1
PCB-1254	ND		0.50	0.25	ug/L		11/23/21 14:16	11/24/21 18:17	1
PCB-1260	ND		0.50	0.25	ug/L		11/23/21 14:16	11/24/21 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*19 - 120*	*11/23/21 14:16*	*11/24/21 18:17*	*1*
DCB Decachlorobiphenyl	*65*		*19 - 120*	*11/23/21 14:16*	*11/24/21 18:17*	*1*
Tetrachloro-m-xylene	*95*		*39 - 121*	*11/23/21 14:16*	*11/24/21 18:17*	*1*
Tetrachloro-m-xylene	*103*		*39 - 121*	*11/23/21 14:16*	*11/24/21 18:17*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		0.49	0.066	ug/L		11/23/21 08:55	11/26/21 14:07	1
2,4-D	ND		0.49	0.17	ug/L		11/23/21 08:55	11/26/21 14:07	1
Dinoseb	ND		0.49	0.13	ug/L		11/23/21 08:55	11/26/21 14:07	1
Silvex (2,4,5-TP)	ND		0.49	0.049	ug/L		11/23/21 08:55	11/26/21 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*52*		*48 - 132*	*11/23/21 08:55*	*11/26/21 14:07*	*1*
2,4-Dichlorophenylacetic acid	*52*		*48 - 132*	*11/23/21 08:55*	*11/26/21 14:07*	*1*

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>180**				Degrees F			12/01/21 15:28	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	10.0	mg/L		11/30/21 11:00	12/01/21 08:48	1
Sulfide, Reactive	ND		10.0	10.0	mg/L		11/30/21 11:00	11/30/21 19:15	1
pH	**7.75**	**HF**	0.100	0.100	SU			11/23/21 13:24	1
Temperature	**22.6**	**HF**	0.00100	0.00100	Degrees C			11/23/21 13:24	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Bomax Manufacturing #623009

Job ID: 480-192675-1

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-192675-1	IDW-01-111921	96	109	103	115
LCS 480-607013/32	Lab Control Sample	102	108	108	115
MB 480-607013/7	Method Blank	98	107	107	115

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(60-148)	(22-120)
480-192675-1	IDW-01-111921	103	114	83	93	100	68
LCS 480-606091/2-A	Lab Control Sample	119	107	77	100	112	61
LCSD 480-606091/3-A	Lab Control Sample Dup	118	102	76	92	106	60
MB 480-606091/1-A	Method Blank	83	101	68	80	101	53

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

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	(20-120)	(20-120)	(44-120)	(44-120)
480-192675-1	IDW-01-111921	44	47	94	69
LCS 480-606645/2-A	Lab Control Sample	36	45	95	83
LCSD 480-606645/3-A	Lab Control Sample Dup	30	39	87	77
MB 480-606645/1-A	Method Blank	56	54	101	83

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)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(19-120)	(19-120)	(39-121)	(39-121)
480-192675-1	IDW-01-111921	56	65	95	103
LCS 480-606294/2-A	Lab Control Sample	40	46	76	82

Surrogate Summary

Client: New York State D.E.C.
Job ID: 480-192675-1
Project/Site: Bomax Manufacturing #623009

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (19-120)	DCBP2 (19-120)	TCX1 (39-121)	TCX2 (39-121)
MB 480-606294/1-A	Method Blank	55	64	77	95

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCPAA1 (48-132)	DCPAA2 (48-132)
480-192675-1	IDW-01-111921	52	52
LCS 480-606177/2-A	Lab Control Sample	68	103
LCSD 480-606177/3-A	Lab Control Sample Dup	60	84
MB 480-606177/1-A	Method Blank	68	100

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

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

Lab Sample ID: MB 480-607013/7
Matrix: Water
Analysis Batch: 607013

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	ND		1.0	0.82	ug/L			11/30/21 13:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/30/21 13:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/30/21 13:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/30/21 13:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/30/21 13:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/30/21 13:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/30/21 13:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/30/21 13:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/30/21 13:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/30/21 13:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/30/21 13:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/30/21 13:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/30/21 13:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/30/21 13:03	1
2-Hexanone	ND		5.0	1.2	ug/L			11/30/21 13:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/30/21 13:03	1
Acetone	ND		10	3.0	ug/L			11/30/21 13:03	1
Benzene	ND		1.0	0.41	ug/L			11/30/21 13:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/30/21 13:03	1
Bromoform	ND		1.0	0.26	ug/L			11/30/21 13:03	1
Bromomethane	ND		1.0	0.69	ug/L			11/30/21 13:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/30/21 13:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/30/21 13:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/30/21 13:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/30/21 13:03	1
Chloroethane	ND		1.0	0.32	ug/L			11/30/21 13:03	1
Chloroform	ND		1.0	0.34	ug/L			11/30/21 13:03	1
Chloromethane	ND		1.0	0.35	ug/L			11/30/21 13:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/30/21 13:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/30/21 13:03	1
Cyclohexane	ND		1.0	0.18	ug/L			11/30/21 13:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/30/21 13:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/30/21 13:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/30/21 13:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/30/21 13:03	1
Methyl acetate	ND		2.5	1.3	ug/L			11/30/21 13:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/30/21 13:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/30/21 13:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/30/21 13:03	1
Styrene	ND		1.0	0.73	ug/L			11/30/21 13:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/30/21 13:03	1
Toluene	ND		1.0	0.51	ug/L			11/30/21 13:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/30/21 13:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/30/21 13:03	1
Trichloroethene	ND		1.0	0.46	ug/L			11/30/21 13:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/30/21 13:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/30/21 13:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/30/21 13:03	1

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

Lab Sample ID: MB 480-607013/7
Matrix: Water
Analysis Batch: 607013

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*98*		*80 - 120*		*11/30/21 13:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*11/30/21 13:03*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*11/30/21 13:03*	*1*
Dibromofluoromethane (Surr)	*115*		*75 - 123*		*11/30/21 13:03*	*1*

Lab Sample ID: LCS 480-607013/32
Matrix: Water
Analysis Batch: 607013

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	29.8		ug/L		119	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.3		ug/L		89	76 - 120
1,1,2-Trichloroethane	25.0	25.4		ug/L		101	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	30.1		ug/L		120	61 - 148
1,1-Dichloroethane	25.0	26.5		ug/L		106	77 - 120
1,1-Dichloroethene	25.0	27.9		ug/L		112	66 - 127
1,2,4-Trichlorobenzene	25.0	26.3		ug/L		105	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.6		ug/L		95	56 - 134
1,2-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	27.9		ug/L		112	75 - 120
1,2-Dichloropropane	25.0	24.1		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	26.0		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	26.6		ug/L		106	80 - 120
2-Butanone (MEK)	125	113		ug/L		90	57 - 140
2-Hexanone	125	105		ug/L		84	65 - 127
4-Methyl-2-pentanone (MIBK)	125	103		ug/L		82	71 - 125
Acetone	125	117		ug/L		93	56 - 142
Benzene	25.0	26.4		ug/L		106	71 - 124
Bromodichloromethane	25.0	30.4		ug/L		122	80 - 122
Bromoform	25.0	27.4		ug/L		110	61 - 132
Bromomethane	25.0	27.8		ug/L		111	55 - 144
Carbon disulfide	25.0	24.8		ug/L		99	59 - 134
Carbon tetrachloride	25.0	31.4		ug/L		125	72 - 134
Chlorobenzene	25.0	27.4		ug/L		110	80 - 120
Dibromochloromethane	25.0	28.7		ug/L		115	75 - 125
Chloroethane	25.0	22.2		ug/L		89	69 - 136
Chloroform	25.0	28.2		ug/L		113	73 - 127
Chloromethane	25.0	22.6		ug/L		90	68 - 124
cis-1,2-Dichloroethene	25.0	27.3		ug/L		109	74 - 124
cis-1,3-Dichloropropene	25.0	27.4		ug/L		109	74 - 124
Cyclohexane	25.0	25.5		ug/L		102	59 - 135
Dichlorodifluoromethane	25.0	33.0		ug/L		132	59 - 135
Ethylbenzene	25.0	26.2		ug/L		105	77 - 123
1,2-Dibromoethane	25.0	25.8		ug/L		103	77 - 120
Isopropylbenzene	25.0	25.3		ug/L		101	77 - 122
Methyl acetate	50.0	42.3		ug/L		85	74 - 133
Methyl tert-butyl ether	25.0	27.1		ug/L		108	77 - 120
Methylcyclohexane	25.0	27.9		ug/L		112	68 - 134

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

Lab Sample ID: LCS 480-607013/32
Matrix: Water
Analysis Batch: 607013

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	28.0		ug/L		112	75 - 124
Styrene	25.0	27.4		ug/L		109	80 - 120
Tetrachloroethene	25.0	27.7		ug/L		111	74 - 122
Toluene	25.0	25.8		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	28.0		ug/L		112	73 - 127
trans-1,3-Dichloropropene	25.0	25.6		ug/L		103	80 - 120
Trichloroethene	25.0	29.6		ug/L		118	74 - 123
Trichlorofluoromethane	25.0	30.2		ug/L		121	62 - 150
Vinyl chloride	25.0	23.8		ug/L		95	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*115*		*75 - 123*

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

Lab Sample ID: MB 480-606091/1-A
Matrix: Water
Analysis Batch: 606211

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 606091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		11/22/21 14:56	11/23/21 15:27	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		11/22/21 14:56	11/23/21 15:27	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		11/22/21 14:56	11/23/21 15:27	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		11/22/21 14:56	11/23/21 15:27	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		11/22/21 14:56	11/23/21 15:27	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		11/22/21 14:56	11/23/21 15:27	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		11/22/21 14:56	11/23/21 15:27	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		11/22/21 14:56	11/23/21 15:27	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		11/22/21 14:56	11/23/21 15:27	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		11/22/21 14:56	11/23/21 15:27	1
2-Chlorophenol	ND		5.0	0.53	ug/L		11/22/21 14:56	11/23/21 15:27	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		11/22/21 14:56	11/23/21 15:27	1
2-Methylphenol	ND		5.0	0.40	ug/L		11/22/21 14:56	11/23/21 15:27	1
2-Nitroaniline	ND		10	0.42	ug/L		11/22/21 14:56	11/23/21 15:27	1
2-Nitrophenol	ND		5.0	0.48	ug/L		11/22/21 14:56	11/23/21 15:27	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		11/22/21 14:56	11/23/21 15:27	1
3-Nitroaniline	ND		10	0.48	ug/L		11/22/21 14:56	11/23/21 15:27	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		11/22/21 14:56	11/23/21 15:27	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		11/22/21 14:56	11/23/21 15:27	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		11/22/21 14:56	11/23/21 15:27	1
4-Chloroaniline	ND		5.0	0.59	ug/L		11/22/21 14:56	11/23/21 15:27	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		11/22/21 14:56	11/23/21 15:27	1
4-Methylphenol	ND		10	0.36	ug/L		11/22/21 14:56	11/23/21 15:27	1
4-Nitroaniline	ND		10	0.25	ug/L		11/22/21 14:56	11/23/21 15:27	1
4-Nitrophenol	ND		10	1.5	ug/L		11/22/21 14:56	11/23/21 15:27	1
Acenaphthene	ND		5.0	0.41	ug/L		11/22/21 14:56	11/23/21 15:27	1

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

Lab Sample ID: MB 480-606091/1-A
Matrix: Water
Analysis Batch: 606211

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 606091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		5.0	0.38	ug/L		11/22/21 14:56	11/23/21 15:27	1
Acetophenone	ND		5.0	0.54	ug/L		11/22/21 14:56	11/23/21 15:27	1
Anthracene	ND		5.0	0.28	ug/L		11/22/21 14:56	11/23/21 15:27	1
Atrazine	ND		5.0	0.46	ug/L		11/22/21 14:56	11/23/21 15:27	1
Benzaldehyde	ND		5.0	0.27	ug/L		11/22/21 14:56	11/23/21 15:27	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		11/22/21 14:56	11/23/21 15:27	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		11/22/21 14:56	11/23/21 15:27	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		11/22/21 14:56	11/23/21 15:27	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		11/22/21 14:56	11/23/21 15:27	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		11/22/21 14:56	11/23/21 15:27	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		11/22/21 14:56	11/23/21 15:27	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		11/22/21 14:56	11/23/21 15:27	1
Bis(2-ethylhexyl) phthalate	9.15		5.0	2.2	ug/L		11/22/21 14:56	11/23/21 15:27	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		11/22/21 14:56	11/23/21 15:27	1
Caprolactam	ND		5.0	2.2	ug/L		11/22/21 14:56	11/23/21 15:27	1
Carbazole	ND		5.0	0.30	ug/L		11/22/21 14:56	11/23/21 15:27	1
Chrysene	ND		5.0	0.33	ug/L		11/22/21 14:56	11/23/21 15:27	1
Di-n-butyl phthalate	0.482	J	5.0	0.31	ug/L		11/22/21 14:56	11/23/21 15:27	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		11/22/21 14:56	11/23/21 15:27	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		11/22/21 14:56	11/23/21 15:27	1
Dibenzofuran	ND		10	0.51	ug/L		11/22/21 14:56	11/23/21 15:27	1
Diethyl phthalate	ND		5.0	0.22	ug/L		11/22/21 14:56	11/23/21 15:27	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		11/22/21 14:56	11/23/21 15:27	1
Fluoranthene	ND		5.0	0.40	ug/L		11/22/21 14:56	11/23/21 15:27	1
Fluorene	ND		5.0	0.36	ug/L		11/22/21 14:56	11/23/21 15:27	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		11/22/21 14:56	11/23/21 15:27	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		11/22/21 14:56	11/23/21 15:27	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		11/22/21 14:56	11/23/21 15:27	1
Hexachloroethane	ND		5.0	0.59	ug/L		11/22/21 14:56	11/23/21 15:27	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		11/22/21 14:56	11/23/21 15:27	1
Isophorone	ND		5.0	0.43	ug/L		11/22/21 14:56	11/23/21 15:27	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		11/22/21 14:56	11/23/21 15:27	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		11/22/21 14:56	11/23/21 15:27	1
Naphthalene	ND		5.0	0.76	ug/L		11/22/21 14:56	11/23/21 15:27	1
Nitrobenzene	ND		5.0	0.29	ug/L		11/22/21 14:56	11/23/21 15:27	1
Pentachlorophenol	ND		10	2.2	ug/L		11/22/21 14:56	11/23/21 15:27	1
Phenanthrene	ND		5.0	0.44	ug/L		11/22/21 14:56	11/23/21 15:27	1
Phenol	ND		5.0	0.39	ug/L		11/22/21 14:56	11/23/21 15:27	1
Pyrene	ND		5.0	0.34	ug/L		11/22/21 14:56	11/23/21 15:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*41 - 120*	*11/22/21 14:56*	*11/23/21 15:27*	*1*
2-Fluorobiphenyl	*101*		*48 - 120*	*11/22/21 14:56*	*11/23/21 15:27*	*1*
2-Fluorophenol	*68*		*35 - 120*	*11/22/21 14:56*	*11/23/21 15:27*	*1*
Nitrobenzene-d5	*80*		*46 - 120*	*11/22/21 14:56*	*11/23/21 15:27*	*1*
p-Terphenyl-d14	*101*		*60 - 148*	*11/22/21 14:56*	*11/23/21 15:27*	*1*
Phenol-d5	*53*		*22 - 120*	*11/22/21 14:56*	*11/23/21 15:27*	*1*

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

Lab Sample ID: LCS 480-606091/2-A
Matrix: Water
Analysis Batch: 606211

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 606091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biphenyl	32.0	32.4		ug/L		101	59 - 120
bis (2-chloroisopropyl) ether	32.0	27.7		ug/L		87	21 - 136
2,4,5-Trichlorophenol	32.0	34.8		ug/L		109	65 - 126
2,4,6-Trichlorophenol	32.0	32.5		ug/L		102	64 - 120
2,4-Dichlorophenol	32.0	35.6		ug/L		111	63 - 120
2,4-Dimethylphenol	32.0	36.7		ug/L		115	47 - 120
2,4-Dinitrophenol	64.0	61.2		ug/L		96	31 - 137
2,4-Dinitrotoluene	32.0	35.3		ug/L		110	69 - 120
2,6-Dinitrotoluene	32.0	37.4		ug/L		117	68 - 120
2-Chloronaphthalene	32.0	33.7		ug/L		105	58 - 120
2-Chlorophenol	32.0	31.2		ug/L		98	48 - 120
2-Methylnaphthalene	32.0	31.5		ug/L		98	59 - 120
2-Methylphenol	32.0	30.7		ug/L		96	39 - 120
2-Nitroaniline	32.0	31.9		ug/L		100	54 - 127
2-Nitrophenol	32.0	33.5		ug/L		105	52 - 125
3,3'-Dichlorobenzidine	64.0	60.8		ug/L		95	49 - 135
3-Nitroaniline	32.0	30.7		ug/L		96	51 - 120
4,6-Dinitro-2-methylphenol	64.0	70.3		ug/L		110	46 - 136
4-Bromophenyl phenyl ether	32.0	37.2		ug/L		116	65 - 120
4-Chloro-3-methylphenol	32.0	35.8		ug/L		112	61 - 123
4-Chloroaniline	32.0	30.5		ug/L		95	30 - 120
4-Chlorophenyl phenyl ether	32.0	35.4		ug/L		111	62 - 120
4-Methylphenol	32.0	30.5		ug/L		95	29 - 131
4-Nitroaniline	32.0	33.2		ug/L		104	65 - 120
4-Nitrophenol	64.0	46.0		ug/L		72	45 - 120
Acenaphthene	32.0	32.8		ug/L		102	60 - 120
Acenaphthylene	32.0	31.8		ug/L		99	63 - 120
Acetophenone	32.0	33.7		ug/L		105	45 - 120
Anthracene	32.0	34.2		ug/L		107	67 - 120
Atrazine	64.0	72.9		ug/L		114	71 - 130
Benzaldehyde	64.0	67.3		ug/L		105	10 - 140
Benzo(a)anthracene	32.0	33.6		ug/L		105	70 - 121
Benzo(a)pyrene	32.0	30.2		ug/L		94	60 - 123
Benzo(b)fluoranthene	32.0	34.1		ug/L		107	66 - 126
Benzo(g,h,i)perylene	32.0	37.0		ug/L		115	66 - 150
Benzo(k)fluoranthene	32.0	34.6		ug/L		108	65 - 124
Bis(2-chloroethoxy)methane	32.0	35.6		ug/L		111	50 - 128
Bis(2-chloroethyl)ether	32.0	34.2		ug/L		107	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	34.8		ug/L		109	63 - 139
Butyl benzyl phthalate	32.0	34.8		ug/L		109	70 - 129
Caprolactam	64.0	28.1		ug/L		44	22 - 120
Carbazole	32.0	36.0		ug/L		112	66 - 123
Chrysene	32.0	33.5		ug/L		105	69 - 120
Di-n-butyl phthalate	32.0	36.1		ug/L		113	69 - 131
Di-n-octyl phthalate	32.0	34.2		ug/L		107	63 - 140
Dibenz(a,h)anthracene	32.0	37.7		ug/L		118	65 - 135
Dibenzofuran	32.0	33.1		ug/L		103	66 - 120
Diethyl phthalate	32.0	36.0		ug/L		112	59 - 127

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

Lab Sample ID: LCS 480-606091/2-A
Matrix: Water
Analysis Batch: 606211

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 606091

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dimethyl phthalate	32.0	37.5		ug/L		117	68 - 120
Fluoranthene	32.0	35.2		ug/L		110	69 - 126
Fluorene	32.0	35.1		ug/L		110	66 - 120
Hexachlorobenzene	32.0	36.4		ug/L		114	61 - 120
Hexachlorobutadiene	32.0	31.8		ug/L		99	35 - 120
Hexachlorocyclopentadiene	32.0	20.7		ug/L		65	31 - 120
Hexachloroethane	32.0	28.3		ug/L		88	43 - 120
Indeno(1,2,3-cd)pyrene	32.0	36.7		ug/L		115	69 - 146
Isophorone	32.0	33.4		ug/L		104	55 - 120
N-Nitrosodi-n-propylamine	32.0	34.8		ug/L		109	32 - 140
N-Nitrosodiphenylamine	32.0	35.4		ug/L		111	61 - 120
Naphthalene	32.0	32.3		ug/L		101	57 - 120
Nitrobenzene	32.0	31.8		ug/L		99	53 - 123
Pentachlorophenol	64.0	61.8		ug/L		97	29 - 136
Phenanthrene	32.0	33.8		ug/L		105	68 - 120
Phenol	32.0	19.6		ug/L		61	17 - 120
Pyrene	32.0	33.8		ug/L		106	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*119*		*41 - 120*
2-Fluorobiphenyl	*107*		*48 - 120*
2-Fluorophenol	*77*		*35 - 120*
Nitrobenzene-d5	*100*		*46 - 120*
p-Terphenyl-d14	*112*		*60 - 148*
Phenol-d5	*61*		*22 - 120*

Lab Sample ID: LCSD 480-606091/3-A
Matrix: Water
Analysis Batch: 606211

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 606091

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Biphenyl	32.0	31.1		ug/L		97	59 - 120	4	20
bis (2-chloroisopropyl) ether	32.0	26.4		ug/L		82	21 - 136	5	24
2,4,5-Trichlorophenol	32.0	31.7		ug/L		99	65 - 126	10	18
2,4,6-Trichlorophenol	32.0	31.4		ug/L		98	64 - 120	3	19
2,4-Dichlorophenol	32.0	34.1		ug/L		106	63 - 120	4	19
2,4-Dimethylphenol	32.0	34.0		ug/L		106	47 - 120	8	42
2,4-Dinitrophenol	64.0	63.3		ug/L		99	31 - 137	3	22
2,4-Dinitrotoluene	32.0	34.7		ug/L		109	69 - 120	2	20
2,6-Dinitrotoluene	32.0	35.1		ug/L		110	68 - 120	6	15
2-Chloronaphthalene	32.0	32.2		ug/L		101	58 - 120	4	21
2-Chlorophenol	32.0	30.5		ug/L		95	48 - 120	2	25
2-Methylnaphthalene	32.0	30.2		ug/L		94	59 - 120	4	21
2-Methylphenol	32.0	28.3		ug/L		88	39 - 120	8	27
2-Nitroaniline	32.0	32.4		ug/L		101	54 - 127	2	15
2-Nitrophenol	32.0	33.0		ug/L		103	52 - 125	1	18
3,3'-Dichlorobenzidine	64.0	67.6		ug/L		106	49 - 135	11	25
3-Nitroaniline	32.0	29.7		ug/L		93	51 - 120	3	19

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

Lab Sample ID: LCSD 480-606091/3-A
Matrix: Water
Analysis Batch: 606211

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 606091

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,6-Dinitro-2-methylphenol	64.0	69.3		ug/L		108	46 - 136	1	15
4-Bromophenyl phenyl ether	32.0	34.5		ug/L		108	65 - 120	8	15
4-Chloro-3-methylphenol	32.0	34.6		ug/L		108	61 - 123	4	27
4-Chloroaniline	32.0	30.1		ug/L		94	30 - 120	1	22
4-Chlorophenyl phenyl ether	32.0	34.5		ug/L		108	62 - 120	3	16
4-Methylphenol	32.0	28.5		ug/L		89	29 - 131	7	24
4-Nitroaniline	32.0	32.5		ug/L		102	65 - 120	2	24
4-Nitrophenol	64.0	44.8		ug/L		70	45 - 120	3	48
Acenaphthene	32.0	31.4		ug/L		98	60 - 120	4	24
Acenaphthylene	32.0	30.3		ug/L		95	63 - 120	5	18
Acetophenone	32.0	32.9		ug/L		103	45 - 120	2	20
Anthracene	32.0	32.7		ug/L		102	67 - 120	5	15
Atrazine	64.0	73.8		ug/L		115	71 - 130	1	20
Benzaldehyde	64.0	66.2		ug/L		103	10 - 140	2	20
Benzo(a)anthracene	32.0	33.5		ug/L		105	70 - 121	0	15
Benzo(a)pyrene	32.0	29.8		ug/L		93	60 - 123	1	15
Benzo(b)fluoranthene	32.0	33.6		ug/L		105	66 - 126	1	15
Benzo(g,h,i)perylene	32.0	35.1		ug/L		110	66 - 150	5	15
Benzo(k)fluoranthene	32.0	31.4		ug/L		98	65 - 124	10	22
Bis(2-chloroethoxy)methane	32.0	32.9		ug/L		103	50 - 128	8	17
Bis(2-chloroethyl)ether	32.0	33.4		ug/L		104	44 - 120	2	21
Bis(2-ethylhexyl) phthalate	32.0	33.7		ug/L		105	63 - 139	3	15
Butyl benzyl phthalate	32.0	35.3		ug/L		110	70 - 129	1	16
Caprolactam	64.0	26.4		ug/L		41	22 - 120	6	20
Carbazole	32.0	33.9		ug/L		106	66 - 123	6	20
Chrysene	32.0	32.7		ug/L		102	69 - 120	2	15
Di-n-butyl phthalate	32.0	35.0		ug/L		109	69 - 131	3	15
Di-n-octyl phthalate	32.0	33.4		ug/L		104	63 - 140	2	16
Dibenz(a,h)anthracene	32.0	35.2		ug/L		110	65 - 135	7	15
Dibenzofuran	32.0	32.5		ug/L		101	66 - 120	2	15
Diethyl phthalate	32.0	35.9		ug/L		112	59 - 127	0	15
Dimethyl phthalate	32.0	36.8		ug/L		115	68 - 120	2	15
Fluoranthene	32.0	33.8		ug/L		106	69 - 126	4	15
Fluorene	32.0	33.4		ug/L		104	66 - 120	5	15
Hexachlorobenzene	32.0	34.7		ug/L		109	61 - 120	5	15
Hexachlorobutadiene	32.0	30.1		ug/L		94	35 - 120	5	44
Hexachlorocyclopentadiene	32.0	19.6		ug/L		61	31 - 120	6	49
Hexachloroethane	32.0	27.3		ug/L		85	43 - 120	3	46
Indeno(1,2,3-cd)pyrene	32.0	34.2		ug/L		107	69 - 146	7	15
Isophorone	32.0	31.2		ug/L		97	55 - 120	7	17
N-Nitrosodi-n-propylamine	32.0	33.3		ug/L		104	32 - 140	5	31
N-Nitrosodiphenylamine	32.0	33.8		ug/L		105	61 - 120	5	15
Naphthalene	32.0	30.6		ug/L		96	57 - 120	5	29
Nitrobenzene	32.0	30.3		ug/L		95	53 - 123	5	24
Pentachlorophenol	64.0	58.9		ug/L		92	29 - 136	5	37
Phenanthrene	32.0	32.1		ug/L		100	68 - 120	5	15
Phenol	32.0	19.1		ug/L		60	17 - 120	3	34
Pyrene	32.0	33.1		ug/L		103	70 - 125	2	19

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

Lab Sample ID: LCSD 480-606091/3-A
Matrix: Water
Analysis Batch: 606211

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 606091

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*118*		*41 - 120*
2-Fluorobiphenyl	*102*		*48 - 120*
2-Fluorophenol	*76*		*35 - 120*
Nitrobenzene-d5	*92*		*46 - 120*
p-Terphenyl-d14	*106*		*60 - 148*
Phenol-d5	*60*		*22 - 120*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-606645/1-A
Matrix: Water
Analysis Batch: 606811

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 606645

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		11/26/21 09:57	11/29/21 09:51	1
4,4'-DDE	ND		0.050	0.012	ug/L		11/26/21 09:57	11/29/21 09:51	1
4,4'-DDT	ND		0.050	0.011	ug/L		11/26/21 09:57	11/29/21 09:51	1
Aldrin	ND		0.050	0.0081	ug/L		11/26/21 09:57	11/29/21 09:51	1
alpha-BHC	ND		0.050	0.0077	ug/L		11/26/21 09:57	11/29/21 09:51	1
cis-Chlordane	ND		0.050	0.015	ug/L		11/26/21 09:57	11/29/21 09:51	1
beta-BHC	ND		0.050	0.025	ug/L		11/26/21 09:57	11/29/21 09:51	1
delta-BHC	ND		0.050	0.010	ug/L		11/26/21 09:57	11/29/21 09:51	1
Dieldrin	ND		0.050	0.0098	ug/L		11/26/21 09:57	11/29/21 09:51	1
Endosulfan I	ND		0.050	0.011	ug/L		11/26/21 09:57	11/29/21 09:51	1
Endosulfan II	ND		0.050	0.012	ug/L		11/26/21 09:57	11/29/21 09:51	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		11/26/21 09:57	11/29/21 09:51	1
Endrin	ND		0.050	0.014	ug/L		11/26/21 09:57	11/29/21 09:51	1
Endrin aldehyde	ND		0.050	0.016	ug/L		11/26/21 09:57	11/29/21 09:51	1
Endrin ketone	ND		0.050	0.012	ug/L		11/26/21 09:57	11/29/21 09:51	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		11/26/21 09:57	11/29/21 09:51	1
trans-Chlordane	ND		0.050	0.011	ug/L		11/26/21 09:57	11/29/21 09:51	1
Heptachlor	ND		0.050	0.0085	ug/L		11/26/21 09:57	11/29/21 09:51	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		11/26/21 09:57	11/29/21 09:51	1
Methoxychlor	ND		0.050	0.014	ug/L		11/26/21 09:57	11/29/21 09:51	1
Toxaphene	ND		0.50	0.12	ug/L		11/26/21 09:57	11/29/21 09:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*20 - 120*	*11/26/21 09:57*	*11/29/21 09:51*	*1*
DCB Decachlorobiphenyl	*54*		*20 - 120*	*11/26/21 09:57*	*11/29/21 09:51*	*1*
Tetrachloro-m-xylene	*101*		*44 - 120*	*11/26/21 09:57*	*11/29/21 09:51*	*1*
Tetrachloro-m-xylene	*83*		*44 - 120*	*11/26/21 09:57*	*11/29/21 09:51*	*1*

Lab Sample ID: LCS 480-606645/2-A
Matrix: Water
Analysis Batch: 606811

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 606645

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.400	0.446		ug/L		111	64 - 129

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

Lab Sample ID: LCS 480-606645/2-A
Matrix: Water
Analysis Batch: 606811

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 606645

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDE			0.400	0.378		ug/L		94	50 - 120		
4,4'-DDT			0.400	0.404		ug/L		101	59 - 120		
Aldrin			0.400	0.345		ug/L		86	40 - 125		
alpha-BHC			0.400	0.375		ug/L		94	52 - 125		
cis-Chlordane			0.400	0.420		ug/L		105	52 - 120		
beta-BHC			0.400	0.432		ug/L		108	51 - 120		
delta-BHC			0.400	0.399		ug/L		100	51 - 120		
Dieldrin			0.400	0.429		ug/L		107	66 - 128		
Endosulfan I			0.400	0.434		ug/L		108	57 - 120		
Endosulfan II			0.400	0.455		ug/L		114	66 - 131		
Endosulfan sulfate			0.400	0.455		ug/L		114	66 - 136		
Endrin			0.400	0.448		ug/L		112	65 - 135		
Endrin aldehyde			0.400	0.388		ug/L		97	61 - 134		
Endrin ketone			0.400	0.427		ug/L		107	71 - 133		
gamma-BHC (Lindane)			0.400	0.430		ug/L		107	56 - 120		
trans-Chlordane			0.400	0.416		ug/L		104	54 - 120		
Heptachlor			0.400	0.391		ug/L		98	58 - 120		
Heptachlor epoxide			0.400	0.450		ug/L		112	65 - 125		
Methoxychlor			0.400	0.408		ug/L		102	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*36*		*20 - 120*
DCB Decachlorobiphenyl	*45*		*20 - 120*
Tetrachloro-m-xylene	*95*		*44 - 120*
Tetrachloro-m-xylene	*83*		*44 - 120*

Lab Sample ID: LCSD 480-606645/3-A
Matrix: Water
Analysis Batch: 606811

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 606645

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.400	0.410		ug/L		103	64 - 129	8	23
4,4'-DDE			0.400	0.356		ug/L		89	50 - 120	6	22
4,4'-DDT			0.400	0.371		ug/L		93	59 - 120	8	24
Aldrin			0.400	0.327		ug/L		82	40 - 125	5	25
alpha-BHC			0.400	0.351		ug/L		88	52 - 125	7	24
cis-Chlordane			0.400	0.392		ug/L		98	52 - 120	7	23
beta-BHC			0.400	0.433		ug/L		108	51 - 120	0	24
delta-BHC			0.400	0.388		ug/L		97	51 - 120	3	24
Dieldrin			0.400	0.404		ug/L		101	66 - 128	6	24
Endosulfan I			0.400	0.400		ug/L		100	57 - 120	8	30
Endosulfan II			0.400	0.415		ug/L		104	66 - 131	9	40
Endosulfan sulfate			0.400	0.416		ug/L		104	66 - 136	9	24
Endrin			0.400	0.413		ug/L		103	65 - 135	8	24
Endrin aldehyde			0.400	0.368		ug/L		92	61 - 134	5	28
Endrin ketone			0.400	0.392		ug/L		98	71 - 133	9	26
gamma-BHC (Lindane)			0.400	0.404		ug/L		101	56 - 120	6	24
trans-Chlordane			0.400	0.389		ug/L		97	54 - 120	7	24

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

Lab Sample ID: LCSD 480-606645/3-A
Matrix: Water
Analysis Batch: 606811

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 606645

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Heptachlor			0.400	0.380		ug/L		95	58 - 120	3	25
Heptachlor epoxide			0.400	0.415		ug/L		104	65 - 125	8	23
Methoxychlor			0.400	0.375		ug/L		94	50 - 150	8	26

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*30*		*20 - 120*
DCB Decachlorobiphenyl	*39*		*20 - 120*
Tetrachloro-m-xylene	*87*		*44 - 120*
Tetrachloro-m-xylene	*77*		*44 - 120*

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

Lab Sample ID: MB 480-606294/1-A
Matrix: Water
Analysis Batch: 606493

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 606294

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.50	0.18	ug/L		11/23/21 14:16	11/24/21 12:55	1
PCB-1221	ND		0.50	0.18	ug/L		11/23/21 14:16	11/24/21 12:55	1
PCB-1232	ND		0.50	0.18	ug/L		11/23/21 14:16	11/24/21 12:55	1
PCB-1242	ND		0.50	0.18	ug/L		11/23/21 14:16	11/24/21 12:55	1
PCB-1248	ND		0.50	0.18	ug/L		11/23/21 14:16	11/24/21 12:55	1
PCB-1254	ND		0.50	0.25	ug/L		11/23/21 14:16	11/24/21 12:55	1
PCB-1260	ND		0.50	0.25	ug/L		11/23/21 14:16	11/24/21 12:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*55*		*19 - 120*	*11/23/21 14:16*	*11/24/21 12:55*	*1*
DCB Decachlorobiphenyl	*64*		*19 - 120*	*11/23/21 14:16*	*11/24/21 12:55*	*1*
Tetrachloro-m-xylene	*77*		*39 - 121*	*11/23/21 14:16*	*11/24/21 12:55*	*1*
Tetrachloro-m-xylene	*95*		*39 - 121*	*11/23/21 14:16*	*11/24/21 12:55*	*1*

Lab Sample ID: LCS 480-606294/2-A
Matrix: Water
Analysis Batch: 606493

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 606294

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016			4.00	3.81		ug/L		95	62 - 130
PCB-1260			4.00	3.37		ug/L		84	56 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*40*		*19 - 120*
DCB Decachlorobiphenyl	*46*		*19 - 120*
Tetrachloro-m-xylene	*76*		*39 - 121*
Tetrachloro-m-xylene	*82*		*39 - 121*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-606177/1-A
Matrix: Water
Analysis Batch: 606610

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 606177

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		0.50	0.068	ug/L		11/23/21 08:55	11/26/21 09:33	1
2,4-D	ND		0.50	0.17	ug/L		11/23/21 08:55	11/26/21 09:33	1
Dinoseb	ND		0.50	0.14	ug/L		11/23/21 08:55	11/26/21 09:33	1
Silvex (2,4,5-TP)	ND		0.50	0.050	ug/L		11/23/21 08:55	11/26/21 09:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*68*		*48 - 132*	*11/23/21 08:55*	*11/26/21 09:33*	*1*
2,4-Dichlorophenylacetic acid	*100*		*48 - 132*	*11/23/21 08:55*	*11/26/21 09:33*	*1*

Lab Sample ID: LCS 480-606177/2-A
Matrix: Water
Analysis Batch: 606610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 606177

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-T			2.00	1.40		ug/L		70	41 - 150		
2,4-D			2.00	1.33		ug/L		67	36 - 150		
Dinoseb			2.00	0.588		ug/L		29	21 - 120		
Silvex (2,4,5-TP)			2.00	1.37		ug/L		68	49 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*68*		*48 - 132*
2,4-Dichlorophenylacetic acid	*103*		*48 - 132*

Lab Sample ID: LCSD 480-606177/3-A
Matrix: Water
Analysis Batch: 606610

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 606177

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-T			2.00	1.16		ug/L		58	41 - 150	18	50
2,4-D			2.00	0.955		ug/L		48	36 - 150	33	50
Dinoseb			2.00	0.867		ug/L		43	21 - 120	38	50
Silvex (2,4,5-TP)			2.00	1.14		ug/L		57	49 - 150	18	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*60*		*48 - 132*
2,4-Dichlorophenylacetic acid	*84*		*48 - 132*

Method: 1010B - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 480-607271/1
Matrix: Water
Analysis Batch: 607271

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	79.00		Degrees F		98	97.5 - 102.5		

Client: New York State D.E.C.
Project/Site: Bomax Manufacturing #623009

Job ID: 480-192675-1

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-607152/1-A
Matrix: Water
Analysis Batch: 607197

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 607152

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	10.0	mg/L		11/30/21 11:00	12/01/21 08:38	1

Lab Sample ID: LCS 480-607152/2-A
Matrix: Water
Analysis Batch: 607197

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 607152

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	303.8		mg/L		30	10 - 100

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-607153/1-A
Matrix: Water
Analysis Batch: 607154

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 607153

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		10.0	10.0	mg/L		11/30/21 11:00	11/30/21 19:15	1

Lab Sample ID: LCS 480-607153/2-A
Matrix: Water
Analysis Batch: 607154

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 607153

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	700	460.9		mg/L		66	10 - 100

Method: 9040C - pH

Lab Sample ID: LCS 480-606286/89
Matrix: Water
Analysis Batch: 606286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.003		SU		100	99 - 101

QC Association Summary

Client: New York State D.E.C.
Project/Site: Bomax Manufacturing #623009

Job ID: 480-192675-1

GC/MS VOA

Analysis Batch: 607013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192675-1	IDW-01-111921	Total/NA	Water	8260C	
MB 480-607013/7	Method Blank	Total/NA	Water	8260C	
LCS 480-607013/32	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 606091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192675-1	IDW-01-111921	Total/NA	Water	3510C	
MB 480-606091/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-606091/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-606091/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 606211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192675-1	IDW-01-111921	Total/NA	Water	8270D	606091
MB 480-606091/1-A	Method Blank	Total/NA	Water	8270D	606091
LCS 480-606091/2-A	Lab Control Sample	Total/NA	Water	8270D	606091
LCSD 480-606091/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	606091

GC Semi VOA

Prep Batch: 606177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192675-1	IDW-01-111921	Total/NA	Water	8151A	
MB 480-606177/1-A	Method Blank	Total/NA	Water	8151A	
LCS 480-606177/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 480-606177/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Prep Batch: 606294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192675-1	IDW-01-111921	Total/NA	Water	3510C	
MB 480-606294/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-606294/2-A	Lab Control Sample	Total/NA	Water	3510C	

Analysis Batch: 606493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192675-1	IDW-01-111921	Total/NA	Water	8082A	606294
MB 480-606294/1-A	Method Blank	Total/NA	Water	8082A	606294
LCS 480-606294/2-A	Lab Control Sample	Total/NA	Water	8082A	606294

Analysis Batch: 606610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192675-1	IDW-01-111921	Total/NA	Water	8151A	606177
MB 480-606177/1-A	Method Blank	Total/NA	Water	8151A	606177
LCS 480-606177/2-A	Lab Control Sample	Total/NA	Water	8151A	606177
LCSD 480-606177/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	606177

Prep Batch: 606645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192675-1	IDW-01-111921	Total/NA	Water	3510C	
MB 480-606645/1-A	Method Blank	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 606645 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-606645/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-606645/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 606811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192675-1	IDW-01-111921	Total/NA	Water	8081B	606645
MB 480-606645/1-A	Method Blank	Total/NA	Water	8081B	606645
LCS 480-606645/2-A	Lab Control Sample	Total/NA	Water	8081B	606645
LCSD 480-606645/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	606645

General Chemistry

Analysis Batch: 606286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192675-1	IDW-01-111921	Total/NA	Water	9040C	
LCS 480-606286/89	Lab Control Sample	Total/NA	Water	9040C	

Prep Batch: 607152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192675-1	IDW-01-111921	Total/NA	Water	7.3.3	
MB 480-607152/1-A	Method Blank	Total/NA	Water	7.3.3	
LCS 480-607152/2-A	Lab Control Sample	Total/NA	Water	7.3.3	

Prep Batch: 607153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192675-1	IDW-01-111921	Total/NA	Water	7.3.4	
MB 480-607153/1-A	Method Blank	Total/NA	Water	7.3.4	
LCS 480-607153/2-A	Lab Control Sample	Total/NA	Water	7.3.4	

Analysis Batch: 607154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192675-1	IDW-01-111921	Total/NA	Water	9034	607153
MB 480-607153/1-A	Method Blank	Total/NA	Water	9034	607153
LCS 480-607153/2-A	Lab Control Sample	Total/NA	Water	9034	607153

Analysis Batch: 607197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192675-1	IDW-01-111921	Total/NA	Water	9012	607152
MB 480-607152/1-A	Method Blank	Total/NA	Water	9012	607152
LCS 480-607152/2-A	Lab Control Sample	Total/NA	Water	9012	607152

Analysis Batch: 607271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192675-1	IDW-01-111921	Total/NA	Water	1010B	
LCS 480-607271/1	Lab Control Sample	Total/NA	Water	1010B	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-192675-1
Project/Site: Bomax Manufacturing #623009

Client Sample ID: IDW-01-111921
Date Collected: 11/19/21 11:00
Date Received: 11/20/21 08:00

Lab Sample ID: 480-192675-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607013	11/30/21 13:39	ATG	TAL BUF
Total/NA	Prep	3510C			606091	11/22/21 14:56	CMC	TAL BUF
Total/NA	Analysis	8270D		1	606211	11/23/21 21:45	JMM	TAL BUF
Total/NA	Prep	3510C			606645	11/26/21 09:57	JMP	TAL BUF
Total/NA	Analysis	8081B		1	606811	11/29/21 10:50	MAN	TAL BUF
Total/NA	Prep	3510C			606294	11/23/21 14:16	ADH	TAL BUF
Total/NA	Analysis	8082A		1	606493	11/24/21 18:17	NC	TAL BUF
Total/NA	Prep	8151A			606177	11/23/21 08:55	JMP	TAL BUF
Total/NA	Analysis	8151A		1	606610	11/26/21 14:07	MAN	TAL BUF
Total/NA	Analysis	1010B		1	607271	12/01/21 15:28	JGO	TAL BUF
Total/NA	Prep	7.3.3			607152	11/30/21 11:00	MJB	TAL BUF
Total/NA	Analysis	9012		1	607197	12/01/21 08:48	JGO	TAL BUF
Total/NA	Prep	7.3.4			607153	11/30/21 11:00	MJB	TAL BUF
Total/NA	Analysis	9034		1	607154	11/30/21 19:15	MJB	TAL BUF
Total/NA	Analysis	9040C		1	606286	11/23/21 13:24	DLG	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C. Job ID: 480-192675-1
Project/Site: Bomax Manufacturing #623009

Laboratory: Eurofins TestAmerica, 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	04-01-22

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
1010B		Water	Flashpoint
9012	7.3.3	Water	Cyanide, Reactive
9034	7.3.4	Water	Sulfide, Reactive
9040C		Water	pH
9040C		Water	Temperature

Method Summary

Client: New York State D.E.C.
Job ID: 480-192675-1
Project/Site: Bomax Manufacturing #623009

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
1010B	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL BUF
9012	Cyanide, Reactive	SW846	TAL BUF
9034	Sulfide, Reactive	SW846	TAL BUF
9040C	pH	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
7.3.3	Cyanide, Reactive	SW846	TAL BUF
7.3.4	Sulfide, Reactive	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Bomax Manufacturing #623009

Job ID: 480-192675-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-192675-1	IDW-01-111921	Water	11/19/21 11:00	11/20/21 08:00

BOLL

Chain of Custody / An...sis Report

Sampler(s): (Signature) Lucas Reusser ~~Liam Blake~~

...ve Carnevale	Laboratory: Test America/Eurofins, 10 Hazelwood Drive, Amherst, NY 14228
...33 West Washington Street	Attn: Steve Hartmann
...yracuse, New York 13221-4873	Phone: (413) 642-2616
...315) 350-9219	Holding Time:
...David.Carnevale@ramboll.com	Package Requirement: NYS ASP Category B
...NYSDEC Bomax Manufacturing Site	EDD Format: EQuIS 4-file (NYSDEC format)
...ater Sampling	
Watertown, New York	

Laboratory U...ily — Project Number: / Job Number: / Laboratory ID:

Analysis Required — Preservatives: (see key at bottom)

Unique Field Sample ID (sys_sample_code)	Sample Location	Date	Time	Sample Type (See Key)	Sample Matrix (See Key)	Number of Containers	Grab [G] or Composite [C]	Field Filtered? (Y / N)	TCL Volatiles by USEPA 8260	TCL Semivolatiles by USEPA 8270	TCL Pesticides by USEPA8081	TCL PCBs by USEPA 8082	TCL Chlorinated Herbicides by USEPS 8150	Corrosivity by USEPA 1110	Ignitability by USEPA 1030	Reactivity by USEPS 9010/9031	Lab Sample ID:
Preservatives									1	0	0	0	0	0	0	0	
Reporting Units									ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
W-01-111921	—	11/19/21	11:00	N	WW	14	G	N	X	X	X	X	X	X	X	X	

480-192675 Chain of Custody

Instructions:

...top boxes if the samples are to be shipped via courier (e.g., Fed Ex)

...shed by: Lucas Reusser	Date: 11/19/21	Received By: R.Eugluch	Date: 11/19/21	Condition:	Other comments or notes regarding condition of samples as received:
...nboll Americas Engineering Solutions, Inc.	Time: 14:20	Of:	Time: 14:20		
...shed by: R.Eugluch, TestAmerica, Inc. (Eurofins)	Date: 11-19-21 / Time: 1900	Courier Name: [signature] / Tracking #:	Date: 11/20/21 / Time:	Custody Seals Intact? *(if so, indicate the #, date, and time of the seal)*	
...Name:	Date:	Received By:	Date: 0800	Cooler Temperature: Syracuse #225	
...g #:	Time:	Of:	Time:		

...ype: N = Normal env. sample, FD = field duplicate, EB = Equipment Blank, TB = Trip Blank, MS = Lab Matrix Spike, Other (Specify):
...Matrix: SE = Sediment, SO = Soil, WG = Groundwater, WQ = Water Quality, WS = Surface Water, WW = Waste Water, WP = Potable Water, AA = Ambient Air, Other (Specify):
...tive Code: 0 = none, 1 = HCL, 2 = HNO_3, 3 = H_2SO_4, 4 = NaOH, 5 = Zn Acetate, 6 = MeOH, 7 = $NaHSO_4$, 8 = Na3PO4, 9 = BenzalkoniumCl, 10 = other

#1 2.9

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-192675-1

Login Number: 192675 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Wallace, Cameron

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	

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number
	NYD 987800	1	(877) 518-0087	ZZ 00451532

GENERATOR

5. Generator's Name and Mailing Address: DAVID CARNEVALE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 WEST WASHINGTON STREET PO BOX 4979
SYRACUSE, NY 13202
Generator's Phone: 315 [illegible]

Generator's Site Address (if different than mailing address): 622 SALMON RUN MALL ROAD, WATERTOWN NY 13601

6. Transporter 1 Company Name: VEOLIA ES TECHNICAL SOLUTIONS
U.S. EPA ID Number: M I D 0 8 0 6 7 1 3 6 9

7. Transporter 2 Company Name: FEDERAL CARTAGE, INC
U.S. EPA ID Number: M I D 0 5 4 1 2 4 1 6 4

8. Designated Facility Name and Site Address: VEOLIA ES TECHNICAL SOLUTIONS, L.L.C.
4590 INFIRMARY ROAD
WEST CARROLLTON, OH 45449
Facility's Phone: 937 859-8691
U.S. EPA ID Number: O H D 0 9 5 4 4 3 2 9 3

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON REGULATED MATERIAL, NON RCRA, NON DOT, (NON HAZ WASTE)	4	DM	1600	P	NONE
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: ID Service Contracted by VEOLIA / Contact returned by generator
[illegible]

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: [illegible]
Signature: [illegible]
Month: 0 9 Day: 1 7 Year: 1 9

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name: THOMAS GILBERT
Signature: [illegible]
Month: 0 9 Day: 1 7 Year: 1 9

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: Day: Year:

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA PACKING SLIP

Manifest Order

9/16/2010	9/17/2010		NA 3348117000 001
DATE ACCUMULATED	DATE SHIPPED	GEN DRUM ID	CONTAINER #

New York State DEC
22222 Salmon Run Mall Road

Watertown, NY 13601
EPA # NYCESQG GEN # 660558

GENERATOR - ADDRESS - EPA #

NON-REGULATED MATERIAL, NON-RCRA, NON-DOT, (NON HAZ WATER)

DOT PROPER SHIPPING NAME

220045163 2	1 1		SRRLFLIQ-NH	473017
MANIFEST	PG/LINE	WASTE AREA	DISPOSAL CODE	WTP #
L/ W.473017 A:SRRLFLIQ-NH		4	- / NONE, L	551A2 DM 7.
ADDITIONAL DESCRIPTION		COMMON DRUMS	EPA CODE	CONTAINER TY

UNIT	CONTAINER SIZE	CONT TYPE	FULLNESS	CHEMICAL NAME	INNER CONTAINER ID	WA TY
1	55 GAL	METAL	DRUM	NON HAZ WATER [100%] Common Weights: 1)400 2)400 3)400 4)400 5)400 6)400 7)400 8)400 9)400 10)400		NO

4 COMMON DRUMS

SIC	SOURCE	FORM	SYSTEM	PCB #	PCB COS Date
3999	G49	W213	H141		

TOTAL WEIGHT ~~4000~~ P 1600

VESTON THOMAS
TECHNICAL SUPERVISOR

06/06 FORM# VES-6 PROFORMA 973-882-8666

Activity Report

VEOLIA

JOB NO: 3348117609 WO NO: 3348117609
BILL DOC NO 1A6906532 EPA ID: NYCESQG
GENERATOR NO 660556

BILL TO: O'BRIEN & GERE ENGINEERS INC.
333 West Washington Street
Syracuse, NY 13202
(315) 956-6571

JOB SITE: New York State Department of Environmental Conservation
22222 Salmon Run Mall Road
Watertown, NY 13601
(315) 956-6571

CONTACT: David Carnevale

CONTACT: David Carnevale

MANIFEST NUMBER(S):
ZZ0045532

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		08/17/2016	NYZ

DESCRIPTION	# CONT.	CONT.CODE	QTY	UOM	PGLN	WASTE ARE
Manifest # ZZ0045532 WP 473017 / Approval SRNLFLIQ-NH NON HAZ WATER EST WGT USED	4	55TA2-DM	1600	P	1 / 1	

Total Hours: 0

Comments:
Manifesting _____ On Site _____ Off Site _____ Mob _____
Demob _____

Signature: _____

Print Name: _____

Customer authorizes Contractor to make changes on Customer's behalf in regards to transporters used and to perfo
Services, including adding or changing transporters listed on manifests. If Customer provides an approved transpor
writing to Contractor at the time Customer executes this Agreement, Contractor shall select only those transporters o
when providing transportation services to Customer. If Customer does not provide an approved transporter list in wi
Contractor at the time Customer executes this Agreement, Customer authorizes Contractor to select any permitted tr
to provide transportation services to Customer.

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantitie

2/26/06 FORM# VES-6 PROFORMA 973-882-8666

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number
	NYCESQ9	1	(877) 318-0987	ZZ 00450721

GENERATOR

5. Generator's Name and Mailing Address: DAVID CARNEVALE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
333 WEST WASHINGTON STREET PO BOX 4873
SYRACUSE, NY 13204
Generator's Phone: 315 426 6670

Generator's Site Address (if different than mailing address): 2715 SALMON RUN MALL ROAD, WATERTOWN, NY 13601

6. Transporter 1 Company Name: VEOLIA ES TECHNICAL SOLUTIONS — U.S. EPA ID Number: M D D 0 8 0 6 3 1 3 4 9

7. Transporter 2 Company Name: FRED GOLD CARTAGE INC — U.S. EPA ID Number: N J D 0 5 4 1 7 6 1 6 4

8. Designated Facility Name and Site Address: VEOLIA ES TECHNICAL SOLUTIONS L.L.C.
4991 HEFNER ROAD
WEST CARROLLTON, OH 45449
Facility's Phone: 937 859-8401 — U.S. EPA ID Number: O H D 0 9 3 6 4 5 2 9 3

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON REGULATED DOT NON RESTRICTED, (PAPER, PLASTIC SHEETING)	1	DM	50	P	NONE
	2. NON REGULATED DOT NON REGULATED, (SOIL/ROCK CUTTINGS)	11	DM	6,600	P	NONE
	3. NON REGULATED MATERIAL, NONE, NONE, (WATER)	24	DM	9,600	P	NONE
	4.					

14. Special Handling Instructions and Additional Information: BR Service Contracted by CRSTS - [illegible] C.O.D. - Contact
advised by generator confirm agency authority to initial transporter to add or substitute additional transporters on generator
Subcat: 1. 1) 27-473019 A, SPILLPROOF 90# 2) W-473016 A, SPILLPROOF 90# 3) 27-473017 A, SPILLPROOF 90#

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: [illegible] — Signature: [illegible] — Month 0 9 Day 0 6 Year 1 9

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name: SEAN GALLIVAN — Signature: [signature] — Month 0 9 Day 0 6 Year 1 9

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name: — Signature: — Month Day Year

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA

PACKING SUMMARY

Generator Number: 660556
New York State Department of Environmental Conservation
22222 Salmon Run Mall Road
Watertown, NY 13601

Manifest Number: 2200450721
Field System ID: YG
Work Order Number: 3297296000
Date Shipped: 06/06/2019

Attn:
EPA ID: NYCESQG

Container#: YG-3297296000-004 Waste Area: Manifest Page/Line: 01 / 1

WIP: 473013 DisposalCode: SNRLFSOLID-MH PHY State: S

Date Accumulated: 06/06/2019 Gen Drum ID:

Shipping Name: NON REGULATED DOT NON REGULATED, (PPE/PLASTIC SHEETING)

No. of Commons: ~~1~~ 1 Outer Container: 55IA2-DM Inner Container:

Primary Waste Codes: NONE,L PCB Serial #: OOS Date: / /

Total Cmns Wt: ~~200~~ 50 SIC: 3599 Source: G39 Form: W301 System: H141 Cubic Ft.: 7.50

Individual Common Weights: ~~100, 100~~ (POUNDS) 50

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		NON HAZARDOUS PPE/PLASTIC SHEETING (100%)	NONE, L

Container#: YG-3297296000-003 Waste Area: Manifest Page/Line: 01 / 2

WIP: 473016 DisposalCode: SNRLFSOLID-MH PHY State: S

Date Accumulated: 06/06/2019 Gen Drum ID:

Shipping Name: NON REGULATED DOT NON REGULATED, (SOIL/ROCK CHIPS)

No. of Commons: ~~11~~ 11 Outer Container: 55IA2-DM Inner Container:

Primary Waste Codes: NONE,L PCB Serial #: OOS Date: / /

Total Cmns Wt: ~~6,600~~ 6,600 SIC: 3599 Source: G39 Form: W301 System: H141 Cubic Ft.: 7.50

Individual Common Weights: ~~600, 600, 600, 600, 600, 600, 600, 600, 600, 600, 600~~ (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		11x 6001b SOIL & ROCK CHIPS (100%)	NONE, L

Container#: YG-3297296000-002 Waste Area: Manifest Page/Line: 01 / 3

WIP: 473017 DisposalCode: SNRLFLIQ-MH PHY State: L

Date Accumulated: 06/06/2019 Gen Drum ID:

Shipping Name: NON-REGULATED MATERIAL, NON-RCRA, NON-DOT., (WATER)

No. of Commons: ~~24~~ 24 Outer Container: 55IA2-DM Inner Container:

Primary Waste Codes: NONE,L PCB Serial #: (56) OOS Date: / /

Total Cmns Wt: ~~9,600~~ 9,600 SIC: 3599 Source: G49 Form: W219 System: H141 Cubic Ft.: 7.50

Individual Common Weights: ~~400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400, 400~~ (POUNDS)

Units	Container Size	Net Weight	Chemical Name	EPA/State Codes
1	55 GAL		24x 400 lb NON HAZ WATER (100%)	NONE, L

FORM# VES-6

VEOLIA

Activity Report

JOB NO: 3297298000 WO NO: 3297298000
BILL DOC NO 9809386289 EPA ID: NYCE600
GENERATOR NO 680536

BILL TO: O'BRIEN & GERE ENGINEERS INC.
333 West Washington Street
Syracuse, NY 13202
(315) 956-6571

JOB SITE: New York State Department of Environmental Conservation
22222 Salmon Run Mall Road
Watertown, NY 13601
(315) 956-6571

CONTACT: David Carnevale

CONTACT: David Carnevale

MANIFEST NUMBER(S):
ZZ00450721

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		06/10/2019	NY2

DESCRIPTION	# CONT.	CONT.CODE	QTY	UOM	PG/LN	WASTE AREA
Manifest # ZZ00450721 WP 473019 / Approval SRRLFSOLID-NH NON HAZ PPE/PLASTIC SHEETING	1	55TA2-DM	50	P	1 / 1	
Manifest # ZZ00450721 WP 473016 / Approval SRRLFSOLID-NH NON HAZ SOIL/ROCK CHIPS	11	55TA2-DM	6,600	P	1 / 2	
Manifest # ZZ00450721 WP 473017 / Approval SRRLFLIQ-NH NON HAZ WATER	24	55TA2-DM	9,600	P	1 / 3	

Total Hours: 0

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

FORM# VES-6

VEOLIA

Activity Report

JOB NO: 3297208080 WO NO: 3297208080
BILL DOC NO Y6003362269 EPA ID: NYCES005
GENERATOR NO 080558

BILL TO:O'BRIEN & GERE ENGINEERS INC.
333 West Washington Street
Syracuse, NY 13202
(315) 956-6571

JOB SITE: New York State Department of Environmental Conservation
32222 Salmon Run Mall Road
Watertown, NY 13601
(315) 956-6571

CONTACT: David Carnevale

CONTACT: David Carnevale

MANIFEST NUMBER(S):
Non-Disposable

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERR.
		08/30/2019	NY2

DESCRIPTION	J CONT.	CONT.CODE	QTY	UOM	PG/LN	WASTE AREA
08/04/2019 Manpwr.- MATERIAL PICK-UP CHARGE		080	1@1	EACH	/	
08/04/2019 Manpwr.- FIELD SUPERVISOR - 12:00 PM to ~~2:00~~ 1:30 PM		125	1@1.5	HOUR	/	

Total Hours: 3

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

FORM# VES-6

VEOLIA

Activity Report

JOB NO: 3297286000 WO NO: 3297286000
BILL DOC NO YG0396269 EPA ID: NYCESQ43
GENERATOR NO 680558

BILL TO: O'BRIEN & GERE ENGINEERS INC.

333 West Washington Street
Syracuse, NY 13202
(315) 956-6571

JOB SITE: New York State Department of Environmental Conservation
23222 Salmon Run Mall Road
Watertown, NY 13601
(315) 956-6571

CONTACT: David Carnevale

CONTACT: David Carnevale

MANIFEST NUMBER(S):
Non-Disposals

CUSTOMER P.O. NUMBER	PROJECT NUMBER	SHIP DATE	TERM
		06/06/2019	NY2

Comments:

Signature: Ivonne Perez as agent for NYSDEC

Print Name: Ivonne Perez as agent for NYSDEC

Customer authorizes Contractor to make changes on Customer's behalf in regards to transporters used and to perform I Services, including adding or changing transporters listed on manifests. If Customer provides an approved transporter li writing to Contractor at the time Customer executes this Agreement, Contractor shall select only those transporters on th when providing transportation services to Customer. If Customer does not provide an approved transporter list in writing Contractor at the time Customer executes this Agreement, Customer authorizes Contractor to select any permitted trans to provide transportation services to Customer.

Veolia Environmental Solutions is permitted for and has capacity to accept waste listed above in container quantities.

FORM# VES-6