



Mr. Maurice Moore  
Project Manager  
New York State Department of Environmental Conservation  
270 Michigan Avenue, Buffalo, NY 14203

August 27, 2019

**Re: Quarterly Groundwater Sampling Report – 2Q2019: April 1, 2019 to June 30, 2019  
Call Out # 134697: Former Vibratex, Inc., 537 East Delavan Avenue, Buffalo, NY  
Standby Investigation and Remediation Services Contract (C100061)  
New York State Department of Conservation (NYSDEC) Site #915165**

Dear Mr. Moore,

LiRo Engineers, Inc. (LiRo) has prepared this *Quarterly Groundwater Sampling Report - 2Q2019: April 1, 2019 to June 30, 2019*, in support of New York State Department of Environmental Conservation (NYSDEC) remedial investigation and interim remedial measure (IRM) at the Vibratex, Inc. Site located at 537 East Delavan Avenue, Buffalo, NY (Site) (see Figures 1 and 2) in response to Call Out #134697.

### **SITE BACKGROUND**

The Site is identified by the City of Buffalo Assessor's Office as SBL number 90.77-6-1.1. The property totals approximately 10.5 acres in size. The Site is surrounded by residential, commercial and industrial properties. The Site is bounded by East Delavan Avenue to the North, Northland Avenue to the south, Winchester Avenue to the west, and Longview Avenue to the east.

The Site is currently listed on the NYS Registry of Inactive Hazardous Substances sites as Site Number 915165. The Site is classified as a Class 2 site which applies to a site that ... *"the disposal of hazardous waste has been confirmed and the presence of such hazardous waste or its components or breakdown products represents a significant threat to public health or the environment ..."*

### **Site History**

The facility reportedly was initially constructed in 1927 with several additions to the original building completed between 1927 and 1944. The original owner of the facility was Houdaille Industries and their subsidiaries. Other owners and occupants of the Site since Houdaille include; British Arms, Buffalo Arms, Vibratex, Interstate Tires, Buffalo Powder Coatings, World Series of Sports Promotions, and Buffalo Salvage. Beginning with Houdaille, the Site was primarily used for the manufacture of vibration dampeners and shock absorbers for the trucking and railroad industries. These operations continued until the mid-1990's when Vibratex closed operations at this location. The Site is currently owned by Buffalo Urban Development Corp. (BUDC) which is preparing the Site for re-development. In 2017, a majority of Site structures were demolished and removed by BUDC, subsequently most of the Site area is now exposed floor slabs from the main floor and basement with relatively few remaining structures (see Figure 2).

Significant historic operational features at the Site include the former degreaser storage room with three former 10,000-gallon underground storage tanks (USTs), the former four 12,000-gallon fuel oil above-ground storage tanks (ASTs) and the Deep Sump (see Figure 2). The Deep Sump is an approximately 9-inch diameter, formerly 202.5 foot deep open-hole bedrock well. The Deep Sump was presumably completed prior to the construction of the building in 1927 and used as a source of cooling water. Two lengths of 1.5-inch inner diameter brass pipe were discovered in the bottom of the well during the February 2019 Geophysical Investigation of the Deep Sump. After the pipe tops were removed, well-sand was placed in the well from 202.5 feet bgs to approximately 105 feet bgs and then topped with bentonite chips up to approximately 81.82 feet bgs. A downhole camera investigation conducted in August 2019 confirmed the top of the bentonite



chips (i.e. the new bottom of the well) at approximately 558.38 feet AMSL (i.e. 81.82 feet bgs) and the absence of any remnant pipes protruding through the bentonite at the bottom of the well.

### **CONCEPTUAL SITE MODEL**

#### **Site Setting and Geology**

The majority of the Site is covered by remnant concrete and asphalt floor-slabs, a few industrial buildings and a large asphalt parking lot (in the southeast quadrant of the Site) with a ground elevation ranging from approximately 655 feet above mean sea level (AMSL) to the north (i.e. along East Delavan Avenue) to 640 feet AMSL to the south (i.e. along Northland Avenue). Ground surface is underlain by unconsolidated glacial ground-moraine and anthropogenic sandy gravel fill containing ash and cinders to a depth of 1 to 12 feet below ground surface. Natural soils identified below the fill consist of fine textured lake deposited sediment with a clayey-silt texture and/or glacial deposits extending to the top of bedrock located 2 to 12 feet below ground surface. Near surface bedrock is fractured Onondaga Limestone Formation from approximately 2 to 15 feet bgs becoming massive from approximately 15 to 40 feet bgs with few fractures. Below the Onondaga, by increasing depth from ground surface, are the Akron Dolostone (approximately 40 to 48 feet bgs), the Bertie Formation, consisting of dolostone, shale and mudstone (approximately 48 to 86 feet bgs) which is subdivided into the Williamsville Member (approximately 48 to 57 feet bgs), Scajaquada Member (approximately 57 to 64 feet bgs) and the Oatka Member (approximately 64 to 86 feet bgs). Below the Oatka Member of the Bertie Formation is the Camillus Shale (approximately 86 to 203+ feet bgs). The geologic depth intervals are estimated from the results of the Geophysical Investigation completed at the Deep Sump in February 2019. Geologic anticlines and synclines in the bedrock beneath the Site render all projected formation depths as approximate.

#### **Site Hydrogeology**

For discussion, groundwater at the Site is divided into four zones: A-Zone, B-Zone, C-Zone and D-Zone, based on overburden/bedrock geology reported in drilling logs, geophysical testing, hydraulic-conductivity packer-testing and discrete-zone groundwater sampling completed at the Site and in the Deep Sump.

#### **A-Zone: Shallow Groundwater**

The A-Zone is understood to be a relatively high flow zone within the upper Onondaga Limestone and overlying unconsolidated materials. The A-Zone thickness is variable mainly due to the variability in unconsolidated material thickness and thickness of the weathered/fractured portion of the surface bedrock but is typically found from near ground surface to a depth of approximately 16 feet bgs (i.e. 624 feet AMSL) in the vicinity of the Deep Sump.

Depth to A-Zone groundwater is generally 4 to 12 feet below ground surface with a groundwater surface that generally mimics ground-surface contours with hydraulic highs in the north and east and hydraulic lows in the west and south. It is presumed that shallow groundwater flow is influenced by utilities (i.e. sanitary and storm sewers) and the Scajaquada Interceptor/Tunnel Drain. The Scajaquada Drain is a large (45-feet wide) buried former creek-bed/drain-line that runs east/west and was excavated to an average of 8-feet into bedrock. The Scajaquada Drain is located approximately 1,250 feet south of the Site.

Typical hydraulic gradients in A-Zone groundwater range between 0.021 feet per foot (ft/ft) between MW-01-94 and LMW-03, and 0.029 ft/ft between MW-03-10 and MW-06-10.

With the exception of the Deep Sump, all groundwater samples collected during this monitoring period were collected from A-Zone monitoring wells.



#### B-Zone

The B-Zone is understood to be a relatively low hydraulic conductivity fracture zone in the Onondaga Limestone located between 23 feet bgs and 36 feet bgs (i.e. between 617 and 604 feet AMSL) in the vicinity of the Deep Sump. Up to three B-Zone monitoring wells are planned to be installed at the Site before the end of 4Q2019.

#### C-Zone

The C-Zone is understood to be a relatively high hydraulic conductivity fracture zone within and between Akron Dolostone and the upper Bertie Formation (i.e. Williamsville Member) and is located between 42 and 59 feet bgs (i.e. between 599 and 582 feet AMSL) in the vicinity of the Deep Sump. Up to three C-Zone monitoring wells are planned to be installed at the Site before the end of 4Q2019.

#### D-Zone

The D-Zone is understood to be a relatively high hydraulic conductivity fracture zone located entirely within the Camillus Shale below 85 feet bgs (i.e. below 555 feet AMSL) in the vicinity of the Deep Sump. There are no D-Zone monitoring wells planned for installation at the Site at this time.

#### Very Low Conductivity Zones

There were 3 distinct very low (i.e. no-flow) hydraulic conductivity zones that did not yield or accept water during the Deep Sump Packer Testing in April 2019. The zones were tested and observed in the bedrock intervals between the A/B Zones (i.e. between 17 and 23 feet bgs), the B/C Zones (i.e. 37 and 41 feet bgs) and the C/D Zones (i.e. 57 and 86 feet bgs). The horizontal extent and vertical integrity of these no-flow zones are unknown.

#### Site Contamination

There are two primary environmental concerns at the Site:

- 1) Free-Phase Oil (i.e. product) plume in soil, bedrock and groundwater in the southwest quadrant of the Site, and;
- 2) Groundwater chlorinated dissolved-phase plume in Site groundwater primarily comprised of a mix of: 1,1-Dichloroethane (1,1-DCA), 1,1,1-Trichloroethane (1,1,1-TCA), Cis-1,2-Dichloroethene (Cis-1,2-DCE) and Trichloroethene (TCE).

Secondary environmental concerns include: soil contamination (petroleum-related and chlorinated VOCs), a petroleum-related (i.e. VOCs and SVOCs) dissolved-phase groundwater plume, low concentrations of PCBs in Site groundwater/oil and the potential for soil-gas/vapor-intrusion derivative of the free-phase oil and the petroleum/chlorinated dissolved phase plumes.

#### Free-Phase Oil

There is a discontinuous source of free-phase oil located within the A-Zone bedrock and unconsolidated materials centered on monitoring wells MW-02-02, MW-03-02, MW-04-02 and MW-06-94. Thickness of free-phase oil in these wells typically ranges between 0.20 and 1.25 feet. There are also frequent observations of free-phase oil in MW-05-94 and MW-08-03 with typical thicknesses measured between 0.01 and 0.25 feet.

The presumptive source of observed free-phase oil are the former and historic ASTs located south of the Boiler Room (see Figure 2), the various other historic ASTs and USTs utilized at the Site and the former industrial processes that used/released oil at the Site. The ASTs and USTs at the Site were reported removed between 1994 and 2006. With the removal of the AST/USTs along with the removal of a large volume of associated contaminated soil in the former rail spur in 1997, it is understood that the primary source of



oil/petroleum contamination at the Site has been removed. The remaining oil/petroleum contamination is residual in nature with an unknown total volume/mass. The assumed migration pathway of the free-phase oil is through vertical and horizontal bedrock fractures.

#### Chlorinated Dissolved-Phase Plume

There is a groundwater chlorinated dissolved-phase plume centered on LMW-02 (historically MW-05-10) in the vicinity of the former degreaser storage room and former 10,000-gallon degreaser/fuel oil USTs. The chlorinated dissolved-phase plume has been observed in A-Zone groundwater and is presumed to also be present in B-Zone and C-Zone groundwater, based on April 2019 Deep Sump discrete zone sampling results. However, the extent and source of B-Zone and C-Zone dissolved phase plumes is unknown. Planned B-Zone and C-Zone monitoring wells are designed to determine pathways, extent and magnitude of lower zone groundwater contamination.

#### **QUARTERLY MONITORING**

Quarterly monitoring at the Site for the 2Q2019 period of April 1, 2019, through June 30, 2019, (see Table 1) included quarterly water level gauging from accessible Site wells and quarterly sampling from twenty-two active Site wells (see Table 2). All groundwater samples were submitted for the following analysis:

- 1) Volatile Organic Compound (VOCs): USEPA Target Compound List (TCL) Method 8260C
- 2) Semi-Volatile Organic Compound (SVOCs): USEPA Target Compound List (TCL) Method 8270D
- 3) Total Metals: USEPA Method 3005A (preparation) USEPA Method 6010C (analysis)
  - a. Mercury: USEPA Method 7470A (preparation and analysis)
- 4) Organochlorine Pesticides (Pesticides): USEPA Method 8081B
- 5) Polychlorinated Biphenyls (PCBs): USEPA Method 8082A
- 6) Petroleum Products (Hydrocarbons): USEPA Method 310-13, and
- 7) 1,4-Dioxane: USEPA Method Sim 8270D

Where applicable, laboratory results are compared to the NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) (TOGS) Ambient Water Quality Standards and Guidance Values (AWQSGVs), 1998, with addenda through 2004. 1,4-Dioxane results are compared to a reference concentration drawn from the NYSDEC's *Emerging Contaminant Sampling Initiative*: January 2019.

A Baseline groundwater sampling event was completed between October 2018 and April 2019 when 19 Site well locations were sampled. Tabulated summaries of Baseline sampling results are provided in Attachment A.

A summary of 2Q2019 sampling analytical parameters and sampling dates for each location is provided in Table 3. Groundwater sampling purge logs from the 2Q2019 sampling event are provided in Attachment B and laboratory analytical data reports are provided in Attachment D. A table summary listing sample locations and dates for each 2Q2019 laboratory analytical data report is provided in Appendix D.

Quarterly monitoring also includes an IRM of periodic removal of free-phase oil (i.e. product) from Site monitoring wells. During 2Q2019 approximately 6-gallons of free-phase oil were removed from Site wells with a total of approximately 12-gallons, documented by well, since September 25, 2018. However, based on the total volume of separated free-phase oil that has been accumulated for temporary storage on-site, a total of approximately 30 gallons of free-phase oil have been removed from Site wells by bailer and vacuum since June 2018. A summary of Site 2Q2019 IRM free-phase oil removal activities and estimated volumes of water and oil effluent is provided in Attachment C.





## **FIELD ACTIVITIES**

Groundwater gauging was conducted for the monitoring period on June 7, 2019 (see Table 4).

Groundwater sampling was performed on twenty-one Site monitoring wells and the Deep Sump between May 21, 2019, and June 21, 2019. All monitoring wells were sampled using purging by bailer of 3-well volumes (or until well went dry) prior to sample collection. Deep Sump samples were collected using low flow methods (i.e. not purged) due to the large calculated single-well volume (i.e. approximately 250 gallons). There were five (5) duplicate samples collected during sampling at selected wells (i.e. MW-03-02, MW-06-94, MW-06-10, MW-08-03 and the Deep Sump). Both initial and duplicate sample results are provided in results summary tables, but the higher reported concentration for individual compound concentrations (if applicable) will be referenced in the narrative discussion and figures for each location.

## **CURRENT CONDITIONS – GROUNDWATER**

### **Hydrogeology**

The overall shallow groundwater regional flow direction in the vicinity of the Site is to the west and southwest toward Lake Erie and Upper Niagara River.

### **A-Zone Groundwater Flow**

On June 7, 2019, depth to A-Zone groundwater ranged from 3.96 to 19.00 feet bgs (Table 4). Groundwater elevations varied between 633.10 and 642.49 feet above mean sea level (AMSL). Groundwater elevation contours, calculated using the June 7, 2019, levels (i.e. excluding the Deep Sump) are presented in Figure 3 and shows the overall groundwater direction of flow at the Site is to the west.

### **2Q2019 Sample Results**

For the 2Q2019 sampling event there were twenty-seven samples collected from Site wells (twenty-two initial samples and five duplicates). Where applicable, 2Q2019 sample results are compared to the most recent previous sampling results in at each location (typically the October 2018 to April 2019 Baseline sampling event, see Attachment A).

### **VOCs**

The 2Q2019 groundwater results reported one or more VOCs at concentrations above the NYSDEC AWQSGVs in seventeen of twenty-two sampling locations (see Table 5). Total VOC concentrations were reported between 0.96 µg/L (MW-01-94) and 16,954 µg/L (LMW-02). There were eleven individual VOCs reported at concentrations above their NYSDEC AWQSGVs in the 27 samples.

The highest total VOC concentration (i.e. 16,954 µg/L) for the 2Q2019 sampling event was reported in A-Zone groundwater at LMW-02 located in the vicinity of the former degreaser storage room (as identified in the 2014 GZA Phase II Report). It should be noted that, the location of LMW-02 was selected, in part, as a replacement to MW-05-10 (decommissioned) which reported highest total VOCs (16,456 µg/L) at the Site in October 2014.

Of the 22 locations sampled in 2Q2019, there were 19 locations previously sampled for VOCs during the Baseline sampling event. When 2Q2019 total VOC sample results are compared to the most recent previous sampling results in at each location there were 13 locations that reported a decrease in total VOCs, 5 that reported an increase, 1 that reported no change and 3 that were not previously sampled. Of the 3 that were not previously sampled, no historic VOC results were found in the FOIL reports and documents provided by the NYSDEC.



The shallow/upper groundwater zone (i.e. A-Zone) dissolved phase VOC plume is centered on LMW-02 (i.e. the former degreaser storage room) with a southern leg to the plume extending to MW-07-03. This trend may follow the north south storm-sewer beneath the large parking in the east of the Site. The Site dissolved phase plume in the A-Zone may be discontinuous between LMW-02 and the Deep Sump, as indicated by the VOC concentrations reported in the LMW-03 groundwater sample.

#### **2Q2019 Sample Results: SVOCs**

The 2Q2019 groundwater results reported one or more SVOC concentrations above NYSDEC AWQSGVs in four of 22 sampling locations (see Table 6). Total SVOC concentrations were reported between below the laboratory reporting limit (i.e. non-detect [ND]) in nineteen monitoring wells and 897 µg/L (MW-07-03). There were seven individual SVOCs with reported at concentrations above their NYSDEC AWQSGVs in the 27 samples.

The highest total SVOC sample concentration (i.e. 897 µg/L) for the 2Q219 sampling event was reported in A-Zone groundwater at MW-07-03 located in the vicinity of the fuel oil ASTs and UST near the remaining boiler room structure.

Of the 22 locations sampled in 2Q2019, there were 19 locations sampled for the Baseline sampling. When 2Q2019 SVOC sample results are compared to the most recent sampling results in at each location there were 7 locations that reported a decrease in total SVOCs, 6 that reported an increase, 6 that reported no change and 3 that were not previously sampled. Of the 3 that were not previously sampled, no SVOC results were found in FOIL reports and documents provided by the NYSDEC.

The shallow/upper groundwater zone (i.e. A-Zone) dissolved phase SVOC plume is centered on MW-07-03. The Site dissolved phase SVOC plume is limited with few wells reporting concentrations above AQWSGVs.

#### **2Q2019 Sample Results: Metals (Dissolved)**

The 2Q2019 groundwater results reported one or more Metals concentrations above NYSDEC AWQSGVs in twenty of 22 sampling locations (see Table 7). Individual Metals concentrations were reported between ND and 168 mg/L (MW-03-10: Calcium).

2Q2019 Metals sample results with concentrations reported above AWQSGVs are all typical constituents of natural groundwater geochemistry and are not indicative of impacts from the Site. Reported concentrations are within the normal range for anions/cations found within bedrock groundwater as reported by the United States Geologic Survey (USGS) in *Ground-Water Quality in Western New York, 2006*, Open-File Report 2008-1140.

#### **2Q2019 Sample Results: Pesticides**

The 2Q2019 groundwater results reported one or more Pesticide concentrations above NYSDEC AWQSGVs in eight of 22 sampling locations (see Table 8). Individual Pesticide concentrations were reported between ND and 0.20 µg/L (MW-07-03: Endosulfan Sulfate). There were three individual Pesticides with reported at concentrations above their NYSDEC AWQSGVs in the 27 samples.

The low concentrations of pesticides in Site groundwater sample results were distributed across the Site in both up-gradient (i.e. MW-02-10) and down-gradient (i.e. MW-07-94) Site wells.

#### **2Q2019 Sample Results: Poly-Chlorinated Biphenyl (PCB) Compounds**

The 2Q2019 groundwater results reported one or more PCBs at concentrations above NYSDEC AWQSGVs in two of 27 samples (see Table 9). Individual PCB concentrations were reported between ND and 0.63 µg/L



(MW-08-03: Arochlor 1254). The NYSDEC Standard for Total PCBs is 0.09 µg/L which was also used to evaluate each individual PCB Arochlor.

Neither MW-01-02 nor MW-08-03, were sampled for PCBs during the Baseline sampling event or in previous historic sampling events, and a comparison of previous results cannot be made.

#### **2Q2019 Sample Results: Hydrocarbons**

A summary of the 2Q2019 groundwater Hydrocarbon sample results are provided in Table 10.

The Hydrocarbons sample results indicate the presence of Motor Oil, Fuel Oil #2 and Diesel in Site groundwater and the absence of Gasoline and Kerosene. Motor Oil was the most frequently reported Hydrocarbon in 2Q2019 sample results.

#### **2Q2019 Sample Results: 1,4-Dioxane**

The 2Q2019 groundwater results reported 1,4-Dioxane concentrations above the NYSDEC's reference concentration drawn from the *Emerging Contaminant Sampling Initiative*: January 2019, in fourteen of 22 sampling locations (see Table 11). 1,4-Dioxane concentrations were reported between ND and 370 µg/L (Deep Sump). The 1,4-Dioxane sample results indicate a widespread distribution across the Site centered on the Deep Sump. The Baseline sampling event reported similar results.

### **RECOMMENDATIONS**

#### **Proposals**

Based on the 2Q2019 sampling results, LiRo makes the following proposals:

- 1) Remove the SVOCs sampling parameter from the Table 1 list of quarterly groundwater sample parameters due to the low concentrations reported in both the Baseline and 2Q2019 groundwater sampling results.
- 2) Remove the Metals (including Mercury) sampling parameter from the Table 1 list of quarterly groundwater sample parameters due to the relatively low concentrations (when compared to AWQSGVs) and the general absence of non-nuisance (i.e. absence of human health/environmental impact) exceedance concentrations reported in both the Baseline and 2Q2019 groundwater sampling results.
- 3) Remove the Pesticides category sampling parameter from the Table 1 list of quarterly groundwater sample parameters due to the relative low concentrations reported in both the Baseline and 2Q2019 groundwater sampling results.
- 4) Remove the Petroleum Products (i.e. Hydrocarbons) category sampling parameter from the Table 1 list of quarterly groundwater sample parameters due to the absence of AWQSGVs for evaluation and the consistence of intra-well results in the Baseline and 2Q2019 groundwater sampling results.
- 5) Collect both filtered and unfiltered PCB groundwater samples from MW-01-02 and MW-08-03, to evaluate the possible presence of colloidal suspension of PCB-infused oil micro-droplets, as a possible source of the reported low concentrations of PCBs in the 2Q2019 groundwater samples from these two locations.
- 6) Submit a Site representative composite oil sample for analysis of PCBs (USEPA Method 8082).



Should you have any questions regarding this matter please contact me anytime at 716-882-5476 ext. 417.

Sincerely,

**LiRo Engineers, Inc.**

A handwritten signature in blue ink, appearing to read 'Craig Taylor', is written over a faint, larger blue ink signature that is partially obscured.

Craig Taylor, PG  
Project Manager

**LIST of TABLES, FIGURES and ATTACHMENTS****TABLES**

Table 1 – Site Monitoring Program  
Table 2 – Summary of Site Well Construction Data and Status  
Table 3 – Summary of Groundwater Sampling by Location, Date and Parameter  
Table 4 – Summary of Water Level Gauging Data – June 7, 2019  
Table 5 – Summary Groundwater Analytical Results: 2Q2019 – VOCs  
Table 6 – Summary Groundwater Analytical Results: 2Q2019 - SVOCs  
Table 7 – Summary Groundwater Analytical Results: 2Q2019 - Metals  
Table 8 – Summary Groundwater Analytical Results: 2Q2019 - Pesticides  
Table 9 – Summary Groundwater Analytical Results: 2Q2019 - PCBs  
Table 10 – Summary Groundwater Analytical Results: 2Q2019 - Hydrocarbons  
Table 11 – Summary Groundwater Analytical Results: 2Q2019 – 1,4-Dioxane

**FIGURES**

Figure 1 – Site Location Map  
Figure 2 – Site Plan  
Figure 3 – Groundwater Contour Map – June 7, 2019  
Figure 4 – Groundwater Sample Results – Total VOCs and SVOCs

**ATTACHMENTS**

Attachment A Baseline Sample Results - October 2018 to April 2019 (Electronic Copy Only)  
Attachment B Well Purge Logs (Electronic Copy Only)  
Attachment C Product Removal Field Activities and Estimated Volume (Electronic Copy Only)  
Attachment D Laboratory Analytical Reports (Electronic Copy Only)





**TABLES**

**TABLE 1**  
**QUARTERLY MONITORING SCHEDULE**  
**2Q2019**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| <b>SITE:</b><br><b>Vibratech, Inc.</b><br><b>537 East Delavan Avenue</b> |                    |                                                                                            | <b>EVENT</b>                                                                                          |                                                                                                            |                                                                     |
|--------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
|                                                                          |                    |                                                                                            | <b>SITE ROUTINE</b>                                                                                   |                                                                                                            |                                                                     |
|                                                                          |                    |                                                                                            | <b>OPERATION and MAINTENANCE</b>                                                                      |                                                                                                            |                                                                     |
| <b>TASK</b>                                                              | <b>MONITORING</b>  |                                                                                            | <b>FREQUENCY</b><br>Each Visit, Monthly, Quarterly,<br>Semi-Annual, Annual or<br>As Observed/Required | <b>LIST</b><br>(Sub list of locations<br>for specific task)                                                | <b>NOTES</b><br>(Specific Instructions & Comments)                  |
|                                                                          |                    | Site Well<br>Groundwater Level<br>Gauging<br>and Free-Product<br>Thickness<br>Measurements | Quarterly                                                                                             | All active Site Monitoring Wells (21 locations)<br>and Deep Sump                                           | Count = 22 locations.                                               |
|                                                                          |                    | Groundwater<br>Sampling                                                                    | Quarterly                                                                                             | All active Site Monitoring Wells (21 locations)<br>and Deep Sump                                           | Count = 22 locations.                                               |
|                                                                          | <b>IRM</b>         | Sample<br>Product                                                                          | As Directed                                                                                           | --                                                                                                         | --                                                                  |
|                                                                          |                    | Product Removal<br>from Site Wells                                                         | Daily, or<br>as warranted                                                                             | Routine Vacuum Removal<br>of free-product from Site wells                                                  | Any Site well with measurable<br>(i.e. >0.01-feet) free- product.   |
|                                                                          |                    | Recovered<br>Fluids<br>Processing                                                          | Daily, or<br>as warranted                                                                             | Process recovered fluids to separate oil and water.                                                        | Maintain Accurate<br>Records of Water versus Oil<br>Volumes Removed |
|                                                                          | <b>REPORTING</b>   | Accumulated<br>Free-Product and<br>Fluids Disposal                                         | Quarterly                                                                                             | Collect Water Sample for Removal and Disposal.                                                             |                                                                     |
|                                                                          |                    | Check Well<br>Condition                                                                    | Quarterly                                                                                             | All accessible Site wells                                                                                  | --                                                                  |
|                                                                          |                    | IRM                                                                                        | Weekly/Monthly<br>as warranted                                                                        | Equipment Maintenance.                                                                                     | --                                                                  |
|                                                                          | <b>MAINTENANCE</b> | Analytical<br>Data                                                                         | Quarterly                                                                                             | Summarize all data for monitoring period.                                                                  | --                                                                  |
|                                                                          |                    | Site Monitoring<br>Program Status                                                          | Quarterly                                                                                             | Review analytical results and make<br>recommendaions for changes<br>to SMP as necessary                    | --                                                                  |
|                                                                          |                    | IRM Status                                                                                 | Quarterly                                                                                             | Review recovery volumes, analytical results<br>and make recommendations for changes<br>to IRM as necessary | --                                                                  |

TABLE 2  
SUMMARY OF SITE WELL CONSTRUCTON DATA AND STATUS  
2Q2019  
NYSDEC - VIBRATECH SITE, SITE #915165  
CITY OF BUFFALO, NEW YORK

| Well ID                | Current Status<br>June 2018 | Driller | Original Completion Type<br>(FM/SU) | Date Completed | Ground Elevation | MP Elevation | ToR      |           | BoH      |           | Top of Sandpack |           | Bottom of Sandpack |           | Screen    |                 |           |             | Top of Screen |           | Bottom of Well/Screen |           |
|------------------------|-----------------------------|---------|-------------------------------------|----------------|------------------|--------------|----------|-----------|----------|-----------|-----------------|-----------|--------------------|-----------|-----------|-----------------|-----------|-------------|---------------|-----------|-----------------------|-----------|
|                        |                             |         |                                     |                |                  |              | Feet BGS | Feet AMSL | Feet BGS | Feet AMSL | Feet BGS        | Feet AMSL | Feet BGS           | Feet AMSL | Material  | Diameter Inches | Slot Size | Length Feet | Feet BGS      | Feet AMSL | Feet BGS              | Feet AMSL |
| Deep Well <sup>3</sup> | Active                      | Unknown | SU                                  | Unknown        | 640.20           | 642.28       | 6.8      | 633.40    | 81.82    | 558.38    | NA              |           | NA                 |           | OH        | NA              | NA        | NA          | NA            | NA        | 81.82                 | 558.38    |
| LMW-01                 | Active                      | SJB     | FM                                  | 4/15/2019      | 651.81           | 651.81       | 4.40     | 647.41    | 20.60    | 631.21    | 9.00            | 642.81    | 20.60              | 631.21    | SS        | 2.00            | 0.10      | 10.00       | 10.60         | 641.21    | 20.60                 | 631.21    |
| LMW-02                 | Active                      | SJB     | FM                                  | 4/16/2019      | 651.00           | 651.00       | 4.40     | 646.60    | 20.90    | 630.10    | 9.00            | 642.00    | 20.90              | 630.10    | SS        | 2.00            | 0.10      | 10.00       | 10.30         | 640.70    | 20.30                 | 630.70    |
| LMW-03                 | Active                      | SJB     | FM                                  | 4/17/2019      | 651.00           | 651.00       | 5.90     | 645.10    | 21.10    | 629.90    | 9.00            | 642.00    | 21.10              | 629.90    | SS        | 2.00            | 0.10      | 10.00       | 10.85         | 640.15    | 20.85                 | 630.15    |
| MW-01-94               | Active                      | CRA     | FM                                  | 3/17/1994      | 653.40           | 653.26       | 4.00     | 649.40    | 13.00    | 640.40    | 2.30            | 651.10    | 13.00              | 640.40    | SS        | 2.00            | 0.10      | 10.00       | 3.00          | 650.40    | 13.00                 | 640.40    |
| MW-01-02               | Active                      | NW      | FM                                  | 1/18/2002      | 647.02           | 646.68       | 12.50    | 634.52    | 16.80    | 630.22    | 4.50            | 642.52    | 16.80              | 630.22    | SS        | 2.00            | 0.10      | 10.00       | 5.50          | 641.52    | 15.50                 | 631.52    |
| MW-01-10               | Active                      | CME     | SU                                  | 1/27/2010      | 648.39           | 651.99       | 7.0      | 641.39    | 17.4     | 630.99    | 9.20            | 639.19    | 20.20              | 628.19    | SS        | 2.00            | Unk       | 10.00       | 10.20         | 638.19    | 20.20                 | 628.19    |
| MW-02-94               | Active                      | CRA     | FM                                  | 3/18/1994      | 640.32           | 639.79       | 5.30     | 635.02    | 16.30    | 624.02    | 9.50            | 630.82    | 16.30              | 624.02    | SS        | 2.00            | 0.10      | 5.00        | 10.70         | 629.62    | 15.70                 | 624.62    |
| MW-02-02               | Active                      | NW      | FM                                  | 1/21/2002      | 643.80           | 643.43       | 8.80     | 635.00    | 12.00    | 631.80    | 5.50            | 638.30    | 12.00              | 631.80    | SS        | 2.00            | 0.10      | 5.00        | 6.90          | 636.90    | 11.90                 | 631.90    |
| MW-02-10               | Active                      | CME     | SU                                  | 1/28/2010      | 651.65           | 655.03       | 5.5      | 646.15    | 15.7     | 635.95    | 7.10            | 644.55    | 18.10              | 633.55    | SS        | 2.00            | Unk       | 10.00       | 8.10          | 643.55    | 18.10                 | 633.55    |
| MW-03-02               | Active                      | NW      | FM                                  | 1/21/2002      | 643.65           | 643.25       | 8.20     | 635.45    | 13.10    | 630.55    | 6.50            | 637.15    | 13.10              | 630.55    | SS        | 2.00            | 0.10      | 5.00        | 7.50          | 636.15    | 12.50                 | 631.15    |
| MW-03-10               | Active                      | CME     | SU                                  | 2/3/2010       | 653.92           | 657.4        | 5.5      | 648.42    | 15.3     | 638.62    | 6.55            | 647.37    | 17.55              | 636.37    | SS        | 2.00            | Unk       | 10.00       | 7.55          | 646.37    | 17.55                 | 636.37    |
| MW-04-02               | Active                      | NW      | FM                                  | 1/22/2002      | 641.10           | 640.82       | 5.10     | 636.00    | 10.40    | 630.70    | 4.00            | 637.10    | 10.40              | 630.70    | SS        | 2.00            | 0.10      | 5.00        | 4.50          | 636.60    | 9.50                  | 631.60    |
| MW-05-94               | Active                      | CRA     | FM                                  | 10/21/1994     | 645.15           | 644.89       | 3.50     | 641.65    | 8.80     | 636.35    | 2.80            | 642.35    | 8.80               | 636.35    | SS        | 2.00            | 0.10      | 5.00        | 3.80          | 641.35    | 8.80                  | 636.35    |
| MW-06-94               | Active                      | CRA     | FM                                  | 10/21/1994     | 647.34           | 647.08       | 10.00    | 637.34    | 15.90    | 631.44    | 10.00           | 637.34    | 16.00              | 631.34    | SS        | 2.00            | 0.10      | 5.00        | 11.50         | 635.84    | 15.90                 | 631.44    |
| MW-06-10               | Active                      | CME     | FM                                  | 2/1/2010       | 648.57           | 648.11       | 9.1      | 639.47    | 19.4     | 629.17    | 7.71            | 640.86    | 18.71              | 629.86    | SS        | 4.00            | Unk       | 10.00       | 8.71          | 639.86    | 18.71                 | 629.86    |
| MW-07-94               | Active                      | CRA     | FM                                  | 10/21/1994     | 640.77           | 640.46       | 3.70     | 637.07    | 8.40     | 632.37    | 2.40            | 638.37    | 8.40               | 632.37    | SS        | 2.00            | 0.10      | 5.00        | 3.40          | 637.37    | 8.40                  | 632.37    |
| MW-07-03               | Active                      | NW      | FM                                  | 2003           | 644.75           | 653.47       | 5.50     | 639.25    | 16.30    | 628.45    | 4.00            | 640.75    | 16.30              | 628.45    | Sch40-PVC | 2.00            | 0.10      | 10.00       | 5.50          | 639.25    | 15.50                 | 629.25    |
| MW-08-03               | Active                      | NW      | FM                                  | 2003           | 644.50           | 653.76       | 5.00     | 639.50    | 15.50    | 629.00    | 3.00            | 641.50    | 15.00              | 629.50    | Sch40-PVC | 2.00            | 0.10      | 10.00       | 5.00          | 639.50    | 15.00                 | 629.50    |
| MW-10-03               | Active                      | NW      | FM                                  | 2003           | 645.59           | 645.26       | 3.50     | 642.09    | 14.00    | 631.59    | 2.50            | 643.09    | 14.00              | 631.59    | Sch40-PVC | 2.00            | 0.10      | 10.00       | 3.70          | 641.89    | 13.70                 | 631.89    |
| MW-11-03               | Active                      | NW      | FM                                  | 2003           | 645.24           | 645.02       | 1.80     | 643.44    | 15.00    | 630.24    | 3.00            | 642.24    | 15.00              | 630.24    | Sch40-PVC | 2.00            | 0.10      | 10.00       | 4.50          | 640.74    | 14.50                 | 630.74    |
| MW-13-03               | Active                      | NW      | FM                                  | 2003           | 646.60           | 646.42       | 5.00     | 641.60    | 16.00    | 630.60    | 3.00            | 643.60    | 16.00              | 630.60    | Sch40-PVC | 2.00            | 0.10      | 10.00       | 4.80          | 641.80    | 14.80                 | 631.80    |
| MW-04-10               | Decommissioned              | CME     | FM                                  | 2/4/2010       | 657.25           | Unk          | 9.8      | 647.45    | 20.2     | 637.05    | 9.20            | 648.05    | 20.20              | 637.05    | SS        | 4.00            | Unk       | 10.00       | 10.20         | 647.05    | 20.20                 | 637.05    |
| MW-05-10               | Decommissioned              | CME     | FM                                  | 2/2/2010       | 650.20           | Unk          | 3.6      | 646.60    | 14.0     | 636.20    | 3.00            | 647.20    | 14.00              | 636.20    | SS        | 4.00            | Unk       | 10.00       | 4.00          | 646.20    | 14.00                 | 636.20    |
| MW-03-94               | Destroyed                   | CRA     | FM                                  | 3/21/1994      | 641.50           | Unk          | 5.30     | 636.20    | 9.30     | 632.20    | 2.30            | 639.20    | 9.30               | 632.20    | SS        | 2.00            | 0.10      | 5.00        | 3.30          | 638.20    | 9.30                  | 632.20    |
| MW-04-94               | Destroyed                   | CRA     | FM                                  | 3/21/1994      | 644.00           | Unk          | 4.00     | 640.00    | 7.60     | 636.40    | 1.60            | 642.40    | 7.60               | 636.40    | SS        | 2.00            | 0.10      | 5.00        | 2.60          | 641.40    | 7.60                  | 636.40    |
| MW-05-02               | Destroyed                   | NW      | FM                                  | 1/22/2002      | 647.25           | 656.23       | 12.50    | 634.75    | 16.30    | 630.95    | 9.50            | 637.75    | 16.30              | 630.95    | SS        | 2.00            | 0.10      | 5.00        | 10.70         | 636.55    | 15.70                 | 631.55    |
| MW-06-03               | Destroyed                   | NW      | FM                                  | 2003           | 645.75           | 654.69       | 9.00     | 636.75    | 16.50    | 629.25    | 4.80            | 640.95    | 16.50              | 629.25    | Sch40-PVC | 2.00            | 0.10      | 10.00       | 5.80          | 639.95    | 15.80                 | 629.95    |
| MW-08-94               | Destroyed                   | CRA     | FM                                  | 10/24/1994     | 644.00           | 652.92       | 4.00     | 640.00    | 9.10     | 634.90    | 3.10            | 640.90    | 9.10               | 634.90    | SS        | 2.00            | 0.10      | 5.00        | 4.00          | 640.00    | 9.00                  | 635.00    |
| MW-09-03               | Destroyed                   | NW      | FM                                  | 2003           | 646.45           | 655.25       | 8.60     | 637.85    | 16.00    | 630.45    | 5.00            | 641.45    | 16.00              | 630.45    | Sch40-PVC | 2.00            | 0.10      | 10.00       | 5.70          | 640.75    | 15.70                 | 630.75    |
| MW-12-03               | Destroyed                   | NW      | FM                                  | 2003           | 653.00           | 653.00       | 6.50     | 646.50    | 16.50    | 636.50    | 4.00            | 649.00    | 16.50              | 636.50    | Sch40-PVC | 2.00            | 0.10      | 10.00       | 5.80          | 647.20    | 15.80                 | 637.20    |
| MW-14-03               | Destroyed                   | NW      | FM                                  | 2003           | 653.99           | 653.99       | 4.00     | 649.99    | 10.00    | 643.99    | 2.00            | 651.99    | 10.00              | 643.99    | Sch40-PVC | 2.00            | 0.10      | 4.50        | 4.00          | 649.99    | 8.50                  | 645.49    |

Notes:

- 1) Well Screen intervals for the 2010 series wells are unknown and presumed to be 10-feet from bottom of hole. Similarly, sand pack intervals are unknown and presumed to be 1-foot above top of screen.
- 2) CME = Central Mine Equipment, Associates, CRA = Conestoga-Rover and Associates, NW = Nature's Way Environmental, SU = Stick Up, FM = Flush Mount, OH = Open Hole, ToR = Top of Bedrock, BoH = Bottom of Hole, BGS = Below Ground Surface, AMSL = Above Mean Sea Level, SS = Stainless Steel and Sch-40-PVC = Schedule 40 Polyvinylchloride.
- 3) The bottom of the Deep Sump borehole was approximately 202.5 feet bgs until April 2019, when it was sealed with bentonite to a new bottom of 81.82 feet bgs.

**TABLE 3**  
**SUMMARY OF GROUNDWATER SAMPLING BY LOCATION, DATE AND PARAMETER**  
**2Q2019**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| <b>Sampling Location</b> | <b>VOCs</b> | <b>SVOCs</b> | <b>Dissolved Metals w/Mercury</b> | <b>Pesticides</b> | <b>PCBs</b> | <b>Petroleum Hydrocarbons</b> | <b>1,4-Dioxane</b> |
|--------------------------|-------------|--------------|-----------------------------------|-------------------|-------------|-------------------------------|--------------------|
| Deep Sump<br>DUP         | 6/6/2019    | 6/6/2019     | 6/6/2019                          | 6/6/2019          | 6/6/2019    | 6/6/2019                      | 6/6/2019           |
| LMW-01                   | 5/21/2019   | 5/21/2019    | 5/21/2019                         | 5/21/2019         | 5/21/2019   | 5/21/2019                     | 5/21/2019          |
| LMW-02                   | 5/29/2019   | 5/29/2019    | 5/29/2019                         | 5/29/2019         | 5/29/2019   | 5/29/2019                     | 5/29/2019          |
| LMW-03                   | 5/29/2019   | 5/29/2019    | 5/29/2019                         | 5/29/2019         | 5/29/2019   | 5/29/2019                     | 5/29/2019          |
| MW-01-94                 | 5/22/2019   | 5/29/2019    | 5/29/2019                         | 5/29/2019         | 5/29/2019   | 5/29/2019                     | 5/29/2019          |
| MW-01-02                 | 5/20/2019   | 5/20/2019    | 5/20/2019                         | 5/20/2019         | 5/20/2019   | 5/20/2019                     | 5/20/2019          |
| MW-01-10                 | 5/22/2019   | 5/23/2019    | 5/23/2019                         | 5/23/2019         | 5/23/2019   | 6/7/2019                      | 6/7/2019           |
| MW-02-94                 | 5/21/2019   | 5/21/2019    | 5/21/2019                         | 5/21/2019         | 5/21/2019   | 5/21/2019                     | 5/21/2019          |
| MW-02-02                 | 5/21/2019   | 5/21/2019    | 5/21/2019                         | 5/21/2019         | 5/21/2019   | 5/21/2019                     | 5/21/2019          |
| MW-02-10                 | 5/22/2019   | 5/23/2019    | 5/23/2019                         | 6/6/2019          | 6/6/2019    | 6/6/2019                      | 6/6/2019           |
| MW-03-02<br>DUP          | 6/7/2019    | 6/7/2019     | 6/7/2019                          | 6/7/2019          | 6/7/2019    | 6/7/2019                      | 6/7/2019           |
| MW-03-10                 | 5/22/2019   | 5/23/2019    | 5/23/2019                         | 5/23/2019         | 5/23/2019   | 6/7/2019                      | 6/7/2019           |
| MW-04-02                 | 6/6/2019    | 6/6/2019     | 6/6/2019                          | 6/6/2019          | 6/6/2019    | 6/6/2019                      | 6/6/2019           |
| MW-05-94                 | 6/3/2019    | 6/3/2019     | 6/3/2019                          | 6/3/2019          | 6/3/2019    | 6/3/2019                      | 6/3/2019           |
| MW-06-94<br>DUP          | 5/20/2019   | 5/20/2019    | 5/20/2019                         | 5/20/2019         | 5/20/2019   | 5/20/2019                     | 5/20/2019          |
| MW-06-10<br>DUP          | 5/23/2019   | 5/23/2019    | 5/23/2019                         | 5/23/2019         | 5/23/2019   | 5/23/2019                     | 5/23/2019          |
| MW-07-94                 | 5/21/2019   | 5/22/2019    | 5/21/2019                         | 6/21/2019         | 6/21/2019   | 6/21/2019                     | 6/21/2019          |
| MW-07-03                 | 5/31/2019   | 5/31/2019    | 5/31/2019                         | 6/3/2019          | 6/3/2019    | 6/3/2019                      | 6/3/2019           |
| MW-08-03<br>DUP          | 5/31/2019   | 5/31/2019    | 5/31/2019                         | 5/31/2019         | 5/31/2019   | 5/31/2019                     | 5/31/2019          |
| MW-10-03                 | 6/3/2019    | 6/3/2019     | 6/3/2019                          | 6/3/2019          | 6/3/2019    | 6/6/2019                      | 6/6/2019           |
| MW-11-03                 | 5/22/2019   | 5/22/2019    | 5/22/2019                         | 5/22/2019         | 5/22/2019   | 5/22/2019                     | 5/22/2019          |
| MW-13-03                 | 5/22/2019   | 6/21/2019    | 6/21/2019                         | 6/21/2019         | 6/21/2019   | 6/21/2019                     | 6/21/2019          |

Notes:

1) DUP = Duplicate Sample

**TABLE 4**  
**SUMMARY OF WATER LEVEL GAUGING DATA: JUNE 7, 2019**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Designation | Date Measured | Time  | Measuring Point Elevation* | Depth to Product (feet) | Depth to Water (feet) | Product Thickness (feet) | Groundwater Elevation (feet AMSL) | Comments           |
|------------------|---------------|-------|----------------------------|-------------------------|-----------------------|--------------------------|-----------------------------------|--------------------|
| DEEP SUMP        | 6/7/2019      | 10:53 | 642.28                     | --                      | 8.52                  | --                       | 633.76                            | Trace product      |
| LMW-01**         | 6/7/2019      | 9:42  | 657.80                     | --                      | 19.00                 | --                       | 638.80                            |                    |
| LMW-02**         | 6/7/2019      | 10:07 | 651.00                     | --                      | 15.44                 | --                       | 635.56                            |                    |
| LMW-03**         | 6/7/2019      | 10:11 | 651.00                     | --                      | 15.50                 | --                       | 635.50                            |                    |
| MW-01-94         | 6/7/2019      | 9:50  | 653.26                     | --                      | 10.77                 | --                       | 642.49                            |                    |
| MW-01-02         | 6/7/2019      | 10:46 | 646.68                     | 13.10                   | NA                    | >1.0                     | NA                                | Product in well    |
| MW-01-10         | 6/7/2019      | 10:12 | 651.66                     | --                      | 18.56                 | --                       | 633.10                            |                    |
| MW-02-94         | 6/7/2019      | 9:34  | 639.79                     | --                      | 3.96                  | --                       | 635.83                            |                    |
| MW-02-02         | 6/7/2019      | 10:41 | 643.43                     | --                      | 7.89                  | --                       | 635.54                            |                    |
| MW-02-10         | 6/7/2019      | 10:15 | 654.63                     | --                      | 17.60                 | --                       | 637.03                            |                    |
| MW-03-02         | 6/7/2019      | 10:49 | 643.32                     | 12.00                   | NA                    | >1.0                     | NA                                | Product in well    |
| MW-03-10         | 6/7/2019      | 10:17 | 656.86                     | --                      | 16.83                 | --                       | 640.03                            |                    |
| MW-04-02         | 6/7/2019      | 10:38 | 640.82                     | --                      | 6.00                  | --                       | 634.82                            | Trace product      |
| MW-05-94         | 6/7/2019      | 11:03 | 644.89                     | --                      | 6.42                  | --                       | 638.47                            | Product on probe   |
| MW-06-94         | 6/7/2019      | 10:44 | 647.08                     | --                      | 11.25                 | --                       | 635.83                            |                    |
| MW-06-10         | 6/7/2019      | 10:16 | 648.11                     | --                      | 11.99                 | --                       | 636.12                            |                    |
| MW-07-94         | 6/7/2019      | 9:30  | 640.46                     | --                      | 7.20                  | --                       | 633.26                            |                    |
| MW-07-03         | 6/7/2019      | 10:30 | 645.02                     | --                      | 10.47                 | --                       | 634.55                            |                    |
| MW-08-03**       | 6/7/2019      | 10:33 | 645.00                     | --                      | 5.69                  | --                       | 639.31                            | Clear oil on probe |
| MW-10-03         | 6/7/2019      | 10:22 | 645.26                     | --                      | 9.80                  | --                       | 635.46                            |                    |
| MW-11-03         | 6/7/2019      | 10:26 | 645.02                     | --                      | 9.68                  | --                       | 635.34                            |                    |
| MW-13-03         | 6/7/2019      | 10:19 | 646.42                     | --                      | 10.35                 | --                       | 636.07                            |                    |

Notes:

\*Well elevation data obtained from the December 28, 2018, Site survey.

\*\*Well elevation data is estimated from the December 28, 2018, Site survey.

AMSL = Above Mean Sea Level

**TABLE 5**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - VOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | DEEP SUMP<br>06/06/19<br>6.8-81.8 (OH) | DEEP SUMP D<br>06/06/19<br>6.8-81.8 (OH) | LMW-01<br>05/21/19<br>9.0-20.6 | LMW-02<br>05/29/19<br>9.0-20.3 |
|------------------------------------------------------------------|-------------------------------------|----------------------------------------|------------------------------------------|--------------------------------|--------------------------------|
| <b>VOCs (ug/L)</b>                                               |                                     |                                        |                                          |                                |                                |
| 1,1,1-TRICHLOROETHANE                                            | 5.0                                 | 44                                     | 47                                       | <1                             | 6900                           |
| 1,1,2,2-TETRACHLOROETHANE                                        | 5.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE                            | 5.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| 1,1,2-TRICHLOROETHANE                                            | 1.0                                 | <2                                     | <2                                       | <1                             | 9.4 J                          |
| 1,1-DICHLOROETHANE                                               | 5.0                                 | 46                                     | 50                                       | <1                             | 7500                           |
| 1,1-DICHLOROETHENE                                               | 5.0                                 | 1.2 J                                  | 1.5 J                                    | <1                             | 240                            |
| 1,2,4-TRICHLOROBENZENE                                           | 5.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| 1,2-DIBROMO-3-CHLOROPROPANE                                      | 0.04                                | <2                                     | <2                                       | <10                            | <10                            |
| 1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)                           | 0.0006                              | <2                                     | <2                                       | <1                             | <10                            |
| 1,2-DICHLOROBENZENE                                              | 3.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| 1,2-DICHLOROETHANE                                               | 0.6                                 | <2                                     | <2                                       | <1                             | 5.3 J                          |
| 1,2-DICHLOROPROPANE                                              | 1.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| 1,3-DICHLOROBENZENE                                              | 3.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| 1,4-DICHLOROBENZENE                                              | 3.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| 2-HEXANONE                                                       | 50.0                                | <10                                    | <10                                      | <10                            | <50                            |
| ACETONE                                                          | 50.0                                | <20                                    | <20                                      | <25                            | <100                           |
| BENZENE                                                          | 1.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| BROMODICHLOROMETHANE                                             | 50.0                                | <2                                     | <2                                       | <1                             | <10                            |
| BROMOFORM                                                        | 50.0                                | <2                                     | <2                                       | <1                             | <10                            |
| BROMOMETHANE                                                     | 5.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| CARBON DISULFIDE                                                 | NS                                  | <2                                     | <2                                       | <1                             | <10                            |
| CARBON TETRACHLORIDE                                             | 5.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| CHLOROBENZENE                                                    | 5.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| CHLOROETHANE                                                     | 5.0                                 | 9.4                                    | 11                                       | <1                             | 8.1 J                          |
| CHLOROFORM                                                       | 7.0                                 | <2                                     | <2                                       | 4.5                            | 4.7 J                          |
| CHLOROMETHANE                                                    | 5.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| CIS-1,2-DICHLOROETHYLENE                                         | 5.0                                 | 65                                     | 69                                       | 2.1                            | 2000                           |
| CIS-1,3-DICHLOROPROPENE                                          | 0.4                                 | <2                                     | <2                                       | <1                             | <10                            |
| CYCLOHEXANE                                                      | NS                                  | <2                                     | <2                                       | <5                             | <10                            |
| DIBROMOCHLOROMETHANE                                             | 50.0                                | <2                                     | <2                                       | <1                             | <10                            |
| DICHLORODIFLUOROMETHANE                                          | 5.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| ETHYLBENZENE                                                     | 5.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| ISOPROPYLBENZENE (Cumene)                                        | 5.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| METHYL ACETATE                                                   | NS                                  | <5                                     | <5                                       | <10                            | <25                            |
| METHYL ETHYL KETONE (2-BUTANONE)                                 | 50.0                                | <20                                    | <20                                      | <50                            | <100                           |
| METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)                    | NS                                  | <10                                    | <10                                      | <10                            | <50                            |
| METHYLCYCLOHEXANE                                                | NS                                  | <2                                     | <2                                       | <5                             | <10                            |
| METHYLENE CHLORIDE                                               | 5.0                                 | <2                                     | <2                                       | <5                             | <10                            |
| STYRENE                                                          | 5.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| TERT-BUTYL ALCOHOL                                               | NS                                  | <20                                    | <20                                      | <10                            | <100                           |
| TERT-BUTYL METHYL ETHER                                          | NS                                  | <2                                     | <2                                       | <1                             | <10                            |
| TETRACHLOROETHYLENE(PCE)                                         | 5.0                                 | <2                                     | <2                                       | 4.3                            | <10                            |
| TOLUENE                                                          | 5.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| TRANS-1,2-DICHLOROETHENE                                         | 5.0                                 | <2                                     | <2                                       | 0.3 J                          | 26                             |
| TRANS-1,3-DICHLOROPROPENE                                        | 0.4                                 | <2                                     | <2                                       | <1                             | <10                            |
| TRICHLOROETHYLENE (TCE)                                          | 5.0                                 | 8.5                                    | 9.2                                      | 5.7                            | 100                            |
| TRICHLOROFLUOROMETHANE                                           | 5.0                                 | <2                                     | <2                                       | <1                             | <10                            |
| VINYL CHLORIDE                                                   | 2.0                                 | 5.2                                    | 6                                        | <1                             | 160                            |
| XYLENES, TOTAL                                                   | 5.0                                 | <4                                     | <4                                       | <3                             | <20                            |
| TOTAL VOCs                                                       | NA                                  | 179                                    | 194                                      | 17                             | 16,954                         |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable



**TABLE 5**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - VOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | LMW-03<br>05/29/19<br>9.0-20.9 | MW-01-94<br>05/22/19<br>2.3-13.0 | MW-01-02<br>05/20/19<br>4.5-16.8 | MW-01-10<br>05/22/19<br>9.2-20.20 |
|------------------------------------------------------------------|-------------------------------------|--------------------------------|----------------------------------|----------------------------------|-----------------------------------|
| <b>VOCs (ug/L)</b>                                               |                                     |                                |                                  |                                  |                                   |
| 1,1,1-TRICHLOROETHANE                                            | 5.0                                 | 2.6                            | <1                               | <1                               | <1                                |
| 1,1,2,2-TETRACHLOROETHANE                                        | 5.0                                 | <1                             | <1                               | <1                               | <1                                |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE                            | 5.0                                 | <1                             | <1                               | <1                               | <1                                |
| 1,1,2-TRICHLOROETHANE                                            | 1.0                                 | <1                             | <1                               | <1                               | <1                                |
| 1,1-DICHLOROETHANE                                               | 5.0                                 | 2                              | <1                               | 39                               | <1                                |
| 1,1-DICHLOROETHENE                                               | 5.0                                 | <1                             | <1                               | 0.25                             | <1                                |
| 1,2,4-TRICHLOROBENZENE                                           | 5.0                                 | <1                             | <1                               | <1                               | <1                                |
| 1,2-DIBROMO-3-CHLOROPROPANE                                      | 0.04                                | <1                             | <1                               | <10                              | <1                                |
| 1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)                           | 0.0006                              | <1                             | <1                               | <1                               | <1                                |
| 1,2-DICHLOROBENZENE                                              | 3.0                                 | <1                             | <1                               | <1                               | <1                                |
| 1,2-DICHLOROETHANE                                               | 0.6                                 | <1                             | <1                               | <1                               | <1                                |
| 1,2-DICHLOROPROPANE                                              | 1.0                                 | <1                             | <1                               | <1                               | <1                                |
| 1,3-DICHLOROBENZENE                                              | 3.0                                 | <1                             | <1                               | <1                               | <1                                |
| 1,4-DICHLOROBENZENE                                              | 3.0                                 | <1                             | <1                               | <1                               | <1                                |
| 2-HEXANONE                                                       | 50.0                                | <5                             | <5                               | <10                              | <5                                |
| ACETONE                                                          | 50.0                                | <10                            | <10                              | 4.1                              | 3.6                               |
| BENZENE                                                          | 1.0                                 | <1                             | <1                               | 0.74                             | <1                                |
| BROMODICHLOROMETHANE                                             | 50.0                                | <1                             | <1                               | <1                               | <1                                |
| BROMOFORM                                                        | 50.0                                | <1                             | <1                               | <1                               | <1                                |
| BROMOMETHANE                                                     | 5.0                                 | <1                             | <1                               | <1                               | <1                                |
| CARBON DISULFIDE                                                 | NS                                  | <1                             | <1                               | <1                               | 0.27                              |
| CARBON TETRACHLORIDE                                             | 5.0                                 | <1                             | <1                               | <1                               | <1                                |
| CHLOROBENZENE                                                    | 5.0                                 | <1                             | <1                               | <1                               | <1                                |
| CHLOROETHANE                                                     | 5.0                                 | <1                             | <1                               | 8                                | <1                                |
| CHLOROFORM                                                       | 7.0                                 | <1                             | <1                               | <1                               | 0.93                              |
| CHLOROMETHANE                                                    | 5.0                                 | <1                             | <1                               | <1                               | <1                                |
| CIS-1,2-DICHLOROETHYLENE                                         | 5.0                                 | 16                             | <1                               | 46                               | <1                                |
| CIS-1,3-DICHLOROPROPENE                                          | 0.4                                 | <1                             | <1                               | <1                               | <1                                |
| CYCLOHEXANE                                                      | NS                                  | <1                             | <1                               | <5                               | <1                                |
| DIBROMOCHLOROMETHANE                                             | 50.0                                | <1                             | <1                               | <1                               | <1                                |
| DICHLORODIFLUOROMETHANE                                          | 5.0                                 | <1                             | <1                               | <1                               | <1                                |
| ETHYLBENZENE                                                     | 5.0                                 | <1                             | <1                               | <1                               | <1                                |
| ISOPROPYLBENZENE (Cumene)                                        | 5.0                                 | <1                             | <1                               | <1                               | <1                                |
| METHYL ACETATE                                                   | NS                                  | <2.5                           | <2.5                             | <10                              | <2.5                              |
| METHYL ETHYL KETONE (2-BUTANONE)                                 | 50.0                                | <10                            | <10                              | <50                              | <10                               |
| METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)                    | NS                                  | <5                             | <5                               | <10                              | <5                                |
| METHYLCYCLOHEXANE                                                | NS                                  | <1                             | <1                               | <5                               | <1                                |
| METHYLENE CHLORIDE                                               | 5.0                                 | <1                             | <1                               | <5                               | <1                                |
| STYRENE                                                          | 5.0                                 | <1                             | <1                               | <1                               | <1                                |
| TERT-BUTYL ALCOHOL                                               | NS                                  | <10                            | <10                              | <10                              | <10                               |
| TERT-BUTYL METHYL ETHER                                          | NS                                  | <1                             | <1                               | <1                               | <1                                |
| TETRACHLOROETHYLENE(PCE)                                         | 5.0                                 | <1                             | <1                               | <1                               | <1                                |
| TOLUENE                                                          | 5.0                                 | 1.1                            | <1                               | 0.19                             | <1                                |
| TRANS-1,2-DICHLOROETHENE                                         | 5.0                                 | <1                             | <1                               | 0.66                             | <1                                |
| TRANS-1,3-DICHLOROPROPENE                                        | 0.4                                 | <1                             | <1                               | <1                               | <1                                |
| TRICHLOROETHYLENE (TCE)                                          | 5.0                                 | 27                             | 0.96                             | 1                                | 0.67                              |
| TRICHLOROFLUOROMETHANE                                           | 5.0                                 | <1                             | <1                               | <1                               | <1                                |
| VINYL CHLORIDE                                                   | 2.0                                 | <1                             | <1                               | 20                               | <1                                |
| XYLENES, TOTAL                                                   | 5.0                                 | <2                             | <2                               | <3                               | <2                                |
| TOTAL VOCs                                                       | NA                                  | 49                             | 1                                | 120                              | 5                                 |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**TABLE 5**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - VOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-02-94<br>05/21/19<br>9.5-16.3 | MW-02-02<br>05/21/19<br>5.5-12.0 | MW-02-10<br>05/22/19<br>7.1-18.1 | MW-03-02<br>06/07/19<br>6.5-13.1 |
|------------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>VOCs (ug/L)</b>                                               |                                     |                                  |                                  |                                  |                                  |
| 1,1,1-TRICHLOROETHANE                                            | 5.0                                 | <1                               | <1                               | 1.9                              | 1.1                              |
| 1,1,2,2-TETRACHLOROETHANE                                        | 5.0                                 | <1                               | <1                               | <1                               | <1                               |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE                            | 5.0                                 | <1                               | <1                               | <1                               | <1                               |
| 1,1,2-TRICHLOROETHANE                                            | 1.0                                 | <1                               | <1                               | <1                               | <1                               |
| 1,1-DICHLOROETHANE                                               | 5.0                                 | 20                               | 1.3                              | 0.63 J                           | 28                               |
| 1,1-DICHLOROETHENE                                               | 5.0                                 | <1                               | <1                               | <1                               | <1                               |
| 1,2,4-TRICHLOROBENZENE                                           | 5.0                                 | <1                               | <1                               | <1                               | <1                               |
| 1,2-DIBROMO-3-CHLOROPROPANE                                      | 0.04                                | <10                              | <10                              | <1                               | <1                               |
| 1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)                           | 0.0006                              | <1                               | <1                               | <1                               | <1                               |
| 1,2-DICHLOROBENZENE                                              | 3.0                                 | <1                               | <1                               | <1                               | <1                               |
| 1,2-DICHLOROETHANE                                               | 0.6                                 | <1                               | <1                               | <1                               | <1                               |
| 1,2-DICHLOROPROPANE                                              | 1.0                                 | <1                               | <1                               | <1                               | <1                               |
| 1,3-DICHLOROBENZENE                                              | 3.0                                 | <1                               | <1                               | <1                               | <1                               |
| 1,4-DICHLOROBENZENE                                              | 3.0                                 | <1                               | <1                               | <1                               | <1                               |
| 2-HEXANONE                                                       | 50.0                                | <10                              | <10                              | <5                               | <5                               |
| ACETONE                                                          | 50.0                                | <25                              | <25                              | <10                              | 4.9 J                            |
| BENZENE                                                          | 1.0                                 | 0.46 J                           | <1                               | <1                               | 0.51 J                           |
| BROMODICHLOROMETHANE                                             | 50.0                                | <1                               | <1                               | <1                               | <1                               |
| BROMOFORM                                                        | 50.0                                | <1                               | <1                               | <1                               | <1                               |
| BROMOMETHANE                                                     | 5.0                                 | <1                               | <1                               | <1                               | <1                               |
| CARBON DISULFIDE                                                 | NS                                  | <1                               | <1                               | <1                               | <1                               |
| CARBON TETRACHLORIDE                                             | 5.0                                 | <1                               | <1                               | <1                               | <1                               |
| CHLOROBENZENE                                                    | 5.0                                 | <1                               | <1                               | <1                               | <1                               |
| CHLOROETHANE                                                     | 5.0                                 | 10                               | <1                               | <1                               | 6.4                              |
| CHLOROFORM                                                       | 7.0                                 | <1                               | <1                               | 0.97 J                           | <1                               |
| CHLOROMETHANE                                                    | 5.0                                 | <1                               | <1                               | <1                               | <1                               |
| CIS-1,2-DICHLOROETHYLENE                                         | 5.0                                 | 17                               | 0.38 J                           | <1                               | 26                               |
| CIS-1,3-DICHLOROPROPENE                                          | 0.4                                 | <1                               | <1                               | <1                               | <1                               |
| CYCLOHEXANE                                                      | NS                                  | <5                               | <5                               | <1                               | 0.55 J                           |
| DIBROMOCHLOROMETHANE                                             | 50.0                                | <1                               | <1                               | <1                               | <1                               |
| DICHLORODIFLUOROMETHANE                                          | 5.0                                 | <1                               | <1                               | <1                               | <1                               |
| ETHYLBENZENE                                                     | 5.0                                 | <1                               | <1                               | <1                               | <1                               |
| ISOPROPYLBENZENE (Cumene)                                        | 5.0                                 | <1                               | <1                               | <1                               | <1                               |
| METHYL ACETATE                                                   | NS                                  | <10                              | <10                              | <2.5                             | <2.5                             |
| METHYL ETHYL KETONE (2-BUTANONE)                                 | 50.0                                | <50                              | <50                              | <10                              | <10                              |
| METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)                    | NS                                  | <10                              | <10                              | <5                               | <5                               |
| METHYLCYCLOHEXANE                                                | NS                                  | <5                               | <5                               | <1                               | <1                               |
| METHYLENE CHLORIDE                                               | 5.0                                 | <5                               | <5                               | <1                               | <1                               |
| STYRENE                                                          | 5.0                                 | <1                               | <1                               | <1                               | <1                               |
| TERT-BUTYL ALCOHOL                                               | NS                                  | <10                              | <10                              | <10                              | <10                              |
| TERT-BUTYL METHYL ETHER                                          | NS                                  | <1                               | <1                               | <1                               | <1                               |
| TETRACHLOROETHYLENE(PCE)                                         | 5.0                                 | <1                               | <1                               | <1                               | <1                               |
| TOLUENE                                                          | 5.0                                 | <1                               | <1                               | <1                               | <1                               |
| TRANS-1,2-DICHLOROETHENE                                         | 5.0                                 | 0.47 J                           | <1                               | <1                               | <1                               |
| TRANS-1,3-DICHLOROPROPENE                                        | 0.4                                 | <1                               | <1                               | <1                               | <1                               |
| TRICHLOROETHYLENE (TCE)                                          | 5.0                                 | 2.5                              | <1                               | 1.3                              | 1.5                              |
| TRICHLOROFLUOROMETHANE                                           | 5.0                                 | <1                               | <1                               | <1                               | <1                               |
| VINYL CHLORIDE                                                   | 2.0                                 | 7.5                              | <1                               | <1                               | 12                               |
| XYLENES, TOTAL                                                   | 5.0                                 | <3                               | <3                               | <2                               | <2                               |
| TOTAL VOCs                                                       | NA                                  | 58                               | 2                                | 5                                | 81                               |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**TABLE 5**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - VOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-03-02 D<br>06/07/19<br>6.5-13.1 | MW-03-10<br>05/22/19<br>6.6-17.6 | MW-04-02<br>06/06/19<br>4.0-10.4 | MW-05-94<br>06/03/19<br>2.8-8.9 |
|------------------------------------------------------------------|-------------------------------------|------------------------------------|----------------------------------|----------------------------------|---------------------------------|
| <b>VOCs (ug/L)</b>                                               |                                     |                                    |                                  |                                  |                                 |
| 1,1,1-TRICHLOROETHANE                                            | 5.0                                 | 1.2                                | <5                               | <1                               | 3.5                             |
| 1,1,2,2-TETRACHLOROETHANE                                        | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE                            | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| 1,1,2-TRICHLOROETHANE                                            | 1.0                                 | <1                                 | <5                               | <1                               | <2                              |
| 1,1-DICHLOROETHANE                                               | 5.0                                 | 35                                 | 2.1                              | 31                               | 19                              |
| 1,1-DICHLOROETHENE                                               | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| 1,2,4-TRICHLOROBENZENE                                           | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| 1,2-DIBROMO-3-CHLOROPROPANE                                      | 0.04                                | <1                                 | <5                               | <1                               | <2                              |
| 1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)                           | 0.0006                              | <1                                 | <5                               | <1                               | <2                              |
| 1,2-DICHLOROBENZENE                                              | 3.0                                 | <1                                 | <5                               | <1                               | <2                              |
| 1,2-DICHLOROETHANE                                               | 0.6                                 | <1                                 | <5                               | 0.25                             | <2                              |
| 1,2-DICHLOROPROPANE                                              | 1.0                                 | <1                                 | <5                               | <1                               | <2                              |
| 1,3-DICHLOROBENZENE                                              | 3.0                                 | <1                                 | <5                               | <1                               | <2                              |
| 1,4-DICHLOROBENZENE                                              | 3.0                                 | <1                                 | <5                               | <1                               | <2                              |
| 2-HEXANONE                                                       | 50.0                                | <5                                 | <25                              | <5                               | <10                             |
| ACETONE                                                          | 50.0                                | <10                                | <50                              | <10                              | <20                             |
| BENZENE                                                          | 1.0                                 | 0.63                               | J                                | 0.96                             | J                               |
| BROMODICHLOROMETHANE                                             | 50.0                                | <1                                 | <5                               | <1                               | <2                              |
| BROMOFORM                                                        | 50.0                                | <1                                 | <5                               | <1                               | <2                              |
| BROMOMETHANE                                                     | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| CARBON DISULFIDE                                                 | NS                                  | 0.28                               | J                                | 1.1                              | BJ                              |
| CARBON TETRACHLORIDE                                             | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| CHLOROBENZENE                                                    | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| CHLOROETHANE                                                     | 5.0                                 | 8.6                                | <5                               | 17                               | <2                              |
| CHLOROFORM                                                       | 7.0                                 | <1                                 | <5                               | <1                               | <2                              |
| CHLOROMETHANE                                                    | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| CIS-1,2-DICHLOROETHYLENE                                         | 5.0                                 | 31                                 | <5                               | 21                               | 94                              |
| CIS-1,3-DICHLOROPROPENE                                          | 0.4                                 | <1                                 | <5                               | <1                               | <2                              |
| CYCLOHEXANE                                                      | NS                                  | 0.71                               | J                                | 0.85                             | J                               |
| DIBROMOCHLOROMETHANE                                             | 50.0                                | <1                                 | <5                               | <1                               | <2                              |
| DICHLORODIFLUOROMETHANE                                          | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| ETHYLBENZENE                                                     | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| ISOPROPYLBENZENE (Cumene)                                        | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| METHYL ACETATE                                                   | NS                                  | <2.5                               | <13                              | <2.5                             | <5                              |
| METHYL ETHYL KETONE (2-BUTANONE)                                 | 50.0                                | <10                                | <50                              | <10                              | <20                             |
| METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)                    | NS                                  | <5                                 | <25                              | <5                               | <10                             |
| METHYLCYCLOHEXANE                                                | NS                                  | 0.38                               | J                                | 0.75                             | J                               |
| METHYLENE CHLORIDE                                               | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| STYRENE                                                          | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| TERT-BUTYL ALCOHOL                                               | NS                                  | <10                                | <50                              | <10                              | <20                             |
| TERT-BUTYL METHYL ETHER                                          | NS                                  | <1                                 | <5                               | <1                               | <2                              |
| TETRACHLOROETHYLENE(PCE)                                         | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| TOLUENE                                                          | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| TRANS-1,2-DICHLOROETHENE                                         | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| TRANS-1,3-DICHLOROPROPENE                                        | 0.4                                 | <1                                 | <5                               | <1                               | <2                              |
| TRICHLOROETHYLENE (TCE)                                          | 5.0                                 | 2                                  | <5                               | 0.92                             | J                               |
| TRICHLOROFLUOROMETHANE                                           | 5.0                                 | <1                                 | <5                               | <1                               | <2                              |
| VINYL CHLORIDE                                                   | 2.0                                 | 17                                 | <5                               | 15                               | 11                              |
| XYLENES, TOTAL                                                   | 5.0                                 | <2                                 | <10                              | <2                               | <4                              |
| TOTAL VOCs                                                       | NA                                  | 97                                 | 3                                | 88                               | 148                             |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**TABLE 5**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - VOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-06-94<br>05/20/19<br>10.0-18.7 | MW-06-94 D<br>05/20/19<br>10.0-18.7 | MW-06-10<br>05/23/19<br>9.4-19.4 | MW-06-10 D<br>05/23/19<br>9.4-19.4 |
|------------------------------------------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|----------------------------------|------------------------------------|
| <b>VOCs (ug/L)</b>                                               |                                     |                                   |                                     |                                  |                                    |
| 1,1,1-TRICHLOROETHANE                                            | 5.0                                 | <1                                | <1                                  | 440                              | 460                                |
| 1,1,2,2-TETRACHLOROETHANE                                        | 5.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE                            | 5.0                                 | <1                                | <1                                  | 0.57 J                           | 0.58 J                             |
| 1,1,2-TRICHLOROETHANE                                            | 1.0                                 | <1                                | <1                                  | 0.78 J                           | 1.1                                |
| 1,1-DICHLOROETHANE                                               | 5.0                                 | 2.1                               | 5                                   | 270                              | 280                                |
| 1,1-DICHLOROETHENE                                               | 5.0                                 | <1                                | <1                                  | 13                               | 12                                 |
| 1,2,4-TRICHLOROBENZENE                                           | 5.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| 1,2-DIBROMO-3-CHLOROPROPANE                                      | 0.04                                | <10                               | <10                                 | <10                              | <10                                |
| 1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)                           | 0.0006                              | <1                                | <1                                  | <1                               | <1                                 |
| 1,2-DICHLOROBENZENE                                              | 3.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| 1,2-DICHLOROETHANE                                               | 0.6                                 | <1                                | <1                                  | 0.29 J                           | 0.29 J                             |
| 1,2-DICHLOROPROPANE                                              | 1.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| 1,3-DICHLOROBENZENE                                              | 3.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| 1,4-DICHLOROBENZENE                                              | 3.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| 2-HEXANONE                                                       | 50.0                                | <10                               | <10                                 | <10                              | <10                                |
| ACETONE                                                          | 50.0                                | <25                               | <25                                 | <25                              | <25                                |
| BENZENE                                                          | 1.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| BROMODICHLOROMETHANE                                             | 50.0                                | <1                                | <1                                  | <1                               | <1                                 |
| BROMOFORM                                                        | 50.0                                | <1                                | <1                                  | <1                               | <1                                 |
| BROMOMETHANE                                                     | 5.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| CARBON DISULFIDE                                                 | NS                                  | <1                                | <1                                  | <1                               | <1                                 |
| CARBON TETRACHLORIDE                                             | 5.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| CHLOROBENZENE                                                    | 5.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| CHLOROETHANE                                                     | 5.0                                 | <1                                | <1                                  | 2.2                              | 2.2                                |
| CHLOROFORM                                                       | 7.0                                 | <1                                | <1                                  | 0.47 J                           | 0.45 J                             |
| CHLOROMETHANE                                                    | 5.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| CIS-1,2-DICHLOROETHYLENE                                         | 5.0                                 | 4.8                               | 11                                  | 120                              | 120                                |
| CIS-1,3-DICHLOROPROPENE                                          | 0.4                                 | <1                                | <1                                  | <1                               | <1                                 |
| CYCLOHEXANE                                                      | NS                                  | <5                                | <5                                  | <5                               | <5                                 |
| DIBROMOCHLOROMETHANE                                             | 50.0                                | <1                                | <1                                  | <1                               | <1                                 |
| DICHLORODIFLUOROMETHANE                                          | 5.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| ETHYLBENZENE                                                     | 5.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| ISOPROPYLBENZENE (Cumene)                                        | 5.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| METHYL ACETATE                                                   | NS                                  | <10                               | <10                                 | <10                              | <10                                |
| METHYL ETHYL KETONE (2-BUTANONE)                                 | 50.0                                | <50                               | <50                                 | <50                              | <50                                |
| METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)                    | NS                                  | <10                               | <10                                 | <10                              | <10                                |
| METHYLCYCLOHEXANE                                                | NS                                  | <5                                | <5                                  | <5                               | <5                                 |
| METHYLENE CHLORIDE                                               | 5.0                                 | <5                                | <5                                  | <5                               | <5                                 |
| STYRENE                                                          | 5.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| TERT-BUTYL ALCOHOL                                               | NS                                  | <10                               | <10                                 | <10                              | <10                                |
| TERT-BUTYL METHYL ETHER                                          | NS                                  | <1                                | <1                                  | <1                               | <1                                 |
| TETRACHLOROETHYLENE(PCE)                                         | 5.0                                 | 6.1                               | 6.9                                 | <1                               | <1                                 |
| TOLUENE                                                          | 5.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| TRANS-1,2-DICHLOROETHENE                                         | 5.0                                 | <1                                | <1                                  | 4.3                              | 4.2                                |
| TRANS-1,3-DICHLOROPROPENE                                        | 0.4                                 | <1                                | <1                                  | <1                               | <1                                 |
| TRICHLOROETHYLENE (TCE)                                          | 5.0                                 | 0.95 J                            | 1.4                                 | 220                              | 220                                |
| TRICHLOROFLUOROMETHANE                                           | 5.0                                 | <1                                | <1                                  | <1                               | <1                                 |
| VINYL CHLORIDE                                                   | 2.0                                 | 1.2                               | 2.6                                 | 16                               | 15                                 |
| XYLENES, TOTAL                                                   | 5.0                                 | <3                                | <3                                  | <3                               | <3                                 |
| TOTAL VOCs                                                       | NA                                  | 15                                | 27                                  | 1,088                            | 1,116                              |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**TABLE 5**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - VOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-07-94<br>05/21/19<br>2.4-8.4 | MW-07-03<br>05/31/19<br>4.0-16.3 | MW-08-03<br>05/31/19<br>3.0-15.5 | MW-08-03 D<br>05/31/19<br>3.0-15.5 |
|------------------------------------------------------------------|-------------------------------------|---------------------------------|----------------------------------|----------------------------------|------------------------------------|
| <b>VOCs (ug/L)</b>                                               |                                     |                                 |                                  |                                  |                                    |
| 1,1,1-TRICHLOROETHANE                                            | 5.0                                 | 1.6                             | 580                              | <1                               | <1                                 |
| 1,1,2,2-TETRACHLOROETHANE                                        | 5.0                                 | <1                              | <20                              | <1                               | <1                                 |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE                            | 5.0                                 | <1                              | <20                              | <1                               | <1                                 |
| 1,1,2-TRICHLOROETHANE                                            | 1.0                                 | <1                              | <20                              | <1                               | <1                                 |
| 1,1-DICHLOROETHANE                                               | 5.0                                 | 2.8                             | 2200                             | 1.7                              | 1.9                                |
| 1,1-DICHLOROETHENE                                               | 5.0                                 | <1                              | 20                               | <1                               | <1                                 |
| 1,2,4-TRICHLOROBENZENE                                           | 5.0                                 | <1                              | <20                              | <1                               | <1                                 |
| 1,2-DIBROMO-3-CHLOROPROPANE                                      | 0.04                                | <10                             | <20                              | <1                               | <1                                 |
| 1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)                           | 0.0006                              | <1                              | <20                              | <1                               | <1                                 |
| 1,2-DICHLOROBENZENE                                              | 3.0                                 | <1                              | <20                              | <1                               | <1                                 |
| 1,2-DICHLOROETHANE                                               | 0.6                                 | <1                              | <20                              | <1                               | <1                                 |
| 1,2-DICHLOROPROPANE                                              | 1.0                                 | <1                              | <20                              | <1                               | <1                                 |
| 1,3-DICHLOROBENZENE                                              | 3.0                                 | <1                              | <20                              | <1                               | <1                                 |
| 1,4-DICHLOROBENZENE                                              | 3.0                                 | <1                              | <20                              | <1                               | <1                                 |
| 2-HEXANONE                                                       | 50.0                                | <10                             | <100                             | <5                               | <5                                 |
| ACETONE                                                          | 50.0                                | <25                             | <200                             | 4.8                              | 7.2                                |
| BENZENE                                                          | 1.0                                 | <1                              | <20                              | <1                               | <1                                 |
| BROMODICHLOROMETHANE                                             | 50.0                                | <1                              | <20                              | <1                               | <1                                 |
| BROMOFORM                                                        | 50.0                                | <1                              | <20                              | <1                               | <1                                 |
| BROMOMETHANE                                                     | 5.0                                 | <1                              | <20                              | <1                               | <1                                 |
| CARBON DISULFIDE                                                 | NS                                  | <1                              | <20                              | 0.2                              | <1                                 |
| CARBON TETRACHLORIDE                                             | 5.0                                 | <1                              | <20                              | <1                               | <1                                 |
| CHLOROBENZENE                                                    | 5.0                                 | <1                              | <20                              | <1                               | <1                                 |
| CHLOROETHANE                                                     | 5.0                                 | <1                              | 69                               | <1                               | <1                                 |
| CHLOROFORM                                                       | 7.0                                 | <1                              | <20                              | <1                               | <1                                 |
| CHLOROMETHANE                                                    | 5.0                                 | <1                              | <20                              | <1                               | <1                                 |
| CIS-1,2-DICHLOROETHYLENE                                         | 5.0                                 | 16                              | 92                               | 4.9                              | 4.9                                |
| CIS-1,3-DICHLOROPROPENE                                          | 0.4                                 | <1                              | <20                              | <1                               | <1                                 |
| CYCLOHEXANE                                                      | NS                                  | <5                              | <20                              | <1                               | <1                                 |
| DIBROMOCHLOROMETHANE                                             | 50.0                                | <1                              | <20                              | <1                               | <1                                 |
| DICHLORODIFLUOROMETHANE                                          | 5.0                                 | <1                              | <20                              | <1                               | <1                                 |
| ETHYLBENZENE                                                     | 5.0                                 | <1                              | <20                              | <1                               | <1                                 |
| ISOPROPYLBENZENE (Cumene)                                        | 5.0                                 | <1                              | <20                              | <1                               | <1                                 |
| METHYL ACETATE                                                   | NS                                  | <10                             | <50                              | <2.5                             | <2.5                               |
| METHYL ETHYL KETONE (2-BUTANONE)                                 | 50.0                                | <50                             | <200                             | <10                              | <10                                |
| METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)                    | NS                                  | <10                             | <100                             | <5                               | <5                                 |
| METHYLCYCLOHEXANE                                                | NS                                  | <5                              | <20                              | <1                               | <1                                 |
| METHYLENE CHLORIDE                                               | 5.0                                 | <5                              | <20                              | <1                               | <1                                 |
| STYRENE                                                          | 5.0                                 | <1                              | <20                              | <1                               | <1                                 |
| TERT-BUTYL ALCOHOL                                               | NS                                  | <10                             | <200                             | <10                              | <10                                |
| TERT-BUTYL METHYL ETHER                                          | NS                                  | <1                              | <20                              | <1                               | <1                                 |
| TETRACHLOROETHYLENE(PCE)                                         | 5.0                                 | <1                              | <20                              | <1                               | <1                                 |
| TOLUENE                                                          | 5.0                                 | <1                              | <20                              | <1                               | <1                                 |
| TRANS-1,2-DICHLOROETHENE                                         | 5.0                                 | <1                              | <20                              | <1                               | <1                                 |
| TRANS-1,3-DICHLOROPROPENE                                        | 0.4                                 | <1                              | <20                              | <1                               | <1                                 |
| TRICHLOROETHYLENE (TCE)                                          | 5.0                                 | 5                               | 9.4                              | 1.3                              | 1.3                                |
| TRICHLOROFLUOROMETHANE                                           | 5.0                                 | <1                              | <20                              | <1                               | <1                                 |
| VINYL CHLORIDE                                                   | 2.0                                 | <1                              | 32                               | 2                                | 2.1                                |
| XYLENES, TOTAL                                                   | 5.0                                 | <3                              | <40                              | <2                               | <2                                 |
| TOTAL VOCs                                                       | NA                                  | 25                              | 3,002                            | 15                               | 17                                 |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**TABLE 5**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - VOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-10-03<br>06/03/19<br>2.5-14.0 | MW-11-03<br>05/22/19<br>3.0-15.0 | MW-13-03<br>05/22/19<br>3.0-16.0 |
|------------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>VOCs (ug/L)</b>                                               |                                     |                                  |                                  |                                  |
| 1,1,1-TRICHLOROETHANE                                            | 5.0                                 | 3.8 J                            | 59                               | 12                               |
| 1,1,2,2-TETRACHLOROETHANE                                        | 5.0                                 | <4                               | <2                               | <2                               |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE                            | 5.0                                 | <4                               | <2                               | <2                               |
| 1,1,2-TRICHLOROETHANE                                            | 1.0                                 | <4                               | <2                               | <2                               |
| 1,1-DICHLOROETHANE                                               | 5.0                                 | 59                               | 260                              | 2.7                              |
| 1,1-DICHLOROETHENE                                               | 5.0                                 | <4                               | 2.4                              | <2                               |
| 1,2,4-TRICHLOROBENZENE                                           | 5.0                                 | <4                               | <2                               | <2                               |
| 1,2-DIBROMO-3-CHLOROPROPANE                                      | 0.04                                | <4                               | <2                               | <2                               |
| 1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)                           | 0.0006                              | <4                               | <2                               | <2                               |
| 1,2-DICHLOROBENZENE                                              | 3.0                                 | <4                               | <2                               | <2                               |
| 1,2-DICHLOROETHANE                                               | 0.6                                 | <4                               | <2                               | <2                               |
| 1,2-DICHLOROPROPANE                                              | 1.0                                 | <4                               | <2                               | <2                               |
| 1,3-DICHLOROBENZENE                                              | 3.0                                 | <4                               | <2                               | <2                               |
| 1,4-DICHLOROBENZENE                                              | 3.0                                 | <4                               | <2                               | <2                               |
| 2-HEXANONE                                                       | 50.0                                | <20                              | <10                              | <10                              |
| ACETONE                                                          | 50.0                                | <40                              | <20                              | <20                              |
| BENZENE                                                          | 1.0                                 | 2.2 J                            | 6.4                              | <2                               |
| BROMODICHLOROMETHANE                                             | 50.0                                | <4                               | <2                               | <2                               |
| BROMOFORM                                                        | 50.0                                | <4                               | <2                               | <2                               |
| BROMOMETHANE                                                     | 5.0                                 | <4                               | <2                               | <2                               |
| CARBON DISULFIDE                                                 | NS                                  | <4                               | <2                               | <2                               |
| CARBON TETRACHLORIDE                                             | 5.0                                 | <4                               | <2                               | <2                               |
| CHLOROBENZENE                                                    | 5.0                                 | <4                               | <2                               | <2                               |
| CHLOROETHANE                                                     | 5.0                                 | 150                              | 63                               | <2                               |
| CHLOROFORM                                                       | 7.0                                 | <4                               | <2                               | <2                               |
| CHLOROMETHANE                                                    | 5.0                                 | <4                               | <2                               | <2                               |
| CIS-1,2-DICHLOROETHYLENE                                         | 5.0                                 | 13                               | 6.2                              | 19                               |
| CIS-1,3-DICHLOROPROPENE                                          | 0.4                                 | <4                               | <2                               | <2                               |
| CYCLOHEXANE                                                      | NS                                  | 3.3 J                            | 5.7                              | <2                               |
| DIBROMOCHLOROMETHANE                                             | 50.0                                | <4                               | <2                               | <2                               |
| DICHLORODIFLUOROMETHANE                                          | 5.0                                 | <4                               | <2                               | <2                               |
| ETHYLBENZENE                                                     | 5.0                                 | <4                               | <2                               | <2                               |
| ISOPROPYLBENZENE (Cumene)                                        | 5.0                                 | <4                               | <2                               | <2                               |
| METHYL ACETATE                                                   | NS                                  | <10                              | <5                               | <5                               |
| METHYL ETHYL KETONE (2-BUTANONE)                                 | 50.0                                | <40                              | <20                              | <20                              |
| METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)                    | NS                                  | <20                              | <10                              | <10                              |
| METHYLCYCLOHEXANE                                                | NS                                  | 1.7 J                            | 1.7 J                            | <2                               |
| METHYLENE CHLORIDE                                               | 5.0                                 | <4                               | <2                               | <2                               |
| STYRENE                                                          | 5.0                                 | <4                               | <2                               | <2                               |
| TERT-BUTYL ALCOHOL                                               | NS                                  | <40                              | <20                              | <20                              |
| TERT-BUTYL METHYL ETHER                                          | NS                                  | <4                               | <2                               | <2                               |
| TETRACHLOROETHYLENE(PCE)                                         | 5.0                                 | <4                               | <2                               | <2                               |
| TOLUENE                                                          | 5.0                                 | <4                               | <2                               | <2                               |
| TRANS-1,2-DICHLOROETHENE                                         | 5.0                                 | <4                               | <2                               | <2                               |
| TRANS-1,3-DICHLOROPROPENE                                        | 0.4                                 | <4                               | <2                               | <2                               |
| TRICHLOROETHYLENE (TCE)                                          | 5.0                                 | 9.7                              | 2.3                              | 43                               |
| TRICHLOROFLUOROMETHANE                                           | 5.0                                 | <4                               | <2                               | <2                               |
| VINYL CHLORIDE                                                   | 2.0                                 | <4                               | 5.4                              | <2                               |
| XYLENES, TOTAL                                                   | 5.0                                 | <8                               | <4                               | <4                               |
| TOTAL VOCs                                                       | NA                                  | 243                              | 412                              | 77                               |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**TABLE 6**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - SVOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard • | DEEP SUMP<br>06/06/19<br>6.8-81.8 (OH) | DEEP SUMP D<br>06/06/19<br>6.8-81.8 (OH) | LMW-01<br>05/21/19<br>9.0-20.6 | LMW-02<br>05/29/19<br>9.0-20.3 | LMW-03<br>05/29/19<br>9.0-20.9 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------------|------------------------------------------|--------------------------------|--------------------------------|--------------------------------|
| <b>SVOCs (ug/L)</b>                                           |                                     |                                        |                                          |                                |                                |                                |
| 2,4,5-TRICHLOROPHENOL                                         | NS                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| 2,4,6-TRICHLOROPHENOL                                         | NS                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| 2,4-DICHLOROPHENOL                                            | 5                                   | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| 2,4-DIMETHYLPHENOL                                            | 50                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| 2,4-DINITROPHENOL                                             | 10                                  | <50                                    | <50                                      | <10                            | <10                            | <10                            |
| 2,4-DINITROTOLUENE                                            | 5                                   | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| 2,6-DINITROTOLUENE                                            | 5                                   | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| 2-CHLORONAPHTHALENE                                           | 10                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| 2-CHLOROPHENOL                                                | 1                                   | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| 2-Methylnaphthalene                                           | NS                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| 2-METHYLPHENOL (O-CRESOL)                                     | 1                                   | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| 2-NITROANILINE                                                | 5                                   | <50                                    | <50                                      | <10                            | <10                            | <10                            |
| 2-NITROPHENOL                                                 | NS                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| 3,3'-DICHLORO BENZIDINE                                       | 5                                   | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| 3-NITROANILINE                                                | 5                                   | <50                                    | <50                                      | <10                            | <10                            | <10                            |
| 4,6-DINITRO-2-METHYLPHENOL                                    | NS                                  | <50                                    | <50                                      | <10                            | <10                            | <10                            |
| 4-BROMOPHENYL PHENYL ETHER                                    | NS                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| 4-CHLORO-3-METHYLPHENOL                                       | 1                                   | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| 4-CHLOROANILINE                                               | 5                                   | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| 4-CHLOROPHENYL PHENYL ETHER                                   | NS                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| 4-METHYLPHENOL (P-CRESOL)                                     | 1                                   | <50                                    | <50                                      | <10                            | <10                            | <10                            |
| 4-NITROANILINE                                                | 5                                   | <50                                    | <50                                      | <10                            | <10                            | <10                            |
| 4-NITROPHENOL                                                 | NS                                  | <50                                    | <50                                      | <10                            | <10                            | <10                            |
| ACENAPHTHENE                                                  | 20                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| ACENAPHTHYLENE                                                | NS                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| ACETOPHENONE                                                  | NS                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| ANTHRACENE                                                    | 50                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| ATRAZINE                                                      | 7.5                                 | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| BENZALDEHYDE                                                  | NS                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| BENZO(A)ANTHRACENE                                            | 0.002                               | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| BENZO(A)PYRENE                                                | ND                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| BENZO(B)FLUORANTHENE                                          | 0.002                               | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| BENZO(G,H,I)PERYLENE                                          | NS                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| BENZO(K)FLUORANTHENE                                          | 0.002                               | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| BENZYL BUTYL PHTHALATE                                        | 50                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| BIPHENYL (DIPHENYL)                                           | 5                                   | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| BIS(2-CHLOROETHOXY) METHANE                                   | 5                                   | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| BIS(2-CHLOROETHYL) ETHER                                      | 1                                   | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| BIS(2-CHLOROISOPROPYL) ETHER                                  | 5                                   | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| BIS(2-ETHYLHEXYL) PHTHALATE                                   | 5                                   | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| CAPROLACTAM                                                   | NS                                  | <25                                    | <25                                      | <5                             | 3.2                            | J                              |
| CARBAZOLE                                                     | NS                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| CHRYSENE                                                      | 0.002                               | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| DIBENZ(A,H)ANTHRACENE                                         | NS                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| DIBENZOFURAN                                                  | NS                                  | <50                                    | <50                                      | <10                            | <10                            | <10                            |
| DIETHYL PHTHALATE                                             | 50                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| DIMETHYL PHTHALATE                                            | 50                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| DI-N-BUTYL PHTHALATE                                          | 50                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| DI-N-OCTYL PHTHALATE                                          | 50                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| FLUORANTHENE                                                  | 50                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| FLUORENE                                                      | 50                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| HEXACHLORO BENZENE                                            | 0.04                                | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| HEXACHLORO BUTADIENE                                          | 0.5                                 | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| HEXACHLOROCYCLOPENTADIENE                                     | 5                                   | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| HEXACHLOROETHANE                                              | 5                                   | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| INDENO(1,2,3-C,D)PYRENE                                       | 0.002                               | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| ISOPHORONE                                                    | 50                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| NAPHTHALENE                                                   | 10                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| NITROBENZENE                                                  | 0.4                                 | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| N-NITROSODI-N-PROPYLAMINE                                     | NS                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| N-NITROSODIPHENYLAMINE                                        | 50                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| PENTACHLOROPHENOL                                             | 1                                   | <50                                    | <50                                      | <10                            | <10                            | <10                            |
| PHENANTHRENE                                                  | 50                                  | <25                                    | <25                                      | <5                             | 0.58                           | J                              |
| PHENOL                                                        | 1                                   | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| PYRENE                                                        | 50                                  | <25                                    | <25                                      | <5                             | <5                             | <5                             |
| <b>TOTAL SVOCs</b>                                            | <b>NA</b>                           | <b>ND</b>                              | <b>ND</b>                                | <b>ND</b>                      | <b>4</b>                       | <b>1</b>                       |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

• = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**TABLE 6**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - SVOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-01-94<br>05/20/19<br>2.3-13.0 | MW-01-02<br>05/20/19<br>4.5-16.8 | MW-01-10<br>05/29/19<br>9.2-20.20 | MW-02-94<br>05/21/19<br>9.5-16.3 | MW-02-02<br>05/21/19<br>5.5-12.0 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------|
| <b>SVOCs (ug/L)</b>                                           |                                     |                                  |                                  |                                   |                                  |                                  |
| 2,4,5-TRICHLOROPHENOL                                         | NS                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| 2,4,6-TRICHLOROPHENOL                                         | NS                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| 2,4-DICHLOROPHENOL                                            | 5                                   | <25                              | <25                              | <5                                | <25                              | <25                              |
| 2,4-DIMETHYLPHENOL                                            | 50                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| 2,4-DINITROPHENOL                                             | 10                                  | <50                              | <50                              | <10                               | <50                              | <50                              |
| 2,4-DINITROTOLUENE                                            | 5                                   | <25                              | <25                              | <5                                | <25                              | <25                              |
| 2,6-DINITROTOLUENE                                            | 5                                   | <25                              | <25                              | <5                                | <25                              | <25                              |
| 2-CHLORONAPHTHALENE                                           | 10                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| 2-CHLOROPHENOL                                                | 1                                   | <25                              | <25                              | <5                                | <25                              | <25                              |
| 2-Methylnaphthalene                                           | NS                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| 2-METHYLPHENOL (O-CRESOL)                                     | 1                                   | <25                              | <25                              | <5                                | <25                              | <25                              |
| 2-NITROANILINE                                                | 5                                   | <50                              | <50                              | <10                               | <50                              | <50                              |
| 2-NITROPHENOL                                                 | NS                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| 3,3'-DICHLORO BENZIDINE                                       | 5                                   | <25                              | <25                              | <5                                | <25                              | <25                              |
| 3-NITROANILINE                                                | 5                                   | <50                              | <50                              | <10                               | <50                              | <50                              |
| 4,6-DINITRO-2-METHYLPHENOL                                    | NS                                  | <50                              | <50                              | <10                               | <50                              | <50                              |
| 4-BROMOPHENYL PHENYL ETHER                                    | NS                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| 4-CHLORO-3-METHYLPHENOL                                       | 1                                   | <25                              | <25                              | <5                                | <25                              | <25                              |
| 4-CHLOROANILINE                                               | 5                                   | <25                              | <25                              | <5                                | <25                              | <25                              |
| 4-CHLOROPHENYL PHENYL ETHER                                   | NS                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| 4-METHYLPHENOL (P-CRESOL)                                     | 1                                   | <50                              | <50                              | <10                               | <50                              | <50                              |
| 4-NITROANILINE                                                | 5                                   | <50                              | <50                              | <10                               | <50                              | <50                              |
| 4-NITROPHENOL                                                 | NS                                  | <50                              | <50                              | <10                               | <50                              | <50                              |
| ACENAPHTHENE                                                  | 20                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| ACENAPHTHYLENE                                                | NS                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| ACETOPHENONE                                                  | NS                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| ANTHRACENE                                                    | 50                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| ATRAZINE                                                      | 7.5                                 | <25                              | <25                              | <5                                | <25                              | <25                              |
| BENZALDEHYDE                                                  | NS                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| BENZO(A)ANTHRACENE                                            | 0.002                               | <25                              | <25                              | <5                                | <25                              | <25                              |
| BENZO(A)PYRENE                                                | ND                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| BENZO(B)FLUORANTHENE                                          | 0.002                               | <25                              | <25                              | <5                                | <25                              | <25                              |
| BENZO(G,H,I)PERYLENE                                          | NS                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| BENZO(K)FLUORANTHENE                                          | 0.002                               | <25                              | <25                              | <5                                | <25                              | <25                              |
| BENZYL BUTYL PHTHALATE                                        | 50                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| BIPHENYL (DIPHENYL)                                           | 5                                   | <25                              | <25                              | <5                                | <25                              | <25                              |
| BIS(2-CHLOROETHOXY) METHANE                                   | 5                                   | <25                              | <25                              | <5                                | <25                              | <25                              |
| BIS(2-CHLOROETHYL) ETHER                                      | 1                                   | <25                              | <25                              | <5                                | <25                              | <25                              |
| BIS(2-CHLOROISOPROPYL) ETHER                                  | 5                                   | <25                              | <25                              | <5                                | <25                              | <25                              |
| BIS(2-ETHYLHEXYL) PHTHALATE                                   | 5                                   | <25                              | <25                              | <5                                | <25                              | <25                              |
| CAPROLACTAM                                                   | NS                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| CARBAZOLE                                                     | NS                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| CHRYSENE                                                      | 0.002                               | <25                              | <25                              | <5                                | <25                              | <25                              |
| DIBENZ(A,H)ANTHRACENE                                         | NS                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| DIBENZOFURAN                                                  | NS                                  | <50                              | <50                              | <10                               | <50                              | <50                              |
| DIETHYL PHTHALATE                                             | 50                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| DIMETHYL PHTHALATE                                            | 50                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| DI-N-BUTYL PHTHALATE                                          | 50                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| DI-N-OCTYLPHTHALATE                                           | 50                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| FLUORANTHENE                                                  | 50                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| FLUORENE                                                      | 50                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| HEXACHLORO BENZENE                                            | 0.04                                | <25                              | <25                              | <5                                | <25                              | <25                              |
| HEXACHLOROBUTADIENE                                           | 0.5                                 | <25                              | <25                              | <5                                | <25                              | <25                              |
| HEXACHLOROCYCLOPENTADIENE                                     | 5                                   | <25                              | <25                              | <5                                | <25                              | <25                              |
| HEXACHLOROETHANE                                              | 5                                   | <25                              | <25                              | <5                                | <25                              | <25                              |
| INDENO(1,2,3-C,D)PYRENE                                       | 0.002                               | <25                              | <25                              | <5                                | <25                              | <25                              |
| ISOPHORONE                                                    | 50                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| NAPHTHALENE                                                   | 10                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| NITROBENZENE                                                  | 0.4                                 | <25                              | <25                              | <5                                | <25                              | <25                              |
| N-NITROSODI-N-PROPYLAMINE                                     | NS                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| N-NITROSODIPHENYLAMINE                                        | 50                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| PENTACHLOROPHENOL                                             | 1                                   | <50                              | <50                              | <10                               | <50                              | <50                              |
| PHENANTHRENE                                                  | 50                                  | <25                              | <25                              | 0.45 J                            | <25                              | <25                              |
| PHENOL                                                        | 1                                   | <25                              | <25                              | <5                                | <25                              | <25                              |
| PYRENE                                                        | 50                                  | <25                              | <25                              | <5                                | <25                              | <25                              |
| <b>TOTAL SVOCs</b>                                            | <b>NA</b>                           | <b>ND</b>                        | <b>ND</b>                        | <b>0.45</b>                       | <b>ND</b>                        | <b>ND</b>                        |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable



**TABLE 6**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - SVOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-02-10<br>05/23/19<br>7.1-18.1 | MW-03-02<br>06/07/19<br>6.5-13.1 | MW-03-02 D<br>06/07/19<br>6.5-13.1 | MW-03-10<br>05/23/19<br>6.6-17.6 | MW-04-02<br>06/06/19<br>4.0-10.4 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|------------------------------------|----------------------------------|----------------------------------|
| <b>SVOCs (ug/L)</b>                                           |                                     |                                  |                                  |                                    |                                  |                                  |
| 2,4,5-TRICHLOROPHENOL                                         | NS                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| 2,4,6-TRICHLOROPHENOL                                         | NS                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| 2,4-DICHLOROPHENOL                                            | 5                                   | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| 2,4-DIMETHYLPHENOL                                            | 50                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| 2,4-DINITROPHENOL                                             | 10                                  | <11                              | <50                              | <50                                | <10                              | <50                              |
| 2,4-DINITROTOLUENE                                            | 5                                   | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| 2,6-DINITROTOLUENE                                            | 5                                   | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| 2-CHLORONAPHTHALENE                                           | 10                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| 2-CHLOROPHENOL                                                | 1                                   | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| 2-Methylnaphthalene                                           | NS                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| 2-METHYLPHENOL (O-CRESOL)                                     | 1                                   | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| 2-NITROANILINE                                                | 5                                   | <11                              | <50                              | <50                                | <10                              | <50                              |
| 2-NITROPHENOL                                                 | NS                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| 3,3'-DICHLORO BENZIDINE                                       | 5                                   | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| 3-NITROANILINE                                                | 5                                   | <11                              | <50                              | <50                                | <10                              | <50                              |
| 4,6-DINITRO-2-METHYLPHENOL                                    | NS                                  | <11                              | <50                              | <50                                | <10                              | <50                              |
| 4-BROMOPHENYL PHENYL ETHER                                    | NS                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| 4-CHLORO-3-METHYLPHENOL                                       | 1                                   | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| 4-CHLOROANILINE                                               | 5                                   | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| 4-CHLOROPHENYL PHENYL ETHER                                   | NS                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| 4-METHYLPHENOL (P-CRESOL)                                     | 1                                   | <11                              | <50                              | <50                                | <10                              | <50                              |
| 4-NITROANILINE                                                | 5                                   | <11                              | <50                              | <50                                | <10                              | <50                              |
| 4-NITROPHENOL                                                 | NS                                  | <11                              | <50                              | <50                                | <10                              | <50                              |
| ACENAPHTHENE                                                  | 20                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| ACENAPHTHYLENE                                                | NS                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| ACETOPHENONE                                                  | NS                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| ANTHRACENE                                                    | 50                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| ATRAZINE                                                      | 7.5                                 | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| BENZALDEHYDE                                                  | NS                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| BENZO(A)ANTHRACENE                                            | 0.002                               | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| BENZO(A)PYRENE                                                | ND                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| BENZO(B)FLUORANTHENE                                          | 0.002                               | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| BENZO(G,H,I)PERYLENE                                          | NS                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| BENZO(K)FLUORANTHENE                                          | 0.002                               | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| BENZYL BUTYL PHTHALATE                                        | 50                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| BIPHENYL (DIPHENYL)                                           | 5                                   | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| BIS(2-CHLOROETHOXY) METHANE                                   | 5                                   | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| BIS(2-CHLOROETHYL) ETHER                                      | 1                                   | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| BIS(2-CHLOROISOPROPYL) ETHER                                  | 5                                   | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| BIS(2-ETHYLHEXYL) PHTHALATE                                   | 5                                   | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| CAPROLACTAM                                                   | NS                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| CARBAZOLE                                                     | NS                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| CHRYSENE                                                      | 0.002                               | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| DIBENZ(A,H)ANTHRACENE                                         | NS                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| DIBENZOFURAN                                                  | NS                                  | <11                              | <50                              | <50                                | <10                              | <50                              |
| DIETHYL PHTHALATE                                             | 50                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| DIMETHYL PHTHALATE                                            | 50                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| DI-N-BUTYL PHTHALATE                                          | 50                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| DI-N-OCTYLPHTHALATE                                           | 50                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| FLUORANTHENE                                                  | 50                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| FLUORENE                                                      | 50                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| HEXACHLORO BENZENE                                            | 0.04                                | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| HEXACHLOROBUTADIENE                                           | 0.5                                 | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| HEXACHLOROCYCLOPENTADIENE                                     | 5                                   | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| HEXACHLOROETHANE                                              | 5                                   | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| INDENO(1,2,3-C,D)PYRENE                                       | 0.002                               | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| ISOPHORONE                                                    | 50                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| NAPHTHALENE                                                   | 10                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| NITROBENZENE                                                  | 0.4                                 | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| N-NITROSODI-N-PROPYLAMINE                                     | NS                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| N-NITROSODIPHENYLAMINE                                        | 50                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| PENTACHLOROPHENOL                                             | 1                                   | <11                              | <50                              | <50                                | <10                              | <50                              |
| PHENANTHRENE                                                  | 50                                  | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| PHENOL                                                        | 1                                   | <5.6                             | <25                              | <25                                | <5.2                             | <25                              |
| PYRENE                                                        | 50                                  | <5.6                             | <25                              | <25                                | <5.2                             | 1.7 J                            |
| <b>TOTAL SVOCs</b>                                            | NA                                  | ND                               | ND                               | ND                                 | ND                               | 2                                |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**TABLE 6**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - SVOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-05-94<br>06/03/19<br>2.8-8.9 | MW-06-94<br>05/20/19<br>10.0-18.7 | MW-06-94 D<br>05/20/19<br>10.0-18.7 | MW-06-10<br>05/23/19<br>9.4-19.4 | MW-06-10 D<br>05/23/19<br>9.4-19.4 |
|---------------------------------------------------------------|-------------------------------------|---------------------------------|-----------------------------------|-------------------------------------|----------------------------------|------------------------------------|
| <b>SVOCs (ug/L)</b>                                           |                                     |                                 |                                   |                                     |                                  |                                    |
| 2,4,5-TRICHLOROPHENOL                                         | NS                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| 2,4,6-TRICHLOROPHENOL                                         | NS                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| 2,4-DICHLOROPHENOL                                            | 5                                   | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| 2,4-DIMETHYLPHENOL                                            | 50                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| 2,4-DINITROPHENOL                                             | 10                                  | <50                             | <50                               | <50                                 | <50                              | <10                                |
| 2,4-DINITROTOLUENE                                            | 5                                   | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| 2,6-DINITROTOLUENE                                            | 5                                   | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| 2-CHLORONAPHTHALENE                                           | 10                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| 2-CHLOROPHENOL                                                | 1                                   | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| 2-Methylnaphthalene                                           | NS                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| 2-METHYLPHENOL (O-CRESOL)                                     | 1                                   | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| 2-NITROANILINE                                                | 5                                   | <50                             | <50                               | <50                                 | <50                              | <10                                |
| 2-NITROPHENOL                                                 | NS                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| 3,3'-DICHLOROENZIDINE                                         | 5                                   | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| 3-NITROANILINE                                                | 5                                   | <50                             | <50                               | <50                                 | <50                              | <10                                |
| 4,6-DINITRO-2-METHYLPHENOL                                    | NS                                  | <50                             | <50                               | <50                                 | <50                              | <10                                |
| 4-BROMOPHENYL PHENYL ETHER                                    | NS                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| 4-CHLORO-3-METHYLPHENOL                                       | 1                                   | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| 4-CHLOROANILINE                                               | 5                                   | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| 4-CHLOROPHENYL PHENYL ETHER                                   | NS                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| 4-METHYLPHENOL (P-CRESOL)                                     | 1                                   | <50                             | <50                               | <50                                 | <50                              | <10                                |
| 4-NITROANILINE                                                | 5                                   | <50                             | <50                               | <50                                 | <50                              | <10                                |
| 4-NITROPHENOL                                                 | NS                                  | <50                             | <50                               | <50                                 | <50                              | <10                                |
| ACENAPHTHENE                                                  | 20                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| ACENAPHTHYLENE                                                | NS                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| ACETOPHENONE                                                  | NS                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| ANTHRACENE                                                    | 50                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| ATRAZINE                                                      | 7.5                                 | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| BENZALDEHYDE                                                  | NS                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| BENZO(A)ANTHRACENE                                            | 0.002                               | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| BENZO(A)PYRENE                                                | ND                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| BENZO(B)FLUORANTHENE                                          | 0.002                               | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| BENZO(G,H,I)PERYLENE                                          | NS                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| BENZO(K)FLUORANTHENE                                          | 0.002                               | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| BENZYL BUTYL PHTHALATE                                        | 50                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| BIPHENYL (DIPHENYL)                                           | 5                                   | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| BIS(2-CHLOROETHOXY) METHANE                                   | 5                                   | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| BIS(2-CHLOROETHYL) ETHER                                      | 1                                   | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| BIS(2-CHLOROISOPROPYL) ETHER                                  | 5                                   | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| BIS(2-ETHYLHEXYL) PHTHALATE                                   | 5                                   | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| CAPROLACTAM                                                   | NS                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| CARBAZOLE                                                     | NS                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| CHRYSENE                                                      | 0.002                               | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| DIBENZ(A,H)ANTHRACENE                                         | NS                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| DIBENZOFURAN                                                  | NS                                  | <50                             | <50                               | <50                                 | <50                              | <10                                |
| DIETHYL PHTHALATE                                             | 50                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| DIMETHYL PHTHALATE                                            | 50                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| DI-N-BUTYL PHTHALATE                                          | 50                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| DI-N-OCTYLPHTHALATE                                           | 50                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| FLUORANTHENE                                                  | 50                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| FLUORENE                                                      | 50                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| HEXACHLOROENZENE                                              | 0.04                                | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| HEXACHLOROBUTADIENE                                           | 0.5                                 | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| HEXACHLOROCYCLOPENTADIENE                                     | 5                                   | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| HEXACHLOROETHANE                                              | 5                                   | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| INDENO(1,2,3-C,D)PYRENE                                       | 0.002                               | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| ISOPHORONE                                                    | 50                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| NAPHTHALENE                                                   | 10                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| NITROBENZENE                                                  | 0.4                                 | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| N-NITROSODI-N-PROPYLAMINE                                     | NS                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| N-NITROSODIPHENYLAMINE                                        | 50                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| PENTACHLOROPHENOL                                             | 1                                   | <50                             | <50                               | <50                                 | <50                              | <10                                |
| PHENANTHRENE                                                  | 50                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| PHENOL                                                        | 1                                   | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| PYRENE                                                        | 50                                  | <25                             | <25                               | <25                                 | <25                              | <5                                 |
| <b>TOTAL SVOCs</b>                                            | <b>NA</b>                           | <b>ND</b>                       | <b>ND</b>                         | <b>ND</b>                           | <b>ND</b>                        | <b>ND</b>                          |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**TABLE 6**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - SVOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-07-94<br>05/22/19<br>2.4-8.4 | MW-07-03<br>05/31/19<br>4.0-16.3 | MW-08-03<br>05/31/19<br>3.0-15.5 | MW-08-03 D<br>05/31/19<br>3.0-15.5 | MW-10-03<br>06/03/19<br>2.5-14.0 |
|---------------------------------------------------------------|-------------------------------------|---------------------------------|----------------------------------|----------------------------------|------------------------------------|----------------------------------|
| <b>SVOCs (ug/L)</b>                                           |                                     |                                 |                                  |                                  |                                    |                                  |
| 2,4,5-TRICHLOROPHENOL                                         | NS                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| 2,4,6-TRICHLOROPHENOL                                         | NS                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| 2,4-DICHLOROPHENOL                                            | 5                                   | <25                             | <100                             | <100                             | <100                               | <25                              |
| 2,4-DIMETHYLPHENOL                                            | 50                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| 2,4-DINITROPHENOL                                             | 10                                  | <50                             | <200                             | <200                             | <200                               | <50                              |
| 2,4-DINITROTOLUENE                                            | 5                                   | <25                             | <100                             | <100                             | <100                               | <25                              |
| 2,6-DINITROTOLUENE                                            | 5                                   | <25                             | <100                             | <100                             | <100                               | <25                              |
| 2-CHLORONAPHTHALENE                                           | 10                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| 2-CHLOROPHENOL                                                | 1                                   | <25                             | <100                             | <100                             | <100                               | <25                              |
| 2-Methylnaphthalene                                           | NS                                  | <25                             | <100                             | <100                             | <100                               | 4.8 J                            |
| 2-METHYLPHENOL (O-CRESOL)                                     | 1                                   | <25                             | <100                             | <100                             | <100                               | <25                              |
| 2-NITROANILINE                                                | 5                                   | <50                             | <200                             | <200                             | <200                               | <50                              |
| 2-NITROPHENOL                                                 | NS                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| 3,3'-DICHLORO BENZIDINE                                       | 5                                   | <25                             | <100                             | <100                             | <100                               | <25                              |
| 3-NITROANILINE                                                | 5                                   | <50                             | <200                             | <200                             | <200                               | <50                              |
| 4,6-DINITRO-2-METHYLPHENOL                                    | NS                                  | <50                             | <200                             | <200                             | <200                               | <50                              |
| 4-BROMOPHENYL PHENYL ETHER                                    | NS                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| 4-CHLORO-3-METHYLPHENOL                                       | 1                                   | <25                             | <100                             | <100                             | <100                               | <25                              |
| 4-CHLOROANILINE                                               | 5                                   | <25                             | <100                             | <100                             | <100                               | <25                              |
| 4-CHLOROPHENYL PHENYL ETHER                                   | NS                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| 4-METHYLPHENOL (P-CRESOL)                                     | 1                                   | <50                             | <200                             | <200                             | <200                               | <50                              |
| 4-NITROANILINE                                                | 5                                   | <50                             | <200                             | <200                             | <200                               | <50                              |
| 4-NITROPHENOL                                                 | NS                                  | <50                             | <200                             | <200                             | <200                               | <50                              |
| ACENAPHTHENE                                                  | 20                                  | <25                             | 14 J                             | <100                             | <100                               | <25                              |
| ACENAPHTHYLENE                                                | NS                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| ACETOPHENONE                                                  | NS                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| ANTHRACENE                                                    | 50                                  | <25                             | 20 J                             | <100                             | <100                               | <25                              |
| ATRAZINE                                                      | 7.5                                 | <25                             | <100                             | <100                             | <100                               | <25                              |
| BENZALDEHYDE                                                  | NS                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| BENZO(A)ANTHRACENE                                            | 0.002                               | <25                             | 69 J                             | 10 J                             | <100                               | <25                              |
| BENZO(A)PYRENE                                                | ND                                  | <25                             | 64 J                             | 13 J                             | <100                               | 2.6 J                            |
| BENZO(B)FLUORANTHENE                                          | 0.002                               | <25                             | 85 J                             | 15 J                             | <100                               | 3 J                              |
| BENZO(G,H,I)PERYLENE                                          | NS                                  | <25                             | 48 J                             | 9.5 J                            | <100                               | 2.7 J                            |
| BENZO(K)FLUORANTHENE                                          | 0.002                               | <25                             | 43 J                             | <100                             | <100                               | <25                              |
| BENZYL BUTYL PHTHALATE                                        | 50                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| BIPHENYL (DIPHENYL)                                           | 5                                   | <25                             | <100                             | <100                             | <100                               | <25                              |
| BIS(2-CHLOROETHOXY) METHANE                                   | 5                                   | <25                             | <100                             | <100                             | <100                               | <25                              |
| BIS(2-CHLOROETHYL) ETHER                                      | 1                                   | <25                             | <100                             | <100                             | <100                               | <25                              |
| BIS(2-CHLOROISOPROPYL) ETHER                                  | 5                                   | <25                             | <100                             | <100                             | <100                               | <25                              |
| BIS(2-ETHYLHEXYL) PHTHALATE                                   | 5                                   | <25                             | <100                             | <100                             | <100                               | <25                              |
| CAPROLACTAM                                                   | NS                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| CARBAZOLE                                                     | NS                                  | <25                             | 16 J                             | <100                             | <100                               | <25                              |
| CHRYSENE                                                      | 0.002                               | <25                             | 79 J                             | 12 J                             | <100                               | <25                              |
| DIBENZ(A,H)ANTHRACENE                                         | NS                                  | <25                             | 15 J                             | <100                             | <100                               | <25                              |
| DIBENZOFURAN                                                  | NS                                  | <50                             | <200                             | <200                             | <200                               | <50                              |
| DIETHYL PHTHALATE                                             | 50                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| DIMETHYL PHTHALATE                                            | 50                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| DI-N-BUTYL PHTHALATE                                          | 50                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| DI-N-OCTYLPHTHALATE                                           | 50                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| FLUORANTHENE                                                  | 50                                  | <25                             | 160                              | 22 J                             | <100                               | 3 J                              |
| FLUORENE                                                      | 50                                  | <25                             | 12 J                             | <100                             | <100                               | <25                              |
| HEXACHLORO BENZENE                                            | 0.04                                | <25                             | <100                             | <100                             | <100                               | <25                              |
| HEXACHLOROBUTADIENE                                           | 0.5                                 | <25                             | <100                             | <100                             | <100                               | <25                              |
| HEXACHLOROCYCLOPENTADIENE                                     | 5                                   | <25                             | <100                             | <100                             | <100                               | <25                              |
| HEXACHLOROETHANE                                              | 5                                   | <25                             | <100                             | <100                             | <100                               | <25                              |
| INDENO(1,2,3-C,D)PYRENE                                       | 0.002                               | <25                             | 42 J                             | <100                             | <100                               | 2.4 J                            |
| ISOPHORONE                                                    | 50                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| NAPHTHALENE                                                   | 10                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| NITROBENZENE                                                  | 0.4                                 | <25                             | <100                             | <100                             | <100                               | <25                              |
| N-NITROSODI-N-PROPYLAMINE                                     | NS                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| N-NITROSODIPHENYLAMINE                                        | 50                                  | <25                             | <100                             | <100                             | <100                               | <25                              |
| PENTACHLOROPHENOL                                             | 1                                   | <50                             | <200                             | <200                             | <200                               | <50                              |
| PHENANTHRENE                                                  | 50                                  | <25                             | 110                              | 15 J                             | <100                               | 3.6 B,J                          |
| PHENOL                                                        | 1                                   | <25                             | <100                             | <100                             | <100                               | <25                              |
| PYRENE                                                        | 50                                  | <25                             | 120                              | 18 J                             | <100                               | 2.9 J                            |
| <b>TOTAL SVOCs</b>                                            | NA                                  | ND                              | 897                              | 115                              | ND                                 | 25                               |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**TABLE 6**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - SVOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-11-03<br>05/22/19<br>3.0-15.0 | MW-13-03<br>06/21/19<br>3.0-16.0 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|
| <b>SVOCs (ug/L)</b>                                           |                                     |                                  |                                  |
| 2,4,5-TRICHLOROPHENOL                                         | NS                                  | <140                             | <100                             |
| 2,4,6-TRICHLOROPHENOL                                         | NS                                  | <140                             | <100                             |
| 2,4-DICHLOROPHENOL                                            | 5                                   | <140                             | <100                             |
| 2,4-DIMETHYLPHENOL                                            | 50                                  | <140                             | <100                             |
| 2,4-DINITROPHENOL                                             | 10                                  | <280                             | <200                             |
| 2,4-DINITROTOLUENE                                            | 5                                   | <140                             | <100                             |
| 2,6-DINITROTOLUENE                                            | 5                                   | <140                             | <100                             |
| 2-CHLORONAPHTHALENE                                           | 10                                  | <140                             | <100                             |
| 2-CHLOROPHENOL                                                | 1                                   | <140                             | <100                             |
| 2-Methylnaphthalene                                           | NS                                  | <140                             | <100                             |
| 2-METHYLPHENOL (O-CRESOL)                                     | 1                                   | <140                             | <100                             |
| 2-NITROANILINE                                                | 5                                   | <280                             | <200                             |
| 2-NITROPHENOL                                                 | NS                                  | <140                             | <100                             |
| 3,3'-DICHLOROBENZIDINE                                        | 5                                   | <140                             | <100                             |
| 3-NITROANILINE                                                | 5                                   | <280                             | <200                             |
| 4,6-DINITRO-2-METHYLPHENOL                                    | NS                                  | <280                             | <200                             |
| 4-BROMOPHENYL PHENYL ETHER                                    | NS                                  | <140                             | <200                             |
| 4-CHLORO-3-METHYLPHENOL                                       | 1                                   | <140                             | <100                             |
| 4-CHLOROANILINE                                               | 5                                   | <140                             | <100                             |
| 4-CHLOROPHENYL PHENYL ETHER                                   | NS                                  | <140                             | <100                             |
| 4-METHYLPHENOL (P-CRESOL)                                     | 1                                   | <280                             | <100                             |
| 4-NITROANILINE                                                | 5                                   | <280                             | <200                             |
| 4-NITROPHENOL                                                 | NS                                  | <280                             | <200                             |
| ACENAPHTHENE                                                  | 20                                  | <140                             | <100                             |
| ACENAPHTHYLENE                                                | NS                                  | <140                             | <100                             |
| ACETOPHENONE                                                  | NS                                  | <140                             | <100                             |
| ANTHRACENE                                                    | 50                                  | <140                             | <100                             |
| ATRAZINE                                                      | 7.5                                 | <140                             | <100                             |
| BENZALDEHYDE                                                  | NS                                  | <140                             | <100                             |
| BENZO(A)ANTHRACENE                                            | 0.002                               | <140                             | <100                             |
| BENZO(A)PYRENE                                                | ND                                  | 15                               | J                                |
| BENZO(B)FLUORANTHENE                                          | 0.002                               | 20                               | J                                |
| BENZO(G,H,I)PERYLENE                                          | NS                                  | 15                               | J                                |
| BENZO(K)FLUORANTHENE                                          | 0.002                               | <140                             | <100                             |
| BENZYL BUTYL PHTHALATE                                        | 50                                  | <140                             | <100                             |
| BIPHENYL (DIPHENYL)                                           | 5                                   | <140                             | <100                             |
| BIS(2-CHLOROETHOXY) METHANE                                   | 5                                   | <140                             | <100                             |
| BIS(2-CHLOROETHYL) ETHER                                      | 1                                   | <140                             | <100                             |
| BIS(2-CHLOROISOPROPYL) ETHER                                  | 5                                   | <140                             | <100                             |
| BIS(2-ETHYLHEXYL) PHTHALATE                                   | 5                                   | <140                             | <100                             |
| CAPROLACTAM                                                   | NS                                  | <140                             | <100                             |
| CARBAZOLE                                                     | NS                                  | <140                             | <100                             |
| CHRYSENE                                                      | 0.002                               | 15                               | J                                |
| DIBENZ(A,H)ANTHRACENE                                         | NS                                  | <140                             | <100                             |
| DIBENZOFURAN                                                  | NS                                  | <280                             | <200                             |
| DIETHYL PHTHALATE                                             | 50                                  | <140                             | <100                             |
| DIMETHYL PHTHALATE                                            | 50                                  | <140                             | <100                             |
| DI-N-BUTYL PHTHALATE                                          | 50                                  | <140                             | <100                             |
| DI-N-OCTYLPHTHALATE                                           | 50                                  | <140                             | <100                             |
| FLUORANTHENE                                                  | 50                                  | 25                               | J                                |
| FLUORENE                                                      | 50                                  | <140                             | <100                             |
| HEXACHLOROBENZENE                                             | 0.04                                | <140                             | <100                             |
| HEXACHLOROBUTADIENE                                           | 0.5                                 | <140                             | <100                             |
| HEXACHLOROCYCLOPENTADIENE                                     | 5                                   | <140                             | <100                             |
| HEXACHLOROETHANE                                              | 5                                   | <140                             | <100                             |
| INDENO(1,2,3-C,D)PYRENE                                       | 0.002                               | 15                               | J                                |
| ISOPHORONE                                                    | 50                                  | <140                             | <100                             |
| NAPHTHALENE                                                   | 10                                  | <140                             | <100                             |
| NITROBENZENE                                                  | 0.4                                 | <140                             | <100                             |
| N-NITROSODI-N-PROPYLAMINE                                     | NS                                  | <140                             | <100                             |
| N-NITROSODIPHENYLAMINE                                        | 50                                  | <140                             | <100                             |
| PENTACHLOROPHENOL                                             | 1                                   | <280                             | <200                             |
| PHENANTHRENE                                                  | 50                                  | <140                             | <100                             |
| PHENOL                                                        | 1                                   | <140                             | <100                             |
| PYRENE                                                        | 50                                  | 19                               | J                                |
| <b>TOTAL SVOCs</b>                                            | <b>NA</b>                           | <b>124</b>                       | <b>ND</b>                        |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**TABLE 7**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - METALS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | DEEP SUMP<br>06/06/19<br>6.8-81.8 (OH) | DEEP SUMP (D)<br>06/06/19<br>6.8-81.8 (OH) | LMW-01<br>05/21/19<br>9.0-20.6 | LMW-02<br>05/29/19<br>9.0-20.3 | LMW-03<br>05/29/19<br>9.0-20.85 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------------|--------------------------------------------|--------------------------------|--------------------------------|---------------------------------|
| <b>Metals (mg/L)</b>                                          |                                     |                                        |                                            |                                |                                |                                 |
| ALUMINUM                                                      | 2.0                                 | <0.2                                   | <0.2                                       | <0.2                           | <0.2                           | <0.2                            |
| ANTIMONY                                                      | 0.003                               | <0.02                                  | <0.02                                      | <0.02                          | <0.02                          | <0.02                           |
| ARSENIC                                                       | 0.025                               | <0.015                                 | <0.015                                     | 0.012 J                        | <0.015                         | <0.015                          |
| BARIUM                                                        | 1.0                                 | 0.033                                  | 0.033                                      | 0.045                          | 0.028                          | 0.092                           |
| BERYLLIUM                                                     | 0.003                               | <0.002                                 | <0.002                                     | <0.002                         | <0.002                         | <0.002                          |
| CADMIUM                                                       | 0.005                               | <0.002                                 | <0.002                                     | <0.002                         | <0.002                         | <0.002                          |
| CALCIUM                                                       | NS                                  | 79.1                                   | 85.6                                       | 89.9                           | 92.1                           | 106                             |
| CHROMIUM, TOTAL                                               | 0.05                                | <0.004                                 | 0.0014 J                                   | <0.004                         | <0.004                         | <0.004                          |
| COBALT                                                        | 0.11                                | <0.004                                 | <0.004                                     | 0.00075 J                      | <0.004                         | <0.004                          |
| COPPER                                                        | 0.2                                 | 0.0099 J                               | 0.0035 J                                   | 0.006 J                        | <0.01                          | 0.0016 J                        |
| IRON                                                          | 0.3                                 | 0.03 J                                 | 0.78                                       | 0.047 J                        | 0.28 B                         | 0.036 BJ                        |
| LEAD                                                          | 0.025                               | <0.01                                  | <0.01                                      | <0.01                          | <0.01                          | <0.01                           |
| MAGNESIUM                                                     | 35.0                                | 6.8                                    | 8.5                                        | 13.8                           | 10.7                           | 27.3                            |
| MANGANESE                                                     | 0.3                                 | 0.054                                  | 0.17                                       | 0.025 B                        | 0.077 B                        | 0.11 B                          |
| NICKEL                                                        | 0.1                                 | 0.0024 J                               | 0.0026 J                                   | 0.046                          | 0.0078 J                       | 0.0038 J                        |
| POTASSIUM                                                     | NS                                  | 2.8                                    | 2.7                                        | 3.2                            | 3.5                            | 4.8                             |
| SELENIUM                                                      | 0.01                                | <0.025                                 | <0.025                                     | <0.025                         | <0.025                         | <0.025                          |
| SILVER                                                        | 0.05                                | <0.006                                 | <0.006                                     | <0.006                         | <0.006                         | <0.006                          |
| SODIUM                                                        | 20.0                                | 11.8                                   | 15.8                                       | 108                            | 60.6                           | 37.7 0                          |
| THALLIUM                                                      | 0.0005                              | <0.02                                  | <0.02                                      | <0.02                          | <0.02                          | <0.02                           |
| VANADIUM                                                      | NS                                  | <0.005                                 | <0.005                                     | <0.005                         | <0.005                         | <0.005                          |
| ZINC                                                          | 2.0                                 | 0.023                                  | 0.023                                      | 0.0085 J                       | <0.01                          | 0.019 B                         |
| MERCURY                                                       | 0.0007                              | <0.0002                                | <0.0002                                    | <0.0002                        | <0.0002                        | <0.0002                         |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.  
OH - Feet below ground surface of Open Hole interval for the well.  
+ = Results of filtered samples.  
B = Analyte detected in the associated blank, as well as in the sample (organics); value is greater than or equal to the instrument detection limit, but less than the contract required detection limit (inorganics).  
J = Compound reported at an estimated concentration below the reporting limit.  
B = Analyte detected in the associated blank.  
mg/L = milligrams per liter or parts per million.  
< = Not detected - below laboratory's Reporting Limit (RL)  
D = Duplicate Sample, ND = Not Detected,  
NS = No Standard and shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 7**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - METALS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-01-94<br>05/29/19<br>2.3-13.0 | MW-01-02<br>05/20/19<br>4.5-16.8 | MW-01-10<br>05/23/19<br>9.2-20.20 | MW-02-94<br>05/21/19<br>9.5-16.3 | MW-02-02<br>05/21/19<br>5.5-12.0 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------|
| <b>Metals (mg/L)</b>                                          |                                     |                                  |                                  |                                   |                                  |                                  |
| ALUMINUM                                                      | 2.0                                 | <0.2                             | <0.2                             | <0.2                              | <0.2                             | <0.2                             |
| ANTIMONY                                                      | 0.003                               | <0.02                            | <0.02                            | <0.02                             | <0.02                            | <0.02                            |
| ARSENIC                                                       | 0.025                               | 0.0074 J                         | <0.015                           | <0.015                            | <0.015                           | <0.015                           |
| BARIUM                                                        | 1.0                                 | 0.012                            | 0.035                            | 0.036                             | 0.026                            | 0.06                             |
| BERYLLIUM                                                     | 0.003                               | <0.002                           | <0.002                           | <0.002                            | <0.002                           | <0.002                           |
| CADMIUM                                                       | 0.005                               | <0.002                           | <0.002                           | <0.002                            | <0.002                           | <0.002                           |
| CALCIUM                                                       | NS                                  | 75.3                             | 117                              | 111                               | 75.2                             | 111                              |
| CHROMIUM, TOTAL                                               | 0.05                                | 0.0069                           | <0.004                           | <0.004                            | <0.004                           | <0.004                           |
| COBALT                                                        | 0.11                                | <0.004                           | <0.004                           | <0.004                            | <0.004                           | <0.004                           |
| COPPER                                                        | 0.2                                 | 0.011                            | <0.01                            | <0.01                             | <0.01                            | <0.01                            |
| IRON                                                          | 0.3                                 | 0.1 B                            | 1.0 B                            | 0.038 J                           | 0.39                             | 0.086                            |
| LEAD                                                          | 0.025                               | <0.01                            | <0.01                            | <0.01                             | <0.01                            | <0.01                            |
| MAGNESIUM                                                     | 35.0                                | 5.7                              | 17.7                             | 23.5                              | 8.5                              | 13.5                             |
| MANGANESE                                                     | 0.3                                 | 0.0013 BJ                        | 0.97 B                           | 0.76                              | 0.44 B                           | 0.041 B                          |
| NICKEL                                                        | 0.1                                 | 0.0036 J                         | <0.01                            | 0.002 J                           | 0.0013 J                         | 0.0042 J                         |
| POTASSIUM                                                     | NS                                  | 2                                | 2.5                              | 2 B                               | 2.4                              | 7.8                              |
| SELENIUM                                                      | 0.01                                | <0.025                           | <0.025                           | <0.025                            | <0.025                           | <0.025                           |
| SILVER                                                        | 0.05                                | <0.006                           | <0.006                           | <0.006                            | <0.006                           | <0.006                           |
| SODIUM                                                        | 20.0                                | 4.6                              | 39.9                             | 58.2 B                            | 12.3                             | 47.1                             |
| THALLIUM                                                      | 0.0005                              | <0.02                            | <0.02                            | <0.02                             | <0.02                            | <0.02                            |
| VANADIUM                                                      | NS                                  | <0.005                           | <0.005                           | <0.005                            | <0.005                           | <0.005                           |
| ZINC                                                          | 2.0                                 | 0.0047 BJ                        | <0.01                            | <0.01                             | 0.014                            | 0.005 J                          |
| MERCURY                                                       | 0.0007                              | <0.0002                          | <0.0002                          | <0.0002                           | <0.0002                          | <0.0002                          |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.  
OH - Feet below ground surface of Open Hole interval for the well.  
+ = Results of filtered samples.  
B = Analyte detected in the associated blank, as well as in the sample (organics); value is greater than or equal to the instrument detection limit, but less than the contract required detection limit (inorganics).  
J = Compound reported at an estimated concentration below the reporting limit.  
B = Analyte detected in the associated blank.  
mg/L = milligrams per liter or parts per million.  
< = Not detected - below laboratory's Reporting Limit (RL)  
D = Duplicate Sample, ND = Not Detected,  
NS = No Standard and shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 7**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - METALS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-02-10<br>05/23/19<br>7.1-18.1 | MW-03-02<br>06/07/19<br>6.5-13.1 | MW-03-02 D<br>06/07/19<br>6.5-13.1 | MW-03-10<br>05/23/19<br>6.6-17.6 | MW-04-02<br>06/06/19<br>4.0-10.4 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|------------------------------------|----------------------------------|----------------------------------|
| Metals (mg/L)                                                 |                                     |                                  |                                  |                                    |                                  |                                  |
| ALUMINUM                                                      | 2.0                                 | <0.2                             | <0.2                             | <0.2                               | <0.2                             | <0.2                             |
| ANTIMONY                                                      | 0.003                               | <0.02                            | <0.02                            | <0.02                              | <0.02                            | <0.02                            |
| ARSENIC                                                       | 0.025                               | <0.015                           | <0.015                           | <0.015                             | <0.015                           | <0.015                           |
| BARIUM                                                        | 1.0                                 | 0.017                            | 0.022                            | 0.021                              | 0.034                            | 0.021                            |
| BERYLLIUM                                                     | 0.003                               | <0.002                           | <0.002                           | <0.002                             | <0.002                           | <0.002                           |
| CADMIUM                                                       | 0.005                               | <0.002                           | <0.002                           | <0.002                             | <0.002                           | <0.002                           |
| CALCIUM                                                       | NS                                  | 69.5                             | 82.1                             | 79                                 | 168                              | 85                               |
| CHROMIUM, TOTAL                                               | 0.05                                | 0.0059                           | 0.0011 J                         | 0.0011 J                           | 0.0013 J                         | 0.0011 J                         |
| COBALT                                                        | 0.11                                | <0.004                           | <0.004                           | <0.004                             | <0.004                           | <0.004                           |
| COPPER                                                        | 0.2                                 | 0.0028 J                         | <0.01                            | <0.01                              | 0.0021 J                         | <0.01                            |
| IRON                                                          | 0.3                                 | <0.05                            | 0.17                             | 0.18                               | 0.0 J                            | 1.7                              |
| LEAD                                                          | 0.025                               | <0.01                            | <0.01                            | <0.01                              | <0.01                            | <0.01                            |
| MAGNESIUM                                                     | 35.0                                | 13.6                             | 10                               | 9.6                                | 35.9                             | 10.2                             |
| MANGANESE                                                     | 0.3                                 | <0.003                           | 0.34                             | 0.34                               | 0.0084                           | 0.63                             |
| NICKEL                                                        | 0.1                                 | <0.01                            | <0.01                            | <0.01                              | 0.0021 J                         | <0.01                            |
| POTASSIUM                                                     | NS                                  | 2.3 B                            | 3                                | 2.8                                | 4.5 B                            | 2.6                              |
| SELENIUM                                                      | 0.01                                | <0.025                           | <0.025                           | <0.025                             | <0.025                           | <0.025                           |
| SILVER                                                        | 0.05                                | <0.006                           | <0.006                           | <0.006                             | <0.006                           | <0.006                           |
| SODIUM                                                        | 20.0                                | 56.1                             | 27                               | 25.5                               | 109 B                            | 20.5                             |
| THALLIUM                                                      | 0.0005                              | <0.02                            | <0.02                            | <0.02                              | <0.02                            | <0.02                            |
| VANADIUM                                                      | NS                                  | <0.005                           | <0.005                           | <0.005                             | <0.005                           | <0.005                           |
| ZINC                                                          | 2.0                                 | 0.0027 J                         | <0.01                            | <0.01                              | 0.0061 J                         | <0.01                            |
| MERCURY                                                       | 0.0007                              | <0.0002                          | <0.0002                          | <0.0002                            | <0.0002                          | <0.0002                          |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.  
OH - Feet below ground surface of Open Hole interval for the well.  
+ = Results of filtered samples.  
B = Analyte detected in the associated blank, as well as in the sample (organics); value is greater than or equal to the instrument detection limit, but less than the contract required detection limit (inorganics).  
J = Compound reported at an estimated concentration below the reporting limit.  
B = Analyte detected in the associated blank.  
mg/L = milligrams per liter or parts per million.  
< = Not detected - below laboratory's Reporting Limit (RL)  
D = Duplicate Sample, ND = Not Detected,  
NS = No Standard and shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 7**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - METALS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-05-94<br>06/03/19<br>2.8-8.9 | MW-06-94<br>05/20/19<br>10.0-18.7 | MW-06-94 D<br>05/20/19<br>10.0-18.7 | MW-06-10<br>05/23/19<br>9.4-19.4 | MW-06-10 D<br>05/23/19<br>9.4-19.4 |
|---------------------------------------------------------------|-------------------------------------|---------------------------------|-----------------------------------|-------------------------------------|----------------------------------|------------------------------------|
| Metals (mg/L)                                                 |                                     |                                 |                                   |                                     |                                  |                                    |
| ALUMINUM                                                      | 2.0                                 | <0.2                            | <0.2                              | <0.2                                | <0.2                             | <0.2                               |
| ANTIMONY                                                      | 0.003                               | <0.02                           | <0.02                             | <0.02                               | <0.02                            | <0.02                              |
| ARSENIC                                                       | 0.025                               | <0.015                          | <0.015                            | <0.015                              | <0.015                           | <0.015                             |
| BARIUM                                                        | 1.0                                 | 0.048                           | 0.047                             | 0.048                               | 0.025                            | 0.023                              |
| BERYLLIUM                                                     | 0.003                               | <0.002                          | <0.002                            | <0.002                              | <0.002                           | <0.002                             |
| CADMIUM                                                       | 0.005                               | <0.002                          | <0.002                            | <0.002                              | <0.002                           | <0.002                             |
| CALCIUM                                                       | NS                                  | 109                             | 115                               | 111                                 | 84.7                             | 81.8                               |
| CHROMIUM, TOTAL                                               | 0.05                                | <0.004                          | <0.004                            | <0.004                              | 0.0013 J                         | <0.004                             |
| COBALT                                                        | 0.11                                | <0.004                          | 0.00072 J                         | 0.00074 J                           | <0.004                           | <0.004                             |
| COPPER                                                        | 0.2                                 | 0.0025 BJ                       | <0.01                             | 0.0023 J                            | 0.0016 J                         | <0.01                              |
| IRON                                                          | 0.3                                 | 0.15                            | 0.1                               | 0.085                               | 0.024 J                          | 0.02 J                             |
| LEAD                                                          | 0.025                               | <0.01                           | <0.01                             | <0.01                               | <0.01                            | <0.01                              |
| MAGNESIUM                                                     | 35.0                                | 22.9                            | 28.5                              | 27.3                                | 11.8                             | 11.4                               |
| MANGANESE                                                     | 0.3                                 | 0.076                           | 0.29 B                            | 0.29 B                              | 0.083                            | 0.078                              |
| NICKEL                                                        | 0.1                                 | 0.0028 J                        | 0.0039 J                          | 0.0038 J                            | 0.003 J                          | 0.0027 J                           |
| POTASSIUM                                                     | NS                                  | 6.4                             | 1.8                               | 1.8                                 | 4.2 B                            | 3.9 B                              |
| SELENIUM                                                      | 0.01                                | <0.025                          | <0.025                            | <0.025                              | <0.025                           | <0.025                             |
| SILVER                                                        | 0.05                                | <0.006                          | <0.006                            | <0.006                              | <0.006                           | <0.006                             |
| SODIUM                                                        | 20.0                                | 44.2                            | 40.4                              | 39.1                                | 66.8 B                           | 64.2 B                             |
| THALLIUM                                                      | 0.0005                              | <0.02                           | <0.02                             | <0.02                               | <0.02                            | <0.02                              |
| VANADIUM                                                      | NS                                  | <0.005                          | <0.005                            | <0.005                              | <0.005                           | <0.005                             |
| ZINC                                                          | 2.0                                 | <0.01                           | 0.0024 J                          | 0.0039 J                            | 0.0026 J                         | <0.01                              |
| MERCURY                                                       | 0.0007                              | <0.0002                         | <0.0002                           | <0.0002                             | <0.0002                          | <0.0002                            |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.  
OH - Feet below ground surface of Open Hole interval for the well.  
+ = Results of filtered samples.  
B = Analyte detected in the associated blank, as well as in the sample (organics); value is greater than or equal to the instrument detection limit, but less than the contract required detection limit (inorganics).  
J = Compound reported at an estimated concentration below the reporting limit.  
B = Analyte detected in the associated blank.  
mg/L = milligrams per liter or parts per million.  
< = Not detected - below laboratory's Reporting Limit (RL)  
D = Duplicate Sample, ND = Not Detected,  
NS = No Standard and shaded values exceed NYSDEC groundwater standards or guidance values.



**TABLE 7**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - METALS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-07-94<br>05/21/19<br>2.4-8.4 | MW-07-03<br>05/31/19<br>4.0-16.3 | MW-08-03<br>05/31/19<br>3.0-15.5 | MW-08-03 D<br>05/31/19<br>3.0-15.5 | MW-10-03<br>06/03/19<br>2.5-14.0 |
|---------------------------------------------------------------|-------------------------------------|---------------------------------|----------------------------------|----------------------------------|------------------------------------|----------------------------------|
| <b>Metals (mg/L)</b>                                          |                                     |                                 |                                  |                                  |                                    |                                  |
| ALUMINUM                                                      | 2.0                                 | <0.2                            | 0.06 J                           | <0.2                             | <0.2                               | 0.22                             |
| ANTIMONY                                                      | 0.003                               | <0.02                           | <0.02                            | <0.02                            | <0.02                              | <0.02                            |
| ARSENIC                                                       | 0.025                               | <0.015                          | <0.015                           | <0.015                           | <0.015                             | <0.015                           |
| BARIUM                                                        | 1.0                                 | 0.037                           | 0.078                            | 0.14                             | 0.14                               | 0.084                            |
| BERYLLIUM                                                     | 0.003                               | <0.002                          | <0.002                           | 0.0003 J                         | <0.002                             | <0.002                           |
| CADMIUM                                                       | 0.005                               | <0.002                          | <0.002                           | <0.002                           | <0.002                             | <0.002                           |
| CALCIUM                                                       | NS                                  | 70.9                            | 113                              | 157                              | 161                                | 154                              |
| CHROMIUM, TOTAL                                               | 0.05                                | 0.004                           | 0.0011 J                         | <0.004                           | <0.004                             | 0.0023 J                         |
| COBALT                                                        | 0.11                                | <0.004                          | <0.004                           | <0.004                           | <0.004                             | <0.004                           |
| COPPER                                                        | 0.2                                 | 0.0047 J                        | <0.01                            | <0.01                            | <0.01                              | 0.0019 BJ                        |
| IRON                                                          | 0.3                                 | <0.05                           | 0.4 B                            | 2.6 B                            | 2.6 B                              | 0.1                              |
| LEAD                                                          | 0.025                               | <0.01                           | <0.01                            | 0.0033 J                         | <0.01                              | <0.01                            |
| MAGNESIUM                                                     | 35.0                                | 6.6                             | 19.9                             | 9.8                              | 9.9                                | 27.8                             |
| MANGANESE                                                     | 0.3                                 | 0.0018 BJ                       | 0.6 B                            | 0.48 B                           | 0.49 B                             | 1.4                              |
| NICKEL                                                        | 0.1                                 | 0.027                           | 0.0034 J                         | <0.01                            | <0.01                              | 0.0043 J                         |
| POTASSIUM                                                     | NS                                  | 3.5                             | 6.1                              | 10.1                             | 10.1                               | 10.3                             |
| SELENIUM                                                      | 0.01                                | <0.025                          | <0.025                           | <0.025                           | <0.025                             | <0.025                           |
| SILVER                                                        | 0.05                                | <0.006                          | <0.006                           | <0.006                           | <0.006                             | <0.006                           |
| SODIUM                                                        | 20.0                                | 23.2                            | 84.8                             | 7.8                              | 7.9                                | 44.8                             |
| THALLIUM                                                      | 0.0005                              | <0.02                           | <0.02                            | <0.02                            | <0.02                              | <0.02                            |
| VANADIUM                                                      | NS                                  | <0.005                          | 0.0041 J                         | <0.005                           | <0.005                             | <0.005                           |
| ZINC                                                          | 2.0                                 | 0.0069 J                        | <0.01                            | <0.01                            | <0.01                              | <0.01                            |
| MERCURY                                                       | 0.0007                              | <0.0002                         | <0.0002                          | <0.0002                          | <0.0002                            | <0.0002                          |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.  
OH - Feet below ground surface of Open Hole interval for the well.  
+ = Results of filtered samples.  
B = Analyte detected in the associated blank, as well as in the sample (organics); value is greater than or equal to the instrument detection limit, but less than the contract required detection limit (inorganics).  
J = Compound reported at an estimated concentration below the reporting limit.  
B = Analyte detected in the associated blank.  
mg/L = milligrams per liter or parts per million.  
< = Not detected - below laboratory's Reporting Limit (RL)  
D = Duplicate Sample, ND = Not Detected,  
NS = No Standard and shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 7**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - METALS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard • | MW-11-03<br>05/22/19<br>3.0-15.0 | MW-13-03<br>06/21/19<br>3.0-16.0 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|
| <b>Metals (mg/L)</b>                                          |                                     |                                  |                                  |
| ALUMINUM                                                      | 2.0                                 | <0.2                             | <0.2                             |
| ANTIMONY                                                      | 0.003                               | <0.02                            | <0.02                            |
| ARSENIC                                                       | 0.025                               | <0.015                           | <0.015                           |
| BARIUM                                                        | 1.0                                 | 0.093                            | 0.016                            |
| BERYLLIUM                                                     | 0.003                               | <0.002                           | <0.002                           |
| CADMIUM                                                       | 0.005                               | <0.002                           | <0.002                           |
| CALCIUM                                                       | NS                                  | 127                              | 53.9                             |
| CHROMIUM, TOTAL                                               | 0.05                                | <0.004                           | 0.0016 J                         |
| COBALT                                                        | 0.11                                | <0.004                           | <0.004                           |
| COPPER                                                        | 0.2                                 | <0.01                            | 0.0094 J                         |
| IRON                                                          | 0.3                                 | 0.0 J                            | <0.05                            |
| LEAD                                                          | 0.025                               | <0.01                            | <0.01                            |
| MAGNESIUM                                                     | 35.0                                | 22.2                             | 6                                |
| MANGANESE                                                     | 0.3                                 | 0.42 B                           | 0.00069 J                        |
| NICKEL                                                        | 0.1                                 | 0.0018 J                         | <0.01                            |
| POTASSIUM                                                     | NS                                  | 8.8                              | 1.9                              |
| SELENIUM                                                      | 0.01                                | <0.025                           | <0.025                           |
| SILVER                                                        | 0.05                                | <0.006                           | <0.006                           |
| SODIUM                                                        | 20.0                                | 41.7                             | 14.2                             |
| THALLIUM                                                      | 0.0005                              | <0.02                            | <0.02                            |
| VANADIUM                                                      | NS                                  | <0.005                           | <0.005                           |
| ZINC                                                          | 2.0                                 | <0.01                            | 0.0062 B <sup>J</sup>            |
| MERCURY                                                       | 0.0007                              | <0.0002                          | <0.0002                          |

Notes:

- = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.
- OH - Feet below ground surface of Open Hole interval for the well.
- + = Results of filtered samples.
- B = Analyte detected in the associated blank, as well as in the sample (organics); value is greater than or equal to the instrument detection limit, but less than the contract required detection limit (inorganics).
- J = Compound reported at an estimated concentration below the reporting limit.
- B = Analyte detected in the associated blank.
- mg/L = milligrams per liter or parts per million.
- < = Not detected - below laboratory's Reporting Limit (RL)
- D = Duplicate Sample, ND = Not Detected,
- NS = No Standard and shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 8**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - PESTICIDES**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard • | DEEP SUMP<br>06/06/19<br>6.8-81.8 (OH) | DEEP SUMP D<br>06/06/19<br>6.8-81.8 (OH) | LMW-01<br>05/21/19<br>9.0-20.6 | LMW-02<br>05/29/19<br>9.0-20.3 | LMW-03<br>05/29/19<br>9.0-20.85 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------------|------------------------------------------|--------------------------------|--------------------------------|---------------------------------|
| Pesticides (ug/L)                                             |                                     |                                        |                                          |                                |                                |                                 |
| ALDRIN                                                        | ND                                  | <0.053                                 | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| ALPHA BHC                                                     | 0.01                                | <0.053                                 | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| ALPHA CHLORDANE                                               | 0.05                                | <0.053                                 | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| ALPHA ENDOSULFAN                                              | NS                                  | <0.053                                 | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| BETA BHC                                                      | 0.04                                | <0.053                                 | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| BETA ENDOSULFAN                                               | NS                                  | <0.053                                 | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| DELTA BHC                                                     | 0.04                                | 0.016                                  | 0.018                                    | <0.05                          | <0.05                          | <0.05                           |
| DIELDRIN                                                      | 0.004                               | <0.053                                 | 0.018                                    | <0.05                          | <0.05                          | <0.05                           |
| ENDOSULFAN SULFATE                                            | NS                                  | <0.053                                 | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| ENDRIN                                                        | ND                                  | <0.053                                 | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| ENDRIN ALDEHYDE                                               | 5.00                                | <0.053                                 | 0.03                                     | <0.05                          | <0.05                          | <0.05                           |
| ENDRIN KETONE                                                 | 5.00                                | 0.024                                  | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| GAMMA BHC (LINDANE)                                           | 0.05                                | 0.016                                  | 0.017                                    | <0.05                          | <0.05                          | <0.05                           |
| HEPTACHLOR                                                    | 0.04                                | <0.053                                 | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| HEPTACHLOR EPOXIDE                                            | 0.03                                | <0.053                                 | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| METHOXYCHLOR                                                  | 35.00                               | <0.053                                 | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| P,P'-DDD                                                      | 0.30                                | <0.053                                 | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| P,P'-DDE                                                      | 0.2                                 | <0.053                                 | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| P,P'-DDT                                                      | 0.2                                 | 0.031                                  | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| TOXAPHENE                                                     | 0.06                                | <0.53                                  | <0.5                                     | <0.5                           | <0.5                           | <0.5                            |
| trans-Chlordane                                               | 0.05                                | 0.014                                  | 0.013                                    | <0.05                          | <0.05                          | <0.05                           |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

• = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or

**TABLE 8**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - PESTICIDES**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-01-94<br>05/29/19<br>2.3-13.0 | MW-01-02<br>05/20/19<br>4.5-16.8 | MW-01-10<br>05/23/19<br>9.2-20.20 | MW-02-94<br>05/21/19<br>9.5-16.3 | MW-02-02<br>05/21/19<br>5.5-12.0 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------|
| Pesticides (ug/L)                                             |                                     |                                  |                                  |                                   |                                  |                                  |
| ALDRIN                                                        | ND                                  | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| ALPHA BHC                                                     | 0.01                                | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| ALPHA CHLORDANE                                               | 0.05                                | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| ALPHA ENDOSULFAN                                              | NS                                  | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| BETA BHC                                                      | 0.04                                | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| BETA ENDOSULFAN                                               | NS                                  | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| DELTA BHC                                                     | 0.04                                | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| DIELDRIN                                                      | 0.004                               | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| ENDOSULFAN SULFATE                                            | NS                                  | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| ENDRIN                                                        | ND                                  | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| ENDRIN ALDEHYDE                                               | 5.00                                | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| ENDRIN KETONE                                                 | 5.00                                | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| GAMMA BHC (LINDANE)                                           | 0.05                                | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| HEPTACHLOR                                                    | 0.04                                | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| HEPTACHLOR EPOXIDE                                            | 0.03                                | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| METHOXYCHLOR                                                  | 35.00                               | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| P,P'-DDD                                                      | 0.30                                | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| P,P'-DDE                                                      | 0.2                                 | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |
| P,P'-DDT                                                      | 0.2                                 | <0.052                           | <0.25                            | <1                                | 0.02 J                           | 0.039 J                          |
| TOXAPHENE                                                     | 0.06                                | <0.52                            | <2.5                             | <10                               | <0.5                             | <1                               |
| trans-Chlordane                                               | 0.05                                | <0.052                           | <0.25                            | <1                                | <0.05                            | <0.1                             |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or

**TABLE 8**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - PESTICIDES**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-02-10<br>06/06/19<br>7.1-18.1 | MW-03-02<br>06/07/19<br>6.5-13.1 | MW-03-02 D<br>06/07/19<br>6.5-13.1 | MW-03-10<br>06/07/19<br>6.6-17.6 | MW-04-02<br>06/06/19<br>4.0-10.4 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|------------------------------------|----------------------------------|----------------------------------|
| Pesticides (ug/L)                                             |                                     |                                  |                                  |                                    |                                  |                                  |
| ALDRIN                                                        | ND                                  | <0.054                           | <0.05                            | <0.068                             | <0.05                            | <0.25                            |
| ALPHA BHC                                                     | 0.01                                | <0.054                           | 0.022 J                          | <0.068                             | <0.05                            | 0.043 J                          |
| ALPHA CHLORDANE                                               | 0.05                                | <0.054                           | <0.05                            | <0.068                             | <0.05                            | <0.25                            |
| ALPHA ENDOSULFAN                                              | NS                                  | <0.054                           | <0.05                            | <0.068                             | <0.05                            | <0.25                            |
| BETA BHC                                                      | 0.04                                | <0.054                           | <0.05                            | <0.068                             | <0.05                            | <0.25                            |
| BETA ENDOSULFAN                                               | NS                                  | <0.054                           | <0.05                            | <0.068                             | <0.05                            | <0.25                            |
| DELTA BHC                                                     | 0.04                                | 0.012 BJ                         | <0.05                            | 0.036 BJ                           | <0.05                            | 0.056 BJ                         |
| DIELDRIN                                                      | 0.004                               | 0.012 J                          | <0.05                            | 0.013 J                            | <0.05                            | <0.25                            |
| ENDOSULFAN SULFATE                                            | NS                                  | <0.054                           | <0.05                            | <0.068                             | <0.05                            | <0.25                            |
| ENDRIN                                                        | ND                                  | <0.054                           | <0.05                            | <0.068                             | <0.05                            | <0.25                            |
| ENDRIN ALDEHYDE                                               | 5.00                                | <0.054                           | <0.05                            | <0.068                             | <0.05                            | <0.25                            |
| ENDRIN KETONE                                                 | 5.00                                | <0.054                           | <0.05                            | 0.028 J                            | <0.05                            | <0.25                            |
| GAMMA BHC (LINDANE)                                           | 0.05                                | <0.054                           | 0.03 J                           | <0.068                             | <0.05                            | <0.25                            |
| HEPTACHLOR                                                    | 0.04                                | <0.054                           | 0.0091 J                         | 0.011 J                            | <0.05                            | <0.25                            |
| HEPTACHLOR EPOXIDE                                            | 0.03                                | <0.054                           | <0.05                            | <0.068                             | <0.05                            | <0.25                            |
| METHOXYCHLOR                                                  | 35.00                               | <0.054                           | <0.05                            | <0.068                             | <0.05                            | <0.25                            |
| P,P'-DDD                                                      | 0.30                                | <0.054                           | <0.05                            | <0.068                             | <0.05                            | <0.25                            |
| P,P'-DDE                                                      | 0.2                                 | <0.054                           | <0.05                            | <0.068                             | <0.05                            | <0.25                            |
| P,P'-DDT                                                      | 0.2                                 | <0.054                           | <0.05                            | 0.023 J                            | <0.05                            | <0.25                            |
| TOXAPHENE                                                     | 0.06                                | <0.54                            | <0.5                             | <0.68                              | <0.5                             | <2.5                             |
| trans-Chlordane                                               | 0.05                                | <0.054                           | 0.015 J                          | 0.022 J                            | <0.05                            | <0.25                            |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or

**TABLE 8**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - PESTICIDES**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-05-94<br>06/03/19<br>2.8-8.9 | MW-06-94<br>05/20/19<br>10.0-18.7 | MW-06-94 D<br>05/20/19<br>10.0-18.7 | MW-06-10<br>05/23/19<br>9.4-19.4 | MW-06-10 D<br>05/23/19<br>9.4-19.4 |
|---------------------------------------------------------------|-------------------------------------|---------------------------------|-----------------------------------|-------------------------------------|----------------------------------|------------------------------------|
| <b>Pesticides (ug/L)</b>                                      |                                     |                                 |                                   |                                     |                                  |                                    |
| ALDRIN                                                        | ND                                  | <0.057                          | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| ALPHA BHC                                                     | 0.01                                | 0.021 J                         | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| ALPHA CHLORDANE                                               | 0.05                                | <0.057                          | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| ALPHA ENDOSULFAN                                              | NS                                  | <0.057                          | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| BETA BHC                                                      | 0.04                                | <0.057                          | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| BETA ENDOSULFAN                                               | NS                                  | 0.015 J                         | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| DELTA BHC                                                     | 0.04                                | <0.057                          | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| DIELDRIN                                                      | 0.004                               | <0.057                          | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| ENDOSULFAN SULFATE                                            | NS                                  | <0.057                          | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| ENDRIN                                                        | ND                                  | <0.057                          | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| ENDRIN ALDEHYDE                                               | 5.00                                | 0.027 J                         | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| ENDRIN KETONE                                                 | 5.00                                | <0.057                          | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| GAMMA BHC (LINDANE)                                           | 0.05                                | <0.057                          | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| HEPTACHLOR                                                    | 0.04                                | <0.057                          | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| HEPTACHLOR EPOXIDE                                            | 0.03                                | <0.057                          | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| METHOXYCHLOR                                                  | 35.00                               | <0.057                          | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| P,P'-DDD                                                      | 0.30                                | <0.057                          | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| P,P'-DDE                                                      | 0.2                                 | <0.057                          | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| P,P'-DDT                                                      | 0.2                                 | <0.057                          | <0.05                             | <0.05                               | <0.05                            | <0.05                              |
| TOXAPHENE                                                     | 0.06                                | <0.57                           | <0.5                              | <0.5                                | <0.5                             | <0.5                               |
| trans-Chlordane                                               | 0.05                                | <0.057                          | <0.05                             | <0.05                               | <0.05                            | 0.014 J                            |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or

**TABLE 8**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - PESTICIDES**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-07-94<br>06/21/19<br>2.4-8.4 | MW-07-03<br>06/03/19<br>4.0-16.3 | MW-08-03<br>05/31/19<br>3.0-15.5 | MW-08-03 D<br>05/31/19<br>3.0-15.5 | MW-10-03<br>06/03/19<br>2.5-14.0 |
|---------------------------------------------------------------|-------------------------------------|---------------------------------|----------------------------------|----------------------------------|------------------------------------|----------------------------------|
| Pesticides (ug/L)                                             |                                     |                                 |                                  |                                  |                                    |                                  |
| ALDRIN                                                        | ND                                  | <0.05                           | <0.28                            | <0.1                             | <0.1                               | <0.05                            |
| ALPHA BHC                                                     | 0.01                                | <0.05                           | <0.28                            | <0.1                             | <0.1                               | 0.012 J                          |
| ALPHA CHLORDANE                                               | 0.05                                | <0.05                           | <0.28                            | <0.1                             | <0.1                               | <0.05                            |
| ALPHA ENDOSULFAN                                              | NS                                  | <0.05                           | <0.28                            | <0.1                             | <0.1                               | <0.05                            |
| BETA BHC                                                      | 0.04                                | <0.05                           | <0.28                            | <0.1                             | <0.1                               | <0.05                            |
| BETA ENDOSULFAN                                               | NS                                  | <0.05                           | <0.28                            | <0.1                             | <0.1                               | <0.05                            |
| DELTA BHC                                                     | 0.04                                | 0.016 BJ                        | <0.28                            | <0.1                             | <0.1                               | 0.01 J                           |
| DIELDRIN                                                      | 0.004                               | 0.012 J                         | <0.28                            | <0.1                             | <0.1                               | <0.05                            |
| ENDOSULFAN SULFATE                                            | NS                                  | <0.05                           | 0.2 J                            | <0.1                             | <0.1                               | <0.05                            |
| ENDRIN                                                        | ND                                  | <0.05                           | <0.28                            | <0.1                             | <0.1                               | <0.05                            |
| ENDRIN ALDEHYDE                                               | 5.00                                | <0.05                           | <0.28                            | <0.1                             | <0.1                               | <0.05                            |
| ENDRIN KETONE                                                 | 5.00                                | 0.016 J                         | <0.28                            | <0.1                             | <0.1                               | <0.05                            |
| GAMMA BHC (LINDANE)                                           | 0.05                                | <0.05                           | <0.28                            | 0.025 J                          | <0.1                               | <0.05                            |
| HEPTACHLOR                                                    | 0.04                                | <0.05                           | <0.28                            | <0.1                             | <0.1                               | <0.05                            |
| HEPTACHLOR EPOXIDE                                            | 0.03                                | <0.05                           | <0.28                            | <0.1                             | <0.1                               | <0.05                            |
| METHOXYCHLOR                                                  | 35.00                               | <0.05                           | <0.28                            | <0.1                             | <0.1                               | <0.05                            |
| P,P'-DDD                                                      | 0.30                                | <0.05                           | <0.28                            | <0.1                             | <0.1                               | <0.05                            |
| P,P'-DDE                                                      | 0.2                                 | <0.05                           | <0.28                            | <0.1                             | <0.1                               | <0.05                            |
| P,P'-DDT                                                      | 0.2                                 | 0.021 J                         | <0.28                            | <0.1                             | <0.1                               | <0.05                            |
| TOXAPHENE                                                     | 0.06                                | <0.5                            | <2.8                             | <1                               | <1                                 | <0.5                             |
| trans-Chlordane                                               | 0.05                                | 0.016 J                         | <0.28                            | <0.1                             | <0.1                               | 0.015 J                          |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or

**TABLE 8**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - PESTICIDES**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-11-03<br>05/22/19<br>3.0-15.0 | MW-13-03<br>06/21/19<br>3.0-16.0 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|
| <b>Pesticides (ug/L)</b>                                      |                                     |                                  |                                  |
| ALDRIN                                                        | ND                                  | <0.1                             | <0.05                            |
| ALPHA BHC                                                     | 0.01                                | <0.1                             | <0.05                            |
| ALPHA CHLORDANE                                               | 0.05                                | <0.1                             | <0.05                            |
| ALPHA ENDOSULFAN                                              | NS                                  | <0.1                             | <0.05                            |
| BETA BHC                                                      | 0.04                                | <0.1                             | <0.05                            |
| BETA ENDOSULFAN                                               | NS                                  | <0.1                             | <0.05                            |
| DELTA BHC                                                     | 0.04                                | <0.1                             | 0.022 B                          |
| DIELDRIN                                                      | 0.004                               | <0.1                             | <0.05                            |
| ENDOSULFAN SULFATE                                            | NS                                  | <0.1                             | <0.05                            |
| ENDRIN                                                        | ND                                  | <0.1                             | <0.05                            |
| ENDRIN ALDEHYDE                                               | 5.00                                | <0.1                             | <0.05                            |
| ENDRIN KETONE                                                 | 5.00                                | <0.1                             | 0.02 J                           |
| GAMMA BHC (LINDANE)                                           | 0.05                                | <0.1                             | <0.05                            |
| HEPTACHLOR                                                    | 0.04                                | <0.1                             | <0.05                            |
| HEPTACHLOR EPOXIDE                                            | 0.03                                | <0.1                             | <0.05                            |
| METHOXYCHLOR                                                  | 35.00                               | <0.1                             | <0.05                            |
| P,P'-DDD                                                      | 0.30                                | <0.1                             | <0.05                            |
| P,P'-DDE                                                      | 0.2                                 | <0.1                             | <0.05                            |
| P,P'-DDT                                                      | 0.2                                 | 0.033 J                          | <0.05                            |
| TOXAPHENE                                                     | 0.06                                | <1                               | <0.5                             |
| trans-Chlordane                                               | 0.05                                | <0.1                             | <0.05                            |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or



**TABLE 9**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - PCBs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | DEEP SUMP<br>06/06/19<br>6.8-81.8 (OH) | DEEP SUMP D<br>06/06/19<br>6.8-81.8 (OH) | LMW-01<br>05/21/19<br>9.0-20.6 | LMW-02<br>05/29/19<br>9.0-20.3 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------------|------------------------------------------|--------------------------------|--------------------------------|
| <b>PCBs (ug/L)</b>                                            |                                     |                                        |                                          |                                |                                |
| PCB-1016 (AROCLOR 1016)                                       | NA                                  | <0.5                                   | <0.5                                     | <0.5                           | <0.5                           |
| PCB-1221 (AROCLOR 1221)                                       | NA                                  | <0.5                                   | <0.5                                     | <0.5                           | <0.5                           |
| PCB-1232 (AROCLOR 1232)                                       | NA                                  | <0.5                                   | <0.5                                     | <0.5                           | <0.5                           |
| PCB-1242 (AROCLOR 1242)                                       | NA                                  | <0.5                                   | <0.5                                     | <0.5                           | <0.5                           |
| PCB-1248 (AROCLOR 1248)                                       | NA                                  | <0.5                                   | <0.5                                     | <0.5                           | <0.5                           |
| PCB-1254 (AROCLOR 1254)                                       | NA                                  | <0.5                                   | <0.5                                     | <0.5                           | <0.5                           |
| PCB-1260 (AROCLOR 1260)                                       | NA                                  | <0.5                                   | <0.5                                     | <0.5                           | <0.5                           |
| PCB-1262 (AROCLOR 1262)                                       | NA                                  | <0.5                                   | <0.5                                     | <0.5                           | <0.5                           |
| PCB-1268 (AROCLOR 1268)                                       | NA                                  | <0.5                                   | <0.5                                     | <0.5                           | <0.5                           |
| Total PBCs                                                    | 0.09                                | ND                                     | ND                                       | ND                             | ND                             |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 9**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - PCBs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | LMW-03<br>05/29/19<br>9.0-20.9 | MW-01-94<br>05/29/19<br>2.3-13.0 | MW-01-02<br>05/20/19<br>4.5-16.8 | MW-01-10<br>05/23/19<br>9.2-20.20 |
|---------------------------------------------------------------|-------------------------------------|--------------------------------|----------------------------------|----------------------------------|-----------------------------------|
| <b>PCBs (ug/L)</b>                                            |                                     |                                |                                  |                                  |                                   |
| PCB-1016 (AROCLOR 1016)                                       | NA                                  | <0.5                           | <0.54                            | <0.5                             | <0.5                              |
| PCB-1221 (AROCLOR 1221)                                       | NA                                  | <0.5                           | <0.54                            | <0.5                             | <0.5                              |
| PCB-1232 (AROCLOR 1232)                                       | NA                                  | <0.5                           | <0.54                            | <0.5                             | <0.5                              |
| PCB-1242 (AROCLOR 1242)                                       | NA                                  | <0.5                           | <0.54                            | <0.5                             | <0.5                              |
| PCB-1248 (AROCLOR 1248)                                       | NA                                  | <0.5                           | <0.54                            | <0.5                             | <0.5                              |
| PCB-1254 (AROCLOR 1254)                                       | NA                                  | <0.5                           | <0.54                            | <0.5                             | <0.5                              |
| PCB-1260 (AROCLOR 1260)                                       | NA                                  | <0.5                           | <0.54                            | 0.28 J                           | <0.5                              |
| PCB-1262 (AROCLOR 1262)                                       | NA                                  | <0.5                           | <0.54                            | <0.5                             | <0.5                              |
| PCB-1268 (AROCLOR 1268)                                       | NA                                  | <0.5                           | <0.54                            | <0.5                             | <0.5                              |
| Total PBCs                                                    | 0.09                                | ND                             | ND                               | 0.28                             | ND                                |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 9**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - PCBs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-02-94<br>05/21/19<br>9.5-16.3 | MW-02-02<br>05/21/19<br>5.5-12.0 | MW-02-10<br>06/06/19<br>7.1-18.1 | MW-03-02<br>06/07/19<br>6.5-13.1 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| PCBs (ug/L)                                                   |                                     |                                  |                                  |                                  |                                  |
| PCB-1016 (AROCLOR 1016)                                       | NA                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| PCB-1221 (AROCLOR 1221)                                       | NA                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| PCB-1232 (AROCLOR 1232)                                       | NA                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| PCB-1242 (AROCLOR 1242)                                       | NA                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| PCB-1248 (AROCLOR 1248)                                       | NA                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| PCB-1254 (AROCLOR 1254)                                       | NA                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| PCB-1260 (AROCLOR 1260)                                       | NA                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| PCB-1262 (AROCLOR 1262)                                       | NA                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| PCB-1268 (AROCLOR 1268)                                       | NA                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| Total PBCs                                                    | 0.09                                | ND                               | ND                               | ND                               | ND                               |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 9**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - PCBs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-03-02 D<br>06/07/19<br>6.5-13.1 | MW-03-10<br>05/23/19<br>6.6-17.6 | MW-04-02<br>06/06/19<br>4.0-10.4 | MW-05-94<br>06/03/19<br>2.8-8.9 |
|---------------------------------------------------------------|-------------------------------------|------------------------------------|----------------------------------|----------------------------------|---------------------------------|
| <b>PCBs (ug/L)</b>                                            |                                     |                                    |                                  |                                  |                                 |
| PCB-1016 (AROCLOR 1016)                                       | NA                                  | <0.5                               | <0.5                             | <0.5                             | <0.5                            |
| PCB-1221 (AROCLOR 1221)                                       | NA                                  | <0.5                               | <0.5                             | <0.5                             | <0.5                            |
| PCB-1232 (AROCLOR 1232)                                       | NA                                  | <0.5                               | <0.5                             | <0.5                             | <0.5                            |
| PCB-1242 (AROCLOR 1242)                                       | NA                                  | <0.5                               | <0.5                             | <0.5                             | <0.5                            |
| PCB-1248 (AROCLOR 1248)                                       | NA                                  | <0.5                               | <0.5                             | <0.5                             | <0.5                            |
| PCB-1254 (AROCLOR 1254)                                       | NA                                  | <0.5                               | <0.5                             | <0.5                             | <0.5                            |
| PCB-1260 (AROCLOR 1260)                                       | NA                                  | <0.5                               | <0.5                             | <0.5                             | <0.5                            |
| PCB-1262 (AROCLOR 1262)                                       | NA                                  | <0.5                               | <0.5                             | <0.5                             | <0.5                            |
| PCB-1268 (AROCLOR 1268)                                       | NA                                  | <0.5                               | <0.5                             | <0.5                             | <0.5                            |
| Total PBCs                                                    | 0.09                                | ND                                 | ND                               | ND                               | ND                              |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 9**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - PCBs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-06-94<br>05/20/19<br>10.0-18.7 | MW-06-94 D<br>05/20/19<br>10.0-18.7 | MW-06-10<br>05/23/19<br>9.4-19.4 | MW-06-10 D<br>05/23/19<br>9.4-19.4 |
|---------------------------------------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|----------------------------------|------------------------------------|
| <b>PCBs (ug/L)</b>                                            |                                     |                                   |                                     |                                  |                                    |
| PCB-1016 (AROCLOR 1016)                                       | NA                                  | <0.5                              | <0.5                                | <0.5                             | <0.5                               |
| PCB-1221 (AROCLOR 1221)                                       | NA                                  | <0.5                              | <0.5                                | <0.5                             | <0.5                               |
| PCB-1232 (AROCLOR 1232)                                       | NA                                  | <0.5                              | <0.5                                | <0.5                             | <0.5                               |
| PCB-1242 (AROCLOR 1242)                                       | NA                                  | <0.5                              | <0.5                                | <0.5                             | <0.5                               |
| PCB-1248 (AROCLOR 1248)                                       | NA                                  | <0.5                              | <0.5                                | <0.5                             | <0.5                               |
| PCB-1254 (AROCLOR 1254)                                       | NA                                  | <0.5                              | <0.5                                | <0.5                             | <0.5                               |
| PCB-1260 (AROCLOR 1260)                                       | NA                                  | <0.5                              | <0.5                                | <0.5                             | <0.5                               |
| PCB-1262 (AROCLOR 1262)                                       | NA                                  | <0.5                              | <0.5                                | <0.5                             | <0.5                               |
| PCB-1268 (AROCLOR 1268)                                       | NA                                  | <0.5                              | <0.5                                | <0.5                             | <0.5                               |
| Total PBCs                                                    | 0.09                                | ND                                | ND                                  | ND                               | ND                                 |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 9**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - PCBs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-07-94<br>06/21/19<br>2.4-8.4 | MW-07-03<br>06/03/19<br>4.0-16.3 | MW-08-03<br>05/31/19<br>3.0-15.5 | MW-08-03 D<br>05/31/19<br>3.0-15.5 |
|---------------------------------------------------------------|-------------------------------------|---------------------------------|----------------------------------|----------------------------------|------------------------------------|
| <b>PCBs (ug/L)</b>                                            |                                     |                                 |                                  |                                  |                                    |
| PCB-1016 (AROCLOR 1016)                                       | NA                                  | <0.5                            | <0.52                            | <0.54                            | <0.5                               |
| PCB-1221 (AROCLOR 1221)                                       | NA                                  | <0.5                            | <0.52                            | <0.54                            | <0.5                               |
| PCB-1232 (AROCLOR 1232)                                       | NA                                  | <0.5                            | <0.52                            | <0.54                            | <0.5                               |
| PCB-1242 (AROCLOR 1242)                                       | NA                                  | <0.5                            | <0.52                            | <0.54                            | <0.5                               |
| PCB-1248 (AROCLOR 1248)                                       | NA                                  | <0.5                            | <0.52                            | <0.54                            | <0.5                               |
| PCB-1254 (AROCLOR 1254)                                       | NA                                  | <0.5                            | <0.52                            | 0.63                             | <0.5                               |
| PCB-1260 (AROCLOR 1260)                                       | NA                                  | <0.5                            | <0.52                            | <0.54                            | <0.5                               |
| PCB-1262 (AROCLOR 1262)                                       | NA                                  | <0.5                            | <0.52                            | <0.54                            | <0.5                               |
| PCB-1268 (AROCLOR 1268)                                       | NA                                  | <0.5                            | <0.52                            | <0.54                            | <0.5                               |
| Total PBCs                                                    | 0.09                                | ND                              | ND                               | 0.63                             | ND                                 |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 9**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - PCBs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-10-03<br>06/03/19<br>2.5-14.0 | MW-11-03<br>05/22/19<br>3.0-15.0 | MW-13-03<br>06/21/19<br>3.0-16.0 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>PCBs (ug/L)</b>                                            |                                     |                                  |                                  |                                  |
| PCB-1016 (AROCLOR 1016)                                       | NA                                  | <0.52                            | <0.5                             | <0.5                             |
| PCB-1221 (AROCLOR 1221)                                       | NA                                  | <0.52                            | <0.5                             | <0.5                             |
| PCB-1232 (AROCLOR 1232)                                       | NA                                  | <0.52                            | <0.5                             | <0.5                             |
| PCB-1242 (AROCLOR 1242)                                       | NA                                  | <0.52                            | <0.5                             | <0.5                             |
| PCB-1248 (AROCLOR 1248)                                       | NA                                  | <0.52                            | <0.5                             | <0.5                             |
| PCB-1254 (AROCLOR 1254)                                       | NA                                  | <0.52                            | <0.5                             | <0.5                             |
| PCB-1260 (AROCLOR 1260)                                       | NA                                  | <0.52                            | <0.5                             | <0.5                             |
| PCB-1262 (AROCLOR 1262)                                       | NA                                  | <0.52                            | <0.5                             | <0.5                             |
| PCB-1268 (AROCLOR 1268)                                       | NA                                  | <0.52                            | <0.5                             | <0.5                             |
| Total PBCs                                                    | 0.09                                | ND                               | ND                               | ND                               |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 10**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - HYDROCARBONS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Sand Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | DEEP SUMP<br>06/06/19<br>6.8-81.8 (OH) | DEEP SUMP D<br>06/06/19<br>6.8-81.8 (OH) | LMW-01<br>05/21/19<br>9.0-20.6 | LMW-02<br>05/29/19<br>9.0-20.3 |
|-------------------------------------------------------------|-------------------------------------|----------------------------------------|------------------------------------------|--------------------------------|--------------------------------|
| <b>Hydrocarbons (mg/L)</b>                                  |                                     |                                        |                                          |                                |                                |
| GASOLINE COMPONENTS                                         | NS                                  | <0.21                                  | <0.21                                    | <0.2                           | <0.2                           |
| KEROSENE                                                    | NS                                  | <0.52                                  | <0.52                                    | <0.49                          | <0.5                           |
| MOTOR OILS                                                  | NS                                  | 3                                      | 4.2                                      | <0.98                          | 0.49                           |
| PHC AS #2 Fuel Oils C10-C23 #2 DIESEL, #2 Fuel Oil          | NS                                  | <0.52                                  | <0.52                                    | <0.49                          | <0.5                           |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #4                | NS                                  | <0.52                                  | <0.52                                    | <0.49                          | <0.5                           |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #6                | NS                                  | <0.52                                  | <0.52                                    | <0.49                          | <0.5                           |
| Unknown with Hihest Concentration                           | NS                                  | <0.21                                  | <0.21                                    | <0.2                           | <0.2                           |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NS = No Standard



**TABLE 10**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - HYDROCARBONS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Sand Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | LMW-03<br>05/29/19<br>9.0-20.85 | MW-01-94<br>05/29/19<br>2.3-13.0 | MW-01-02<br>05/20/19<br>4.5-16.8 | MW-01-10<br>06/07/19<br>9.2-20.20 |
|-------------------------------------------------------------|-------------------------------------|---------------------------------|----------------------------------|----------------------------------|-----------------------------------|
| <b>Hydrocarbons (mg/L)</b>                                  |                                     |                                 |                                  |                                  |                                   |
| GASOLINE COMPONENTS                                         | NS                                  | <0.2                            | <0.39                            | <3.8                             | <0.22                             |
| KEROSENE                                                    | NS                                  | <0.5                            | <0.98                            | <9.5                             | <0.54                             |
| MOTOR OILS                                                  | NS                                  | 0.93                            | <2                               | 80                               | 4.2                               |
| PHC AS #2 Fuel Oils C10-C23 #2 DIESEL, #2 Fuel Oil          | NS                                  | <0.5                            | <0.98                            | <9.5                             | <0.54                             |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #4                | NS                                  | <0.5                            | <0.98                            | <9.5                             | <0.54                             |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #6                | NS                                  | <0.5                            | <0.98                            | <9.5                             | <0.54                             |
| Unknown with Hihest Concentration                           | NS                                  | <0.2                            | <0.39                            | <3.8                             | <0.22                             |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NS = No Standard

**TABLE 10**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - HYDROCARBONS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Sand Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-02-94<br>05/21/19<br>9.5-16.3 | MW-02-02<br>05/21/19<br>5.5-12.0 | MW-02-10<br>06/06/19<br>7.1-18.1 | MW-03-02<br>06/07/19<br>6.5-13.1 |
|-------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>Hydrocarbons (mg/L)</b>                                  |                                     |                                  |                                  |                                  |                                  |
| GASOLINE COMPONENTS                                         | NS                                  | <0.19                            | <4                               | <0.22                            | <0.2                             |
| KEROSENE                                                    | NS                                  | <0.48                            | <10                              | <0.56                            | <0.51                            |
| MOTOR OILS                                                  | NS                                  | 2                                | 120                              | <1.1                             | 11                               |
| PHC AS #2 Fuel Oils C10-C23 #2 DIESEL, #2 Fuel Oil          | NS                                  | 1.8                              | <10                              | <0.56                            | <0.51                            |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #4                | NS                                  | <0.48                            | <10                              | <0.56                            | <0.51                            |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #6                | NS                                  | <0.48                            | <10                              | <0.56                            | <0.51                            |
| Unknown with Hihest Concentration                           | NS                                  | <0.19                            | <4                               | <0.22                            | <0.2                             |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NS = No Standard

**TABLE 10**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - HYDROCARBONS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Sand Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-03-02 D<br>06/07/19<br>6.5-13.1 | MW-03-10<br>06/07/19<br>6.6-17.6 | MW-04-02<br>06/06/19<br>4.0-10.4 | MW-05-94<br>06/03/19<br>2.8-8.9 |
|-------------------------------------------------------------|-------------------------------------|------------------------------------|----------------------------------|----------------------------------|---------------------------------|
| <b>Hydrocarbons (mg/L)</b>                                  |                                     |                                    |                                  |                                  |                                 |
| GASOLINE COMPONENTS                                         | NS                                  | <0.22                              | <0.26                            | <0.19                            | <0.19                           |
| KEROSENE                                                    | NS                                  | <0.54                              | <0.66                            | <0.48                            | <0.49                           |
| MOTOR OILS                                                  | NS                                  | 7.1                                | 0.52                             | 32                               | 22                              |
| PHC AS #2 Fuel Oils C10-C23 #2 DIESEL, #2 Fuel Oil          | NS                                  | <0.54                              | <0.66                            | <0.48                            | <0.49                           |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #4                | NS                                  | <0.54                              | <0.66                            | <0.48                            | <0.49                           |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #6                | NS                                  | <0.54                              | <0.66                            | <0.48                            | <0.49                           |
| Unknown with Hihest Concentration                           | NS                                  | <0.22                              | <0.26                            | <0.19                            | <0.19                           |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NS = No Standard

**TABLE 10**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - HYDROCARBONS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Sand Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-06-94<br>05/20/19<br>10.0-18.7 | MW-06-94 D<br>05/20/19<br>10.0-18.7 | MW-06-10<br>05/23/10<br>9.4-19.4 | MW-06-10 D<br>05/23/10<br>9.4-19.4 |
|-------------------------------------------------------------|-------------------------------------|-----------------------------------|-------------------------------------|----------------------------------|------------------------------------|
| <b>Hydrocarbons (mg/L)</b>                                  |                                     |                                   |                                     |                                  |                                    |
| GASOLINE COMPONENTS                                         | NS                                  | <3.8                              | <1.9                                | <0.2                             | <0.2                               |
| KEROSENE                                                    | NS                                  | <9.5                              | <4.8                                | <0.5                             | <0.5                               |
| MOTOR OILS                                                  | NS                                  | 140                               | 35                                  | 0.37                             | 0.36                               |
| PHC AS #2 Fuel Oils C10-C23 #2 DIESEL, #2 Fuel Oil          | NS                                  | <9.5                              | <4.8                                | <0.5                             | <0.5                               |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #4                | NS                                  | <9.5                              | <4.8                                | <0.5                             | <0.5                               |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #6                | NS                                  | <9.5                              | <4.8                                | <0.5                             | <0.5                               |
| Unknown with Hihest Concentration                           | NS                                  | <3.8                              | <1.9                                | <0.2                             | <0.2                               |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NS = No Standard

**TABLE 10**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - HYDROCARBONS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Sand Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-07-94<br>06/21/19<br>2.4-8.4 | MW-07-03<br>06/03/19<br>4.0-16.3 | MW-08-03<br>05/31/19<br>3.0-15.5 | MW-08-03 D<br>05/31/19<br>3.0-15.5 |
|-------------------------------------------------------------|-------------------------------------|---------------------------------|----------------------------------|----------------------------------|------------------------------------|
| <b>Hydrocarbons (mg/L)</b>                                  |                                     |                                 |                                  |                                  |                                    |
| GASOLINE COMPONENTS                                         | NS                                  | <0.2                            | <0.2                             | <0.2                             | <0.2                               |
| KEROSENE                                                    | NS                                  | <0.5                            | <0.49                            | <0.5                             | <0.5                               |
| MOTOR OILS                                                  | NS                                  | 1.2                             | 2.1                              | 21                               | 33                                 |
| PHC AS #2 Fuel Oils C10-C23 #2 DIESEL, #2 Fuel Oil          | NS                                  | <0.5                            | <0.49                            | <0.5                             | <0.5                               |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #4                | NS                                  | <0.5                            | <0.49                            | <0.5                             | <0.5                               |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #6                | NS                                  | <0.5                            | <0.49                            | <0.5                             | <0.5                               |
| Unknown with Hihest Concentration                           | NS                                  | <0.2                            | 1.8                              | <0.2                             | <0.2                               |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NS = No Standard

**TABLE 10**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - HYDROCARBONS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Sand Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-10-03<br>06/06/19<br>2.5-14.0 | MW-11-03<br>05/22/19<br>3.0-15.0 | MW-13-03<br>06/21/19<br>3.0-16.0 |
|-------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>Hydrocarbons (mg/L)</b>                                  |                                     |                                  |                                  |                                  |
| GASOLINE COMPONENTS                                         | NS                                  | <0.24                            | <0.2                             | <0.2                             |
| KEROSENE                                                    | NS                                  | <0.6                             | <0.5                             | <0.5                             |
| MOTOR OILS                                                  | NS                                  | 0.81                             | 1                                | 0.52                             |
| PHC AS #2 Fuel Oils C10-C23 #2 DIESEL, #2 Fuel Oil          | NS                                  | <0.6                             | <0.5                             | <0.5                             |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #4                | NS                                  | <0.6                             | <0.5                             | <0.5                             |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #6                | NS                                  | <0.6                             | <0.5                             | <0.5                             |
| Unknown with Highest Concentration                          | NS                                  | 0.68                             | 0.84                             | <0.2                             |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NS = No Standard

**TABLE 11**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - 1-4,DIOXANE**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number                     | Emerging Contaminant Screening Levels <sup>1</sup> | DEEP SUMP     | DEEP SUMP (D) | LMW-01   | LMW-02   |
|---------------------------------|----------------------------------------------------|---------------|---------------|----------|----------|
| Sample Date                     |                                                    | 06/06/19      | 06/06/19      | 05/21/19 | 05/29/19 |
| Well Screen Interval (feet bgs) |                                                    | 6.8-81.8 (OH) | 6.8-81.8 (OH) | 9.0-20.6 | 9.0-20.3 |
| <b>VOCs (µg/L)</b>              |                                                    |               |               |          |          |
| 1,4-DIOXANE (P-DIOXANE)         | 1.0                                                | 370           | E             | 320      | E        |
|                                 |                                                    |               |               | <0.2     | 71       |
|                                 |                                                    |               |               |          | E        |

Notes:

1) The listing for 1,4-dioxane is a reference concentration drawn from the Emerging Contaminant Sampling Initiative: January 2019, NYSDEC.

OH - Feet below ground surface of Open Hole interval for the well.

E = Result exceeded calibration range

ug/L = micrograms per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL).

D = Duplicate Sample, ND = Not Detected, NS = No Standard

Shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 11**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - 1-4,DIOXANE**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number                     | Emerging Contaminant Screening Levels <sup>1</sup> | LMW-03   | MW-01-94 | MW-01-02 | MW-01-10  |
|---------------------------------|----------------------------------------------------|----------|----------|----------|-----------|
| Sample Date                     |                                                    | 05/29/19 | 05/29/19 | 05/20/19 | 06/07/19  |
| Well Screen Interval (feet bgs) |                                                    | 9.0-20.3 | 2.3-13.0 | 4.5-16.8 | 9.2-20.20 |
| <b>VOCs (µg/L)</b>              |                                                    |          |          |          |           |
| 1,4-DIOXANE (P-DIOXANE)         | 1.0                                                | 0.43     | <0.35    | 18       | <1        |

Notes:

1) The listing for 1,4-dioxane is a reference concentration drawn from the Emerging Contaminant Sampling Initiative: January 2019, NYSDEC.

OH - Feet below ground surface of Open Hole interval for the well.

E = Result exceeded calibration range

ug/L = micrograms per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL).

D = Duplicate Sample, ND = Not Detected, NS = No Standard

Shaded values exceed NYSDEC groundwater standards or guidance values.



**TABLE 11**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - 1,4-DIOXANE**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number                     | Emerging Contaminant Screening Levels <sup>1</sup> | MW-02-94 | MW-02-02 | MW-02-10 | MW-03-02 |
|---------------------------------|----------------------------------------------------|----------|----------|----------|----------|
| Sample Date                     |                                                    | 05/21/19 | 05/21/19 | 06/06/19 | 06/07/19 |
| Well Screen Interval (feet bgs) |                                                    | 9.5-16.3 | 5.5-12.0 | 7.1-18.1 | 6.5-13.1 |
| <b>VOCs (µg/L)</b>              |                                                    |          |          |          |          |
| 1,4-DIOXANE (P-DIOXANE)         | 1.0                                                | 26 E     | <0.2     | 0.67     | 14 E     |

Notes:

1) The listing for 1,4-dioxane is a reference concentration drawn from the Emerging Contaminant Sampling Initiative: January 2019, NYSDEC.

OH - Feet below ground surface of Open Hole interval for the well.

E = Result exceeded calibration range

ug/L = micrograms per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL).

D = Duplicate Sample, ND = Not Detected, NS = No Standard

Shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 11**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - 1,4-DIOXANE**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number                     | Emerging Contaminant Screening Levels <sup>1</sup> | MW-03-02 D | MW-03-10 | MW-04-02 | MW-05-94 |
|---------------------------------|----------------------------------------------------|------------|----------|----------|----------|
| Sample Date                     |                                                    | 06/07/19   | 06/07/19 | 06/06/19 | 06/03/19 |
| Well Screen Interval (feet bgs) |                                                    | 6.5-13.1   | 6.6-17.6 | 4.0-10.4 | 2.8-8.9  |
| <b>VOCs (µg/L)</b>              |                                                    |            |          |          |          |
| 1,4-DIOXANE (P-DIOXANE)         | 1.0                                                | 13 E       | 0.92     | 30 E     | 5.5      |

Notes:

1) The listing for 1,4-dioxane is a reference concentration drawn from the Emerging Contaminant Sampling Initiative: January 2019, NYSDEC.

OH - Feet below ground surface of Open Hole interval for the well.

E = Result exceeded calibration range

ug/L = micrograms per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL).

D = Duplicate Sample, ND = Not Detected, NS = No Standard

Shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 11**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - 1,4-DIOXANE**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number                     | Emerging Contaminant Screening Levels <sup>1</sup> | MW-06-94  | MW-06-94 D | MW-06-10 | MW-06-10 D |
|---------------------------------|----------------------------------------------------|-----------|------------|----------|------------|
| Sample Date                     |                                                    | 05/20/19  | 05/20/19   | 05/23/19 | 05/23/19   |
| Well Screen Interval (feet bgs) |                                                    | 10.0-18.7 | 10.0-18.7  | 9.4-19.4 | 9.4-19.4   |
| <b>VOCs (µg/L)</b>              |                                                    |           |            |          |            |
| 1,4-DIOXANE (P-DIOXANE)         | 1.0                                                | 1.6 E     | 2.7 E      | 4.5      | 3.8        |

Notes:

1) The listing for 1,4-dioxane is a reference concentration drawn from the Emerging Contaminant Sampling Initiative: January 2019, NYSDEC.

OH - Feet below ground surface of Open Hole interval for the well.

E = Result exceeded calibration range

ug/L = micrograms per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL).

D = Duplicate Sample, ND = Not Detected, NS = No Standard

Shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 11**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - 1,4-DIOXANE**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number                     | Emerging Contaminant Screening Levels <sup>1</sup> | MW-07-94 | MW-07-03 | MW-08-03 | MW-08-03 D |
|---------------------------------|----------------------------------------------------|----------|----------|----------|------------|
| Sample Date                     |                                                    | 06/21/19 | 06/03/19 | 05/31/19 | 05/31/19   |
| Well Screen Interval (feet bgs) |                                                    | 2.4-8.4  | 4.0-16.3 | 3.0-15.5 | 3.0-15.5   |
| <b>VOCs (µg/L)</b>              |                                                    |          |          |          |            |
| 1,4-DIOXANE (P-DIOXANE)         | 1.0                                                | 5.5 E    | 15 E     | 0.5      | 0.41       |

Notes:

1) The listing for 1,4-dioxane is a reference concentration drawn from the Emerging Contaminant Sampling Initiative: January 2019, NYSDEC.

OH - Feet below ground surface of Open Hole interval for the well.

E = Result exceeded calibration range

ug/L = micrograms per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL).

D = Duplicate Sample, ND = Not Detected, NS = No Standard

Shaded values exceed NYSDEC groundwater standards or guidance values.

**TABLE 11**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS:**  
**2Q2019 - 1,4-DIOXANE**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**CITY OF BUFFALO, NEW YORK**

| Well Number                     | Emerging Contaminant Screening Levels <sup>1</sup> | MW-10-03 | MW-11-03 | MW-13-03 |
|---------------------------------|----------------------------------------------------|----------|----------|----------|
| Sample Date                     |                                                    | 06/06/19 | 05/22/19 | 06/21/19 |
| Well Screen Interval (feet bgs) |                                                    | 2.5-14.0 | 3.0-15.0 | 3.0-16.0 |
| <b>VOCs (µg/L)</b>              |                                                    |          |          |          |
| 1,4-DIOXANE (P-DIOXANE)         | 1.0                                                | 7        | 20 E     | 0.82     |

Notes:

1) The listing for 1,4-dioxane is a reference concentration drawn from the Emerging Contaminant Sampling Initiative: January 2019, NYSDEC.

OH - Feet below ground surface of Open Hole interval for the well.

E = Result exceeded calibration range

ug/L = micrograms per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL).

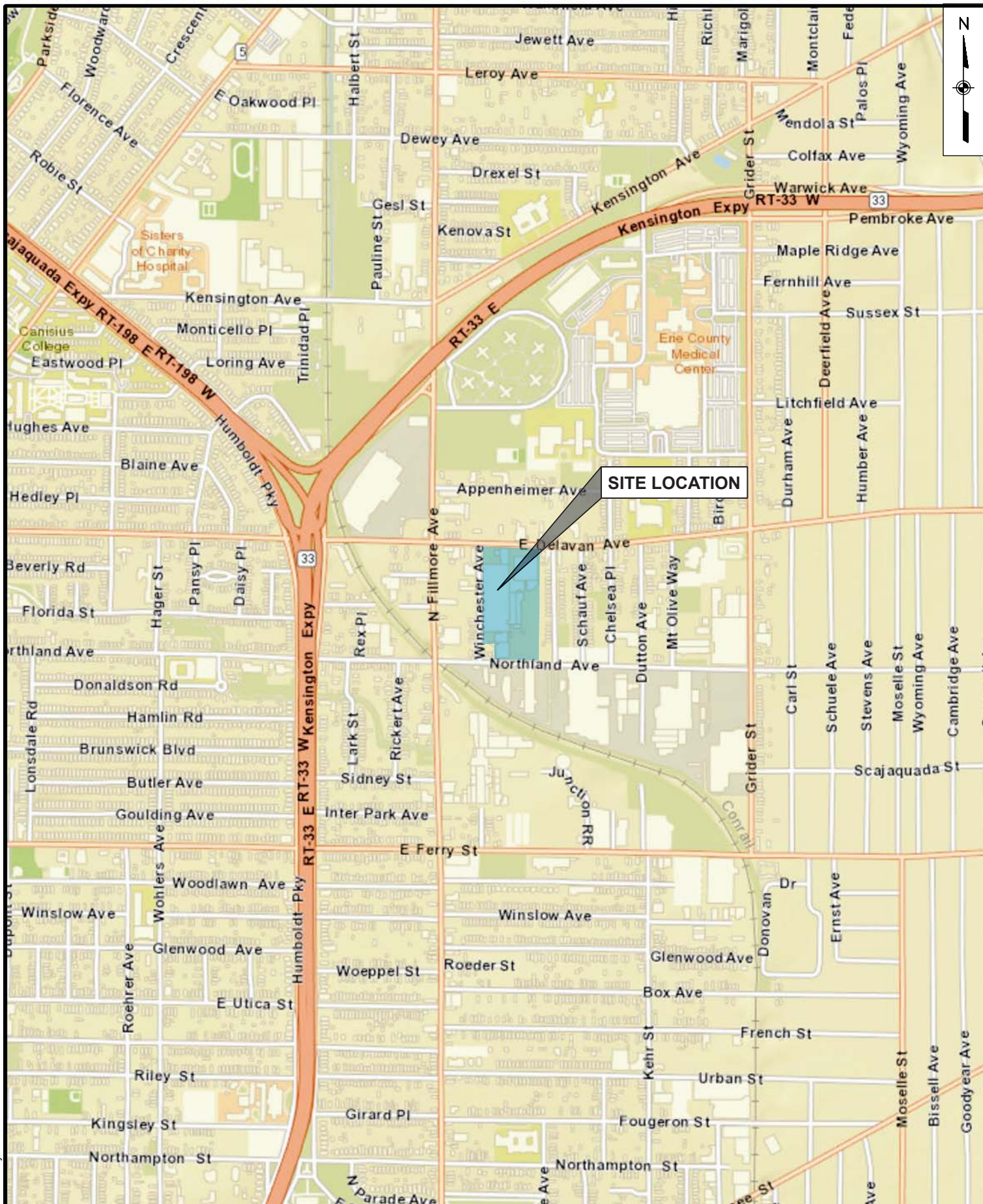
D = Duplicate Sample, ND = Not Detected, NS = No Standard

Shaded values exceed NYSDEC groundwater standards or guidance values.



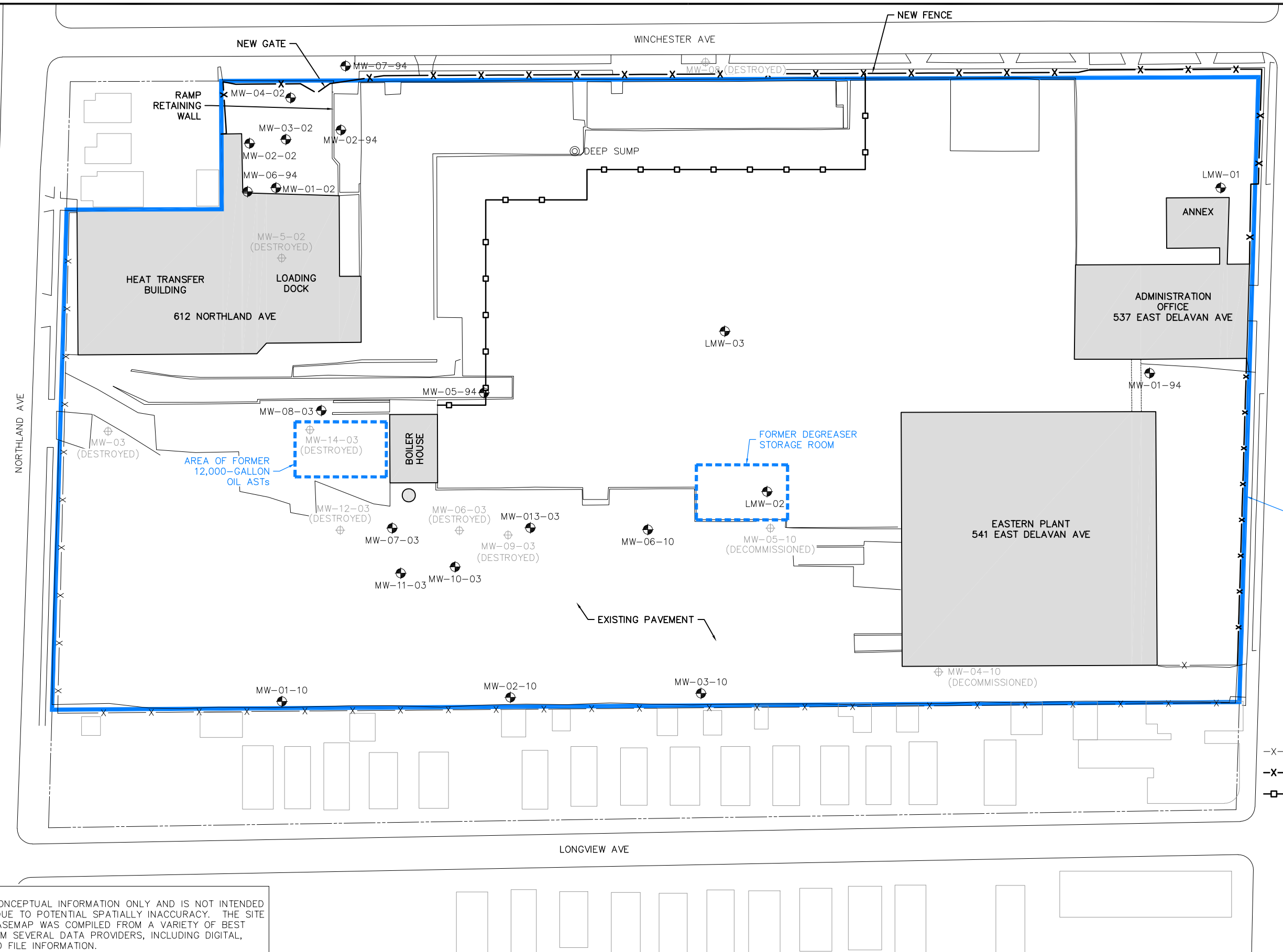
**FIGURES**





LiRo-Engineers, Inc.  
690 Delaware Ave.  
Buffalo, New York

## 537 EAST DELAVAN AVENUE SITE LOCATION MAP



- NOTES:**
- 1. ALL LOCATIONS OF MONITORING WELLS LABELED "DESTROYED" ARE APPROXIMATE.
  - 2. LOCATIONS OF LMW-01, LMW-02, LMW-03 MW 07-03 AND MW 08-03 ARE APPROXIMATE.
  - 3. ALL REMAINING LOCATIONS SURVEYED BY WM SCHUTT ASSOCIATES ON 12/28/2019.

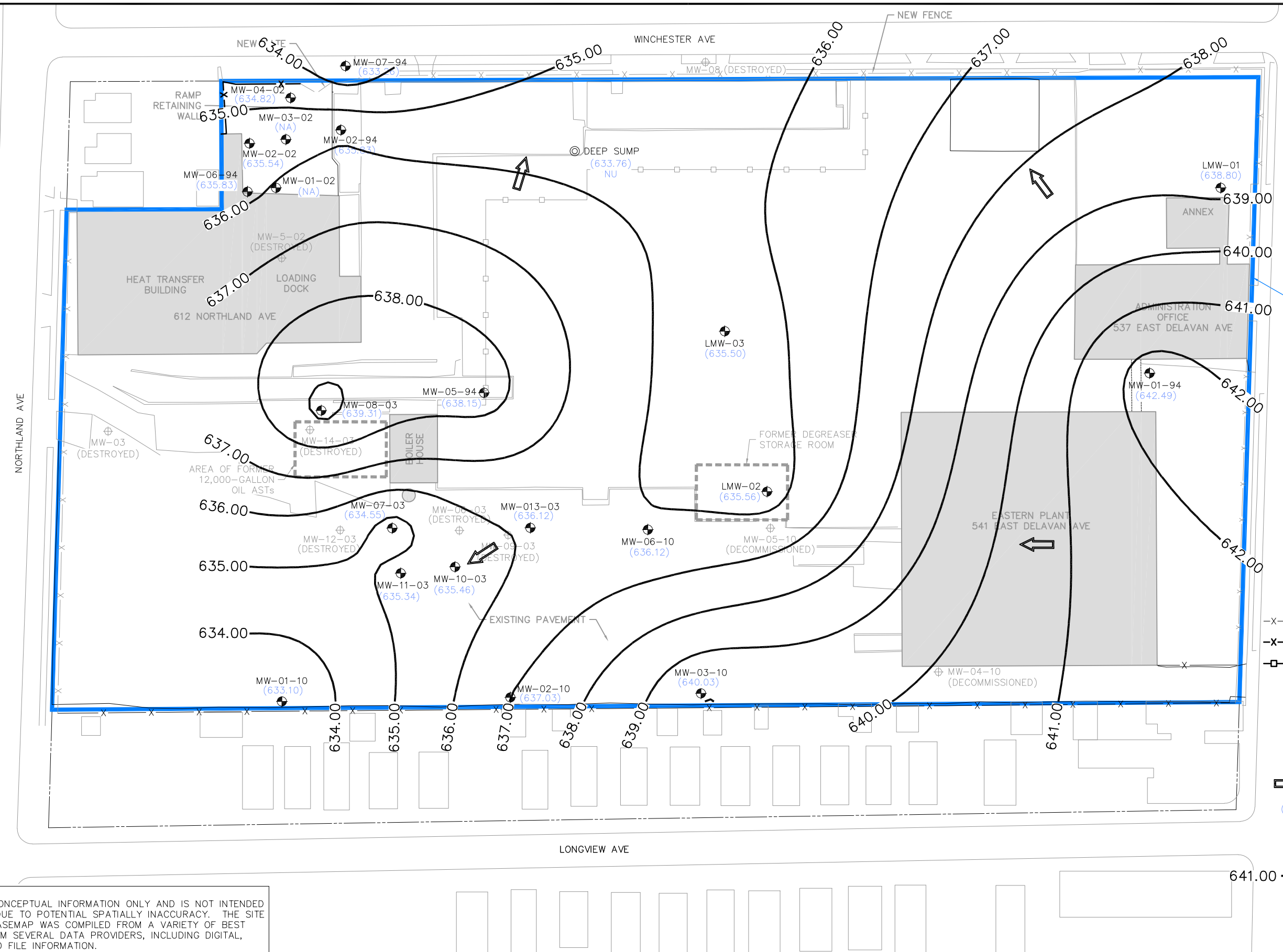
- LEGEND:**
- PROTECTED/REMAINING STRUCTURE
  - PERIMETER FENCING
  - NEW FENCE INSTALLATION
  - NEW FALL PROTECTION INSTALLATION
  - APPROXIMATE LOCATION OF EXISTING MONITORING WELLS
  - APPROXIMATE LOCATION OF DESTROYED/DECOMMISSIONED MONITORING WELLS
  - DEEP SUMP



**SOURCE:**  
THIS BASEMAP IS FOR CONCEPTUAL INFORMATION ONLY AND IS NOT INTENDED FOR DESIGN PURPOSES DUE TO POTENTIAL SPATIALLY INACCURACY. THE SITE INFORMATION ON THIS BASEMAP WAS COMPILED FROM A VARIETY OF BEST AVAILABLE SOURCES FROM SEVERAL DATA PROVIDERS, INCLUDING DIGITAL, HARDCOPY AND SCANNED FILE INFORMATION.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |                 |                                      |                                                                                                                                                                                          |                                     |                                                                                                                        |                                                                                                                         |                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| <div><div>WARNING</div><div>IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, OTHER THAN THOSE WHOSE SEAL APPEARS ON THIS DRAWING, TO ALTER IN ANY WAY AN ITEM ON THIS DRAWING. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.</div></div> |                      |                 |                                      | <div><div></div><div>LiRo Engineers, Inc.<br/>690 Delaware Avenue<br/>Buffalo, New York</div></div> | <div>PROJ. ENG.:<br/>M. J. W.</div> | <div><div>NEW YORK<br/>STATE OF<br/>OPPORTUNITY</div><div>Department of<br/>Environmental<br/>Conservation</div></div> | <div>JOB TITLE AND LOCATION:<br/><br/>537 EAST DELAVAN AVENUE<br/>BUFFALO, NEW YORK<br/>NYSDEC SITE NUMBER 915165</div> | <div>LIRO JOB NO.:<br/>17-013-0289</div> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |                 | <div>DESIGNED BY:<br/>M. P. B.</div> |                                                                                                                                                                                          | <div>SHEET 2 OF 4</div>             |                                                                                                                        |                                                                                                                         |                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                      |                 | <div>CHECKED BY:<br/>M. J. W.</div>  |                                                                                                                                                                                          | <div>FIGURE NO:<br/>2</div>         |                                                                                                                        |                                                                                                                         |                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <div>NO.</div>       | <div>DATE</div> | <div>DESCRIPTION</div>               |                                                                                                                                                                                          | <div>DRAWN BY:<br/>A. M. K.</div>   | <div>DATE:<br/>JUNE 2019</div>                                                                                         | <div>SCALE:<br/>AS SHOWN</div>                                                                                          | <div>SITE PLAN</div>                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <div>REVISIONS</div> |                 |                                      |                                                                                                                                                                                          |                                     |                                                                                                                        |                                                                                                                         |                                          |





- NOTES:**
1. ALL LOCATIONS OF MONITORING WELLS LABELED "DESTROYED" ARE APPROXIMATE.
  2. LOCATIONS OF LMW-01, LMW-02, LMW-03 MW 07-03 AND MW 08-03 ARE APPROXIMATE.
  3. ALL REMAINING LOCATIONS SURVEYED BY WM SCHUTT ASSOCIATES ON 12/28/2019.

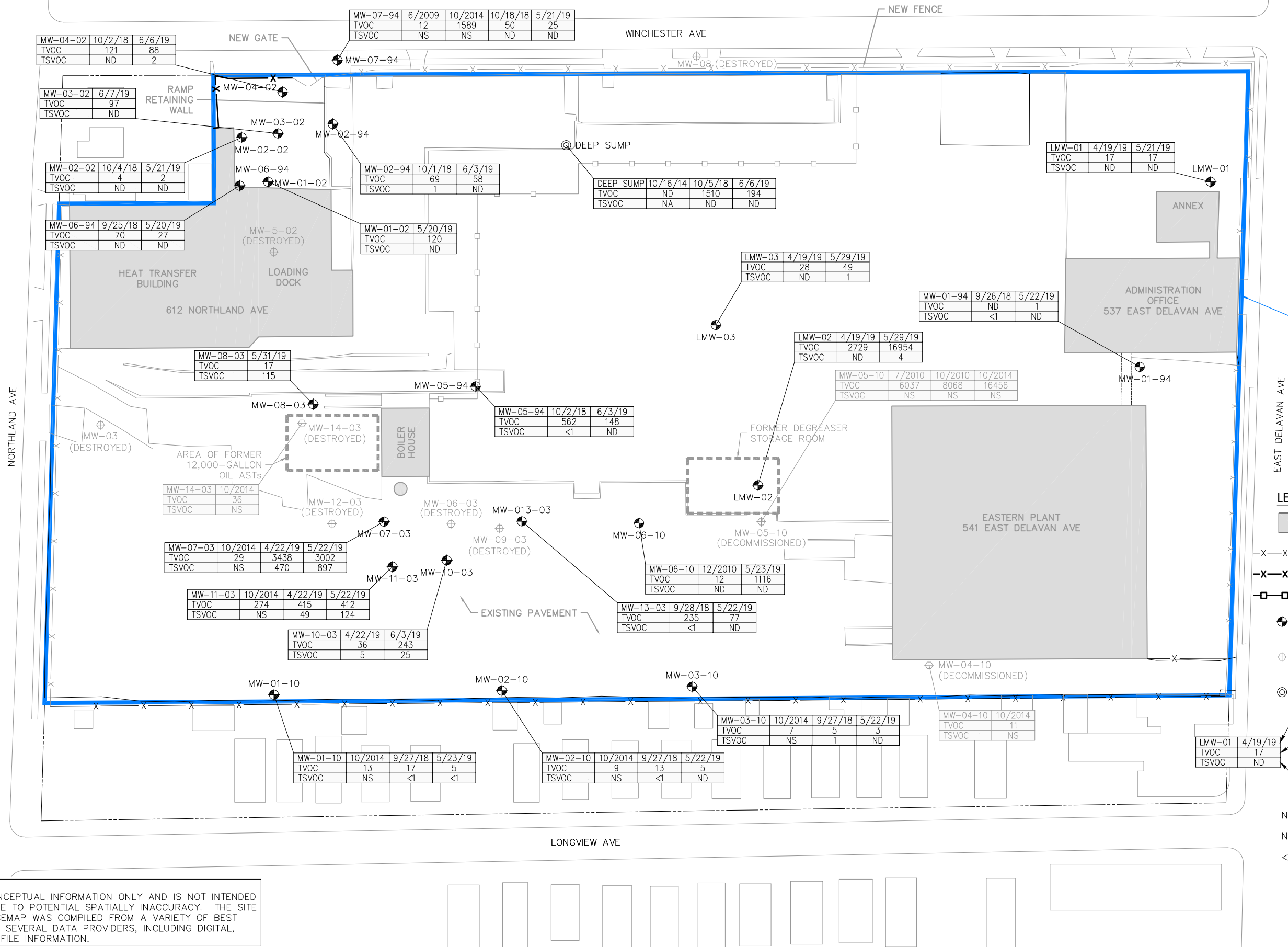
- LEGEND:**
- PROTECTED/REMAINING STRUCTURE
  - PERIMETER FENCING
  - NEW FENCE INSTALLATION
  - NEW FALL PROTECTION INSTALLATION
  - APPROXIMATE LOCATION OF EXISTING MONITORING WELLS
  - APPROXIMATE LOCATION OF DESTROYED/DECOMMISSIONED MONITORING WELLS
  - DEEP SUMP
  - INTERPRETED GROUNDWATER FLOW DIRECTION
  - (0.50) GROUNDWATER ELEVATION (FT. MSL)
  - (NA) NOT ACCESSIBLE
  - NU GROUNDWATER ELEVATION NOT USED IN PRODUCTION OF CONTOURS
  - GROUNDWATER CONTOUR (FT. MSL) (DASHED WHERE INFERRED)

**SOURCE:**  
THIS BASEMAP IS FOR CONCEPTUAL INFORMATION ONLY AND IS NOT INTENDED FOR DESIGN PURPOSES DUE TO POTENTIAL SPATIALLY INACCURACY. THE SITE INFORMATION ON THIS BASEMAP WAS COMPILED FROM A VARIETY OF BEST AVAILABLE SOURCES FROM SEVERAL DATA PROVIDERS, INCLUDING DIGITAL, HARDCOPY AND SCANNED FILE INFORMATION.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |             |                                                                                                                                                           |  |  |                                                                                                         |                                                                                                                                                                 |                                                                      |                                                                                                                                                                   |                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>WARNING</b><br>IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, OTHER THAN THOSE WHOSE SEAL APPEARS ON THIS DRAWING, TO ALTER IN ANY WAY AN ITEM ON THIS DRAWING. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION. |      |             | <br>LiRo Engineers, Inc.<br>690 Delaware Avenue<br>Buffalo, New York |  |  | PROJ. ENG.:<br>M. J. W.<br>DESIGNED BY:<br>M. P. B.<br>CHECKED BY:<br>M. J. W.<br>DRAWN BY:<br>A. M. K. | CLIENT:<br><br>NEW YORK<br>STATE OF<br>OPPORTUNITY<br>DATE:<br>AUGUST 2019 | Department of<br>Environmental<br>Conservation<br>SCALE:<br>AS SHOWN | JOB TITLE AND LOCATION:<br>537 EAST DELAVAN AVENUE<br>BUFFALO, NEW YORK<br>NYSDEC SITE NUMBER 915165<br>DRAWING TITLE:<br>GROUNDWATER CONTOUR MAP<br>JUNE 7, 2019 | LIRO JOB NO.:<br>17-013-0289<br>SHEET<br>3 OF 4<br>FIGURE NO.:<br>3 |
| NO.                                                                                                                                                                                                                                                                                                                                                                                                                                            | DATE | DESCRIPTION | REVISIONS                                                                                                                                                 |  |  |                                                                                                         |                                                                                                                                                                 |                                                                      |                                                                                                                                                                   |                                                                     |

L:\17-013-0289 NYSDEC Standard\CAD\Cell-04\134697 - Vibratex MONITORING REPORT\202019\537 GW CONTOUR.dwg 8/22/2019 2:51 PM

\\17-013-0288 NYSDEC Standard\\CAD\\Cell-Out\\134697 - Vibratex MONITORING REPORT\\202019\\537 GW RESULTS.dwg 8/22/2019 2:51 PM



- NOTES:**
- ALL LOCATIONS OF MONITORING WELLS LABELED "DESTROYED" ARE APPROXIMATE.
  - LOCATIONS OF LMW-01, LMW-02, LMW-03 MW 07-03 AND MW 08-03 ARE APPROXIMATE.
  - ALL REMAINING LOCATIONS SURVEYED BY WM SCHUTT ASSOCIATES ON 12/28/2019.
- LEGEND:**
- PROTECTED/REMAINING STRUCTURE
  - PERIMETER FENCING
  - NEW FENCE INSTALLATION
  - NEW FALL PROTECTION INSTALLATION
  - APPROXIMATE LOCATION OF EXISTING MONITORING WELLS
  - APPROXIMATE LOCATION OF DESTROYED/DECOMMISSIONED MONITORING WELLS
  - DEEP SUMP
  - SAMPLE I.D. AND DATE
  - TOTAL VOLATILE ORGANIC COMPOUND CONCENTRATIONS IN µg/L (ppb)
  - TOTAL SEMI-VOLATILE ORGANIC COMPOUND CONCENTRATIONS IN µg/L (ppb)
  - ND NOT DETECTED
  - NS NOT SAMPLED
  - <1 TOTAL CONCENTRATION ABOVE LABORATORY REPORTING LIMIT BUT LESS THAN 1 MICROGRAM PER LITER (µg/L)

**SOURCE:**  
THIS BASEMAP IS FOR CONCEPTUAL INFORMATION ONLY AND IS NOT INTENDED FOR DESIGN PURPOSES DUE TO POTENTIAL SPATIALLY INACCURACY. THE SITE INFORMATION ON THIS BASEMAP WAS COMPILED FROM A VARIETY OF BEST AVAILABLE SOURCES FROM SEVERAL DATA PROVIDERS, INCLUDING DIGITAL, HARDCOPY AND SCANNED FILE INFORMATION.

**WARNING**  
IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, OTHER THAN THOSE WHOSE SEAL APPEARS ON THIS DRAWING, TO ALTER IN ANY WAY AN ITEM ON THIS DRAWING. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

| NO.       | DATE | DESCRIPTION |
|-----------|------|-------------|
| REVISIONS |      |             |



LiRo Engineers, Inc.  
690 Delaware Avenue  
Buffalo, New York

PROJ. ENG.:  
M.J.W.  
DESIGNED BY:  
M.P.B.  
CHECKED BY:  
M.J.W.  
DRAWN BY:  
A.M.K.

CLIENT:  
**NEW YORK**  
STATE OF  
OPPORTUNITY  
DATE:  
AUGUST 2019

**Department of  
Environmental  
Conservation**

SCALE:  
AS SHOWN

JOB TITLE AND LOCATION:  
537 EAST DELAVAN AVENUE  
BUFFALO, NEW YORK  
NYSDEC SITE NUMBER 915165

DRAWING TITLE:  
GROUNDWATER SAMPLE RESULTS -  
TOTAL VOCs AND SVOCs

LIRO JOB NO.:  
17-013-0289  
SHEET  
4 OF 4  
FIGURE NO.:  
4



**ATTACHMENT A**

Baseline Sample Results - October 2018 to April 2019  
(Electronic Copy Only)

**ATTACHMENT A - TABLE 1**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - VOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | Deep Sump<br>10/05/18<br>10.0-202.5 (OH) | LMW-01<br>04/19/19<br>9.0-20.6 | LMW-02<br>04/19/19<br>9.0-20.3 | LMW-03<br>04/19/19<br>9.0-20.9 |
|------------------------------------------------------------------|-------------------------------------|------------------------------------------|--------------------------------|--------------------------------|--------------------------------|
| <b>VOCs (ug/L)</b>                                               |                                     |                                          |                                |                                |                                |
| 1,1,1-TRICHLOROETHANE                                            | 5.0                                 | 480                                      | <1                             | 930                            | 2.3                            |
| 1,1,2,2-TETRACHLOROETHANE                                        | 5.0                                 | <10                                      | <1                             | <1                             | <1                             |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE                            | 5.0                                 | <10                                      | <1                             | <1                             | <1                             |
| 1,1,2-TRICHLOROETHANE                                            | 1.0                                 | <10                                      | <1                             | 1.4                            | <1                             |
| 1,1-DICHLOROETHANE                                               | 5.0                                 | 270                                      | <1                             | 970                            | 1.2                            |
| 1,1-DICHLOROETHENE                                               | 5.0                                 | 24                                       | <1                             | 27                             | <1                             |
| 1,2,4-TRICHLOROBENZENE                                           | 5.0                                 | <10                                      | <1                             | <1                             | <1                             |
| 1,2-DIBROMO-3-CHLOROPROPANE                                      | 0.04                                | <10                                      | <10                            | <10                            | <10                            |
| 1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)                           | 0.0006                              | <10                                      | <1                             | <1                             | <1                             |
| 1,2-DICHLOROBENZENE                                              | 3.0                                 | <10                                      | <1                             | <1                             | <1                             |
| 1,2-DICHLOROETHANE                                               | 0.6                                 | <10                                      | <1                             | 0.49                           | J                              |
| 1,2-DICHLOROPROPANE                                              | 1.0                                 | <10                                      | <1                             | <1                             | <1                             |
| 1,3-DICHLOROBENZENE                                              | 3.0                                 | <10                                      | <1                             | <1                             | <1                             |
| 1,4-DICHLOROBENZENE                                              | 3.0                                 | <10                                      | <1                             | <1                             | <1                             |
| 2-HEXANONE                                                       | 50.0                                | <50                                      | <10                            | <10                            | <10                            |
| ACETONE                                                          | 50.0                                | <100                                     | <25                            | 4.6                            | J                              |
| BENZENE                                                          | 1.0                                 | <10                                      | <1                             | 0.26                           | J                              |
| BROMODICHLOROMETHANE                                             | 50.0                                | <10                                      | <1                             | <1                             | <1                             |
| BROMOFORM                                                        | 50.0                                | <10                                      | <1                             | <1                             | <1                             |
| BROMOMETHANE                                                     | 5.0                                 | <10                                      | <1                             | <1                             | <1                             |
| CARBON DISULFIDE                                                 | NS                                  | <10                                      | <1                             | 0.32                           | J                              |
| CARBON TETRACHLORIDE                                             | 5.0                                 | <10                                      | <1                             | <1                             | <1                             |
| CHLOROBENZENE                                                    | 5.0                                 | <10                                      | <1                             | <1                             | <1                             |
| CHLOROETHANE                                                     | 5.0                                 | 200                                      | <1                             | 1.1                            | <1                             |
| CHLOROFORM                                                       | 7.0                                 | <10                                      | 3.2                            | 1.8                            | 0.31                           |
| CHLOROMETHANE                                                    | 5.0                                 | <10                                      | <1                             | <1                             | <1                             |
| CIS-1,2-DICHLOROETHYLENE                                         | 5.0                                 | 410                                      | 2.4                            | 630                            | 6.1                            |
| CIS-1,3-DICHLOROPROPENE                                          | 0.4                                 | <10                                      | <1                             | <1                             | <1                             |
| CYCLOHEXANE                                                      | NS                                  | <10                                      | 0.82                           | J                              | 0.74                           |
| DIBROMOCHLOROMETHANE                                             | 50.0                                | <10                                      | <1                             | <1                             | <1                             |
| DICHLORODIFLUOROMETHANE                                          | 5.0                                 | <10                                      | <1                             | <1                             | <1                             |
| ETHYLBENZENE                                                     | 5.0                                 | <10                                      | <1                             | <1                             | <1                             |
| ISOPROPYLBENZENE (Cumene)                                        | 5.0                                 | <10                                      | <1                             | <1                             | <1                             |
| METHYL ACETATE                                                   | NS                                  | <25                                      | <10                            | <10                            | 0.76                           |
| METHYL ETHYL KETONE (2-BUTANONE)                                 | 50.0                                | <100                                     | <50                            | <50                            | UT                             |
| METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)                    | NS                                  | <50                                      | <10                            | <10                            | <10                            |
| METHYLCYCLOHEXANE                                                | NS                                  | <10                                      | 0.55                           | J                              | 0.51                           |
| METHYLENE CHLORIDE                                               | 5.0                                 | <10                                      | <5                             | <5                             | <5                             |
| STYRENE                                                          | 5.0                                 | <10                                      | <1                             | <1                             | <1                             |
| TERT-BUTYL ALCOHOL                                               | NS                                  | <100                                     | <10                            | <10                            | <10                            |
| TERT-BUTYL METHYL ETHER                                          | NS                                  | <10                                      | <1                             | <1                             | <1                             |
| TETRACHLOROETHYLENE(PCE)                                         | 5.0                                 | <10                                      | 4                              | <1                             | <1                             |
| TOLUENE                                                          | 5.0                                 | <10                                      | <1                             | 0.45                           | J                              |
| TRANS-1,2-DICHLOROETHENE                                         | 5.0                                 | <10                                      | 0.69                           | J                              | 8.5                            |
| TRANS-1,3-DICHLOROPROPENE                                        | 0.4                                 | <10                                      | <1                             | <1                             | <1                             |
| TRICHLOROETHYLENE (TCE)                                          | 5.0                                 | 51                                       | 5.7                            | 120                            | 15                             |
| TRICHLOROFLUOROMETHANE                                           | 5.0                                 | <10                                      | <1                             | <1                             | <1                             |
| VINYL CHLORIDE                                                   | 2.0                                 | 75                                       | <1                             | 32                             | 0.66                           |
| XYLENES, TOTAL                                                   | 5.0                                 | <20                                      | <3                             | <3                             | <3                             |
| TOTAL VOCs                                                       | NA                                  | 1,510                                    | 17                             | 2,729                          | 28                             |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**ATTACHMENT A - TABLE 1**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - VOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | LMW-03 D<br>04/19/19<br>9.0-20.9 | MW-01-94<br>09/26/18<br>3.0-13.0 | MW-01-10<br>09/27/18<br>7.4-17.4 | MW-02-94<br>10/01/18<br>5.0-10.0 |
|------------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>VOCs (ug/L)</b>                                               |                                     |                                  |                                  |                                  |                                  |
| 1,1,1-TRICHLOROETHANE                                            | 5.0                                 | 2.1                              | <1                               | 3.2                              | <4                               |
| 1,1,2,2-TETRACHLOROETHANE                                        | 5.0                                 | <1                               | <1                               | <1                               | <4                               |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE                            | 5.0                                 | <1                               | <1                               | <1                               | <4                               |
| 1,1,2-TRICHLOROETHANE                                            | 1.0                                 | <1                               | <1                               | <1                               | <4                               |
| 1,1-DICHLOROETHANE                                               | 5.0                                 | 0.98                             | <1                               | 0.58                             | 19                               |
| 1,1-DICHLOROETHENE                                               | 5.0                                 | <1                               | <1                               | <1                               | <4                               |
| 1,2,4-TRICHLOROBENZENE                                           | 5.0                                 | <1                               | <1                               | <1                               | <4                               |
| 1,2-DIBROMO-3-CHLOROPROPANE                                      | 0.04                                | <10                              | <1                               | <1                               | <4                               |
| 1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)                           | 0.0006                              | <1                               | <1                               | <1                               | <4                               |
| 1,2-DICHLOROBENZENE                                              | 3.0                                 | <1                               | <1                               | <1                               | <4                               |
| 1,2-DICHLOROETHANE                                               | 0.6                                 | <1                               | <1                               | <1                               | <4                               |
| 1,2-DICHLOROPROPANE                                              | 1.0                                 | <1                               | <1                               | <1                               | <4                               |
| 1,3-DICHLOROBENZENE                                              | 3.0                                 | <1                               | <1                               | <1                               | <4                               |
| 1,4-DICHLOROBENZENE                                              | 3.0                                 | <1                               | <1                               | <1                               | <4                               |
| 2-HEXANONE                                                       | 50.0                                | <10                              | <5                               | <5                               | <20                              |
| ACETONE                                                          | 50.0                                | <25                              | <10                              | <10                              | <40                              |
| BENZENE                                                          | 1.0                                 | <1                               | <1                               | <1                               | <4                               |
| BROMODICHLOROMETHANE                                             | 50.0                                | <1                               | <1                               | <1                               | <4                               |
| BROMOFORM                                                        | 50.0                                | <1                               | <1                               | <1                               | <4                               |
| BROMOMETHANE                                                     | 5.0                                 | <1                               | <1                               | <1                               | <4                               |
| CARBON DISULFIDE                                                 | NS                                  | <1                               | <1                               | <1                               | <4                               |
| CARBON TETRACHLORIDE                                             | 5.0                                 | <1                               | <1                               | <1                               | <4                               |
| CHLOROBENZENE                                                    | 5.0                                 | <1                               | <1                               | <1                               | <4                               |
| CHLOROETHANE                                                     | 5.0                                 | <1                               | <1                               | <1                               | 15                               |
| CHLOROFORM                                                       | 7.0                                 | 0.29                             | <1                               | 6.1                              | 13                               |
| CHLOROMETHANE                                                    | 5.0                                 | <1                               | <1                               | <1                               | <4                               |
| CIS-1,2-DICHLOROETHYLENE                                         | 5.0                                 | 5.5                              | <1                               | 1.3                              | 5.6                              |
| CIS-1,3-DICHLOROPROPENE                                          | 0.4                                 | <1                               | <1                               | <1                               | <4                               |
| CYCLOHEXANE                                                      | NS                                  | 0.71                             | <1                               | <1                               | <4                               |
| DIBROMOCHLOROMETHANE                                             | 50.0                                | <1                               | <1                               | <1                               | <4                               |
| DICHLORODIFLUOROMETHANE                                          | 5.0                                 | <1                               | <1                               | <1                               | <4                               |
| ETHYLBENZENE                                                     | 5.0                                 | <1                               | <1                               | <1                               | <4                               |
| ISOPROPYLBENZENE (Cumene)                                        | 5.0                                 | <1                               | <1                               | <1                               | <4                               |
| METHYL ACETATE                                                   | NS                                  | 1.9                              | <2.5                             | <2.5                             | <10                              |
| METHYL ETHYL KETONE (2-BUTANONE)                                 | 50.0                                | <50                              | <10                              | <10                              | <40                              |
| METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)                    | NS                                  | <10                              | <5                               | <5                               | <20                              |
| METHYLCYCLOHEXANE                                                | NS                                  | 0.82                             | <1                               | <1                               | <4                               |
| METHYLENE CHLORIDE                                               | 5.0                                 | <5                               | <1                               | <1                               | 9.4                              |
| STYRENE                                                          | 5.0                                 | <1                               | <1                               | <1                               | <4                               |
| TERT-BUTYL ALCOHOL                                               | NS                                  | <10                              | <10                              | <10                              | <40                              |
| TERT-BUTYL METHYL ETHER                                          | NS                                  | <1                               | <1                               | <1                               | <4                               |
| TETRACHLOROETHYLENE(PCE)                                         | 5.0                                 | <1                               | <1                               | <1                               | <4                               |
| TOLUENE                                                          | 5.0                                 | 0.22                             | <1                               | <1                               | <4                               |
| TRANS-1,2-DICHLOROETHENE                                         | 5.0                                 | <1                               | <1                               | <1                               | <4                               |
| TRANS-1,3-DICHLOROPROPENE                                        | 0.4                                 | <1                               | <1                               | <1                               | <4                               |
| TRICHLOROETHYLENE (TCE)                                          | 5.0                                 | 14                               | 1.6                              | 5.8                              | 2.3                              |
| TRICHLOROFLUOROMETHANE                                           | 5.0                                 | <1                               | <1                               | <1                               | <4                               |
| VINYL CHLORIDE                                                   | 2.0                                 | 0.6                              | <1                               | <1                               | 4.6                              |
| XYLENES, TOTAL                                                   | 5.0                                 | <3                               | <2                               | <2                               | <8                               |
| TOTAL VOCs                                                       | NA                                  | 27                               | ND                               | 17                               | 69                               |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**ATTACHMENT A - TABLE 1**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - VOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-02-02<br>10/04/18<br>6.9-11.9 | MW-02-10<br>09/27/18<br>5.8-15.7 | MW-03-10<br>09/27/18<br>5.5-15.5 | MW-04-02<br>10/02/18<br>4.5-9.5 |
|------------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|---------------------------------|
| <b>VOCs (ug/L)</b>                                               |                                     |                                  |                                  |                                  |                                 |
| 1,1,1-TRICHLOROETHANE                                            | 5.0                                 | 1.4                              | 4.8                              | <5                               | <1                              |
| 1,1,2,2-TETRACHLOROETHANE                                        | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE                            | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| 1,1,2-TRICHLOROETHANE                                            | 1.0                                 | <1                               | <1                               | <5                               | <1                              |
| 1,1-DICHLOROETHANE                                               | 5.0                                 | 1.7                              | 1.8                              | 5.2                              | 52                              |
| 1,1-DICHLOROETHENE                                               | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| 1,2,4-TRICHLOROBENZENE                                           | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| 1,2-DIBROMO-3-CHLOROPROPANE                                      | 0.04                                | <1                               | <1                               | <5                               | <1                              |
| 1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)                           | 0.0006                              | <1                               | <1                               | <5                               | <1                              |
| 1,2-DICHLOROBENZENE                                              | 3.0                                 | <1                               | <1                               | <5                               | <1                              |
| 1,2-DICHLOROETHANE                                               | 0.6                                 | <1                               | <1                               | <5                               | 0.4 J                           |
| 1,2-DICHLOROPROPANE                                              | 1.0                                 | <1                               | <1                               | <5                               | <1                              |
| 1,3-DICHLOROBENZENE                                              | 3.0                                 | <1                               | <1                               | <5                               | <1                              |
| 1,4-DICHLOROBENZENE                                              | 3.0                                 | <1                               | <1                               | <5                               | <1                              |
| 2-HEXANONE                                                       | 50.0                                | <5                               | <5                               | <25                              | <5                              |
| ACETONE                                                          | 50.0                                | <10                              | <10                              | <50                              | 3.2 J                           |
| BENZENE                                                          | 1.0                                 | <1                               | <1                               | <5                               | 1.1                             |
| BROMODICHLOROMETHANE                                             | 50.0                                | <1                               | <1                               | <5                               | <1                              |
| BROMOFORM                                                        | 50.0                                | <1                               | <1                               | <5                               | <1                              |
| BROMOMETHANE                                                     | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| CARBON DISULFIDE                                                 | NS                                  | <1                               | <1                               | <5                               | <1                              |
| CARBON TETRACHLORIDE                                             | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| CHLOROBENZENE                                                    | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| CHLOROETHANE                                                     | 5.0                                 | 1                                | <1                               | <5                               | 18                              |
| CHLOROFORM                                                       | 7.0                                 | <1                               | 1.7                              | <5                               | <1                              |
| CHLOROMETHANE                                                    | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| CIS-1,2-DICHLOROETHYLENE                                         | 5.0                                 | <1                               | 1.4                              | <5                               | 24                              |
| CIS-1,3-DICHLOROPROPENE                                          | 0.4                                 | <1                               | <1                               | <5                               | <1                              |
| CYCLOHEXANE                                                      | NS                                  | <1                               | <1                               | <5                               | 0.28 J                          |
| DIBROMOCHLOROMETHANE                                             | 50.0                                | <1                               | <1                               | <5                               | <1                              |
| DICHLORODIFLUOROMETHANE                                          | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| ETHYLBENZENE                                                     | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| ISOPROPYLBENZENE (Cumene)                                        | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| METHYL ACETATE                                                   | NS                                  | <2.5                             | <2.5                             | <13                              | <2.5                            |
| METHYL ETHYL KETONE (2-BUTANONE)                                 | 50.0                                | <10                              | <10                              | <50                              | <10                             |
| METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)                    | NS                                  | <5                               | <5                               | <25                              | <5                              |
| METHYLCYCLOHEXANE                                                | NS                                  | <1                               | <1                               | <5                               | 0.23 J                          |
| METHYLENE CHLORIDE                                               | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| STYRENE                                                          | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| TERT-BUTYL ALCOHOL                                               | NS                                  | <10                              | <10                              | <50                              | <10                             |
| TERT-BUTYL METHYL ETHER                                          | NS                                  | <1                               | <1                               | <5                               | <1                              |
| TETRACHLOROETHYLENE(PCE)                                         | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| TOLUENE                                                          | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| TRANS-1,2-DICHLOROETHENE                                         | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| TRANS-1,3-DICHLOROPROPENE                                        | 0.4                                 | <1                               | <1                               | <5                               | <1                              |
| TRICHLOROETHYLENE (TCE)                                          | 5.0                                 | <1                               | 3.6                              | <5                               | 0.95 J                          |
| TRICHLOROFLUOROMETHANE                                           | 5.0                                 | <1                               | <1                               | <5                               | <1                              |
| VINYL CHLORIDE                                                   | 2.0                                 | <1                               | <1                               | <5                               | 21                              |
| XYLENES, TOTAL                                                   | 5.0                                 | <2                               | <2                               | <10                              | <2                              |
| TOTAL VOCs                                                       | NA                                  | 4                                | 13                               | 5                                | 121                             |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**ATTACHMENT A - TABLE 1**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - VOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-05-94<br>10/02/18<br>3.8-8.9 | MW-06-94<br>09/25/18<br>11.5-15.9 | MW-06-10<br>09/28/18<br>9.1-19.4 | MW-07-94<br>10/18/18<br>5.4-8.4 |
|------------------------------------------------------------------|-------------------------------------|---------------------------------|-----------------------------------|----------------------------------|---------------------------------|
| <b>VOCs (ug/L)</b>                                               |                                     |                                 |                                   |                                  |                                 |
| 1,1,1-TRICHLOROETHANE                                            | 5.0                                 | 7.2                             | <2                                | 1.6 J                            | <20                             |
| 1,1,2,2-TETRACHLOROETHANE                                        | 5.0                                 | <2                              | <2                                | <2                               | <20                             |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE                            | 5.0                                 | <2                              | <2                                | <2                               | <20                             |
| 1,1,2-TRICHLOROETHANE                                            | 1.0                                 | <2                              | <2                                | <2                               | <20                             |
| 1,1-DICHLOROETHANE                                               | 5.0                                 | 84                              | 20                                | <2                               | <20                             |
| 1,1-DICHLOROETHENE                                               | 5.0                                 | 1.5 J                           | <2                                | <2                               | <20                             |
| 1,2,4-TRICHLOROBENZENE                                           | 5.0                                 | <2                              | <2                                | <2                               | <20                             |
| 1,2-DIBROMO-3-CHLOROPROPANE                                      | 0.04                                | <2                              | <2                                | <2                               | <20                             |
| 1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)                           | 0.0006                              | <2                              | <2                                | <2                               | <20                             |
| 1,2-DICHLOROBENZENE                                              | 3.0                                 | <2                              | <2                                | <2                               | <20                             |
| 1,2-DICHLOROETHANE                                               | 0.6                                 | 0.95 J                          | <2                                | <2                               | <20                             |
| 1,2-DICHLOROPROPANE                                              | 1.0                                 | <2                              | <2                                | <2                               | <20                             |
| 1,3-DICHLOROBENZENE                                              | 3.0                                 | <2                              | <2                                | <2                               | <20                             |
| 1,4-DICHLOROBENZENE                                              | 3.0                                 | <2                              | <2                                | <2                               | <20                             |
| 2-HEXANONE                                                       | 50.0                                | <10                             | <10                               | <10                              | <100                            |
| ACETONE                                                          | 50.0                                | <20                             | <20                               | 7.4 J                            | <200                            |
| BENZENE                                                          | 1.0                                 | <2                              | <2                                | <2                               | <20                             |
| BROMODICHLOROMETHANE                                             | 50.0                                | <2                              | <2                                | <2                               | <20                             |
| BROMOFORM                                                        | 50.0                                | <2                              | <2                                | <2                               | <20                             |
| BROMOMETHANE                                                     | 5.0                                 | <2                              | <2                                | <2                               | <20                             |
| CARBON DISULFIDE                                                 | NS                                  | <2                              | <2                                | <2                               | <20                             |
| CARBON TETRACHLORIDE                                             | 5.0                                 | <2                              | <2                                | <2                               | <20                             |
| CHLOROBENZENE                                                    | 5.0                                 | <2                              | <2                                | <2                               | <20                             |
| CHLOROETHANE                                                     | 5.0                                 | 5                               | <2                                | <2                               | <20                             |
| CHLOROFORM                                                       | 7.0                                 | <2                              | <2                                | <2                               | 50                              |
| CHLOROMETHANE                                                    | 5.0                                 | <2                              | <2                                | <2                               | <20                             |
| CIS-1,2-DICHLOROETHYLENE                                         | 5.0                                 | 330                             | 36                                | <2                               | <20                             |
| CIS-1,3-DICHLOROPROPENE                                          | 0.4                                 | <2                              | <2                                | <2                               | <20                             |
| CYCLOHEXANE                                                      | NS                                  | <2                              | <2                                | <2                               | <20                             |
| DIBROMOCHLOROMETHANE                                             | 50.0                                | <2                              | <2                                | <2                               | <20                             |
| DICHLORODIFLUOROMETHANE                                          | 5.0                                 | <2                              | <2                                | <2                               | <20                             |
| ETHYLBENZENE                                                     | 5.0                                 | <2                              | <2                                | <2                               | <20                             |
| ISOPROPYLBENZENE (Cumene)                                        | 5.0                                 | <2                              | <2                                | <2                               | <20                             |
| METHYL ACETATE                                                   | NS                                  | <5                              | <5                                | <5                               | <50                             |
| METHYL ETHYL KETONE (2-BUTANONE)                                 | 50.0                                | <20                             | <20                               | <20                              | <200                            |
| METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)                    | NS                                  | <10                             | <10                               | <10                              | <100                            |
| METHYLCYCLOHEXANE                                                | NS                                  | <2                              | <2                                | <2                               | <20                             |
| METHYLENE CHLORIDE                                               | 5.0                                 | 1.4 J                           | 1.1 J                             | <2                               | <20                             |
| STYRENE                                                          | 5.0                                 | <2                              | <2                                | <2                               | <20                             |
| TERT-BUTYL ALCOHOL                                               | NS                                  | <20                             | <20                               | <20                              | <200                            |
| TERT-BUTYL METHYL ETHER                                          | NS                                  | <2                              | <2                                | <2                               | <20                             |
| TETRACHLOROETHYLENE(PCE)                                         | 5.0                                 | <2                              | 2.6                               | <2                               | <20                             |
| TOLUENE                                                          | 5.0                                 | <2                              | <2                                | <2                               | <20                             |
| TRANS-1,2-DICHLOROETHENE                                         | 5.0                                 | <2                              | <2                                | <2                               | <20                             |
| TRANS-1,3-DICHLOROPROPENE                                        | 0.4                                 | <2                              | <2                                | <2                               | <20                             |
| TRICHLOROETHYLENE (TCE)                                          | 5.0                                 | 22                              | 1.5 J                             | 3.2                              | <20                             |
| TRICHLOROFLUOROMETHANE                                           | 5.0                                 | <2                              | <2                                | <2                               | <20                             |
| VINYL CHLORIDE                                                   | 2.0                                 | 110                             | 8.7                               | <2                               | <20                             |
| XYLENES, TOTAL                                                   | 5.0                                 | <4                              | <4                                | <4                               | <40                             |
| TOTAL VOCs                                                       | NA                                  | 562                             | 70                                | 12                               | 50                              |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable



**ATTACHMENT A - TABLE 1**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - VOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-07-03<br>04/22/19<br>4.0-16.3 | MW-10-03<br>04/22/19<br>2.5-14.0 | MW-11-03<br>04/22/19<br>3.0-15.0 | MW-13-03<br>09/28/18<br>4.8-14.8 |
|------------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>VOCs (ug/L)</b>                                               |                                     |                                  |                                  |                                  |                                  |
| 1,1,1-TRICHLOROETHANE                                            | 5.0                                 | 700                              | 3.8                              | 86                               | 36                               |
| 1,1,2,2-TETRACHLOROETHANE                                        | 5.0                                 | <1                               | <1                               | <1                               | <2                               |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE                            | 5.0                                 | <1                               | <1                               | <1                               | <2                               |
| 1,1,2-TRICHLOROETHANE                                            | 1.0                                 | 1.7                              | <1                               | 0.22                             | <2                               |
| 1,1-DICHLOROETHANE                                               | 5.0                                 | 2500                             | 5.3                              | 230                              | 5                                |
| 1,1-DICHLOROETHENE                                               | 5.0                                 | 8.9                              | <1                               | 0.83                             | <2                               |
| 1,2,4-TRICHLOROBENZENE                                           | 5.0                                 | <1                               | <1                               | <1                               | <2                               |
| 1,2-DIBROMO-3-CHLOROPROPANE                                      | 0.04                                | <10                              | <10                              | <10                              | <2                               |
| 1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)                           | 0.0006                              | <1                               | <1                               | <1                               | <2                               |
| 1,2-DICHLOROBENZENE                                              | 3.0                                 | <1                               | <1                               | <1                               | <2                               |
| 1,2-DICHLOROETHANE                                               | 0.6                                 | 1.1                              | <1                               | <1                               | <2                               |
| 1,2-DICHLOROPROPANE                                              | 1.0                                 | <1                               | <1                               | <1                               | <2                               |
| 1,3-DICHLOROBENZENE                                              | 3.0                                 | <1                               | <1                               | <1                               | <2                               |
| 1,4-DICHLOROBENZENE                                              | 3.0                                 | <1                               | <1                               | <1                               | <2                               |
| 2-HEXANONE                                                       | 50.0                                | <10                              | <10                              | <10                              | <10                              |
| ACETONE                                                          | 50.0                                | 12                               | 3.9                              | 5.1                              | <20                              |
| BENZENE                                                          | 1.0                                 | 3.2                              | <1                               | 6.5                              | <2                               |
| BROMODICHLOROMETHANE                                             | 50.0                                | <1                               | <1                               | <1                               | <2                               |
| BROMOFORM                                                        | 50.0                                | <1                               | <1                               | <1                               | <2                               |
| BROMOMETHANE                                                     | 5.0                                 | <1                               | <1                               | <1                               | <2                               |
| CARBON DISULFIDE                                                 | NS                                  | 0.52                             | <1                               | <1                               | <2                               |
| CARBON TETRACHLORIDE                                             | 5.0                                 | <1                               | <1                               | <1                               | <2                               |
| CHLOROBENZENE                                                    | 5.0                                 | <1                               | <1                               | <1                               | <2                               |
| CHLOROETHANE                                                     | 5.0                                 | 75                               | 4                                | 65                               | <2                               |
| CHLOROFORM                                                       | 7.0                                 | <1                               | <1                               | <1                               | <2                               |
| CHLOROMETHANE                                                    | 5.0                                 | <1                               | <1                               | <1                               | <2                               |
| CIS-1,2-DICHLOROETHYLENE                                         | 5.0                                 | 90                               | 9.7                              | 4.9                              | 54                               |
| CIS-1,3-DICHLOROPROPENE                                          | 0.4                                 | <1                               | <1                               | <1                               | <2                               |
| CYCLOHEXANE                                                      | NS                                  | <5                               | <5                               | 8.2                              | <2                               |
| DIBROMOCHLOROMETHANE                                             | 50.0                                | <1                               | <1                               | <1                               | <2                               |
| DICHLORODIFLUOROMETHANE                                          | 5.0                                 | <1                               | <1                               | <1                               | <2                               |
| ETHYLBENZENE                                                     | 5.0                                 | <1                               | <1                               | 0.23                             | <2                               |
| ISOPROPYLBENZENE (Cumene)                                        | 5.0                                 | <1                               | <1                               | <1                               | <2                               |
| METHYL ACETATE                                                   | NS                                  | <10                              | <10                              | <10                              | <5                               |
| METHYL ETHYL KETONE (2-BUTANONE)                                 | 50.0                                | <50                              | <50                              | <50                              | <20                              |
| METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)                    | NS                                  | <10                              | <10                              | <10                              | <10                              |
| METHYLCYCLOHEXANE                                                | NS                                  | 0.53                             | 0.14                             | 1.5                              | <2                               |
| METHYLENE CHLORIDE                                               | 5.0                                 | <5                               | <5                               | <5                               | <2                               |
| STYRENE                                                          | 5.0                                 | <1                               | <1                               | <1                               | <2                               |
| TERT-BUTYL ALCOHOL                                               | NS                                  | <10                              | <10                              | <10                              | <20                              |
| TERT-BUTYL METHYL ETHER                                          | NS                                  | <1                               | <1                               | <1                               | <2                               |
| TETRACHLOROETHYLENE(PCE)                                         | 5.0                                 | <1                               | <1                               | <1                               | <2                               |
| TOLUENE                                                          | 5.0                                 | 0.2                              | <1                               | 0.18                             | <2                               |
| TRANS-1,2-DICHLOROETHENE                                         | 5.0                                 | 7.3                              | 0.32                             | 1                                | <2                               |
| TRANS-1,3-DICHLOROPROPENE                                        | 0.4                                 | <1                               | <1                               | <1                               | <2                               |
| TRICHLOROETHYLENE (TCE)                                          | 5.0                                 | 6                                | 7.4                              | 2.2                              | 140                              |
| TRICHLOROFLUOROMETHANE                                           | 5.0                                 | <1                               | <1                               | <1                               | <2                               |
| VINYL CHLORIDE                                                   | 2.0                                 | 32                               | 0.79                             | 3                                | <2                               |
| XYLENES, TOTAL                                                   | 5.0                                 | <3                               | <3                               | 0.61                             | <4                               |
| TOTAL VOCs                                                       | NA                                  | 3,438                            | 36                               | 415                              | 235                              |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable



**ATTACHMENT A - TABLE 1**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - VOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-13-03 D<br>09/28/18<br>4.8-14.8 |
|------------------------------------------------------------------|-------------------------------------|------------------------------------|
| <b>VOCs (ug/L)</b>                                               |                                     |                                    |
| 1,1,1-TRICHLOROETHANE                                            | 5.0                                 | 50                                 |
| 1,1,2,2-TETRACHLOROETHANE                                        | 5.0                                 | <2                                 |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE                            | 5.0                                 | <2                                 |
| 1,1,2-TRICHLOROETHANE                                            | 1.0                                 | <2                                 |
| 1,1-DICHLOROETHANE                                               | 5.0                                 | 6                                  |
| 1,1-DICHLOROETHENE                                               | 5.0                                 | <2                                 |
| 1,2,4-TRICHLOROBENZENE                                           | 5.0                                 | <2                                 |
| 1,2-DIBROMO-3-CHLOROPROPANE                                      | 0.04                                | <2                                 |
| 1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)                           | 0.0006                              | <2                                 |
| 1,2-DICHLOROBENZENE                                              | 3.0                                 | <2                                 |
| 1,2-DICHLOROETHANE                                               | 0.6                                 | <2                                 |
| 1,2-DICHLOROPROPANE                                              | 1.0                                 | <2                                 |
| 1,3-DICHLOROBENZENE                                              | 3.0                                 | <2                                 |
| 1,4-DICHLOROBENZENE                                              | 3.0                                 | <2                                 |
| 2-HEXANONE                                                       | 50.0                                | <10                                |
| ACETONE                                                          | 50.0                                | <20                                |
| BENZENE                                                          | 1.0                                 | <2                                 |
| BROMODICHLOROMETHANE                                             | 50.0                                | <2                                 |
| BROMOFORM                                                        | 50.0                                | <2                                 |
| BROMOMETHANE                                                     | 5.0                                 | <2                                 |
| CARBON DISULFIDE                                                 | NS                                  | <2                                 |
| CARBON TETRACHLORIDE                                             | 5.0                                 | <2                                 |
| CHLOROBENZENE                                                    | 5.0                                 | <2                                 |
| CHLOROETHANE                                                     | 5.0                                 | <2                                 |
| CHLOROFORM                                                       | 7.0                                 | <2                                 |
| CHLOROMETHANE                                                    | 5.0                                 | <2                                 |
| CIS-1,2-DICHLOROETHYLENE                                         | 5.0                                 | 57                                 |
| CIS-1,3-DICHLOROPROPENE                                          | 0.4                                 | <2                                 |
| CYCLOHEXANE                                                      | NS                                  | <2                                 |
| DIBROMOCHLOROMETHANE                                             | 50.0                                | <2                                 |
| DICHLORODIFLUOROMETHANE                                          | 5.0                                 | <2                                 |
| ETHYLBENZENE                                                     | 5.0                                 | <2                                 |
| ISOPROPYLBENZENE (Cumene)                                        | 5.0                                 | <2                                 |
| METHYL ACETATE                                                   | NS                                  | <5                                 |
| METHYL ETHYL KETONE (2-BUTANONE)                                 | 50.0                                | <20                                |
| METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)                    | NS                                  | <10                                |
| METHYLCYCLOHEXANE                                                | NS                                  | <2                                 |
| METHYLENE CHLORIDE                                               | 5.0                                 | <2                                 |
| STYRENE                                                          | 5.0                                 | <2                                 |
| TERT-BUTYL ALCOHOL                                               | NS                                  | <20                                |
| TERT-BUTYL METHYL ETHER                                          | NS                                  | <2                                 |
| TETRACHLOROETHYLENE(PCE)                                         | 5.0                                 | <2                                 |
| TOLUENE                                                          | 5.0                                 | <2                                 |
| TRANS-1,2-DICHLOROETHENE                                         | 5.0                                 | <2                                 |
| TRANS-1,3-DICHLOROPROPENE                                        | 0.4                                 | <2                                 |
| TRICHLOROETHYLENE (TCE)                                          | 5.0                                 | 140                                |
| TRICHLOROFLUOROMETHANE                                           | 5.0                                 | <2                                 |
| VINYL CHLORIDE                                                   | 2.0                                 | <2                                 |
| XYLENES, TOTAL                                                   | 5.0                                 | <4                                 |
| TOTAL VOCs                                                       | NA                                  | 253                                |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda

B = Analyte detected in the associated blank.

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**ATTACHMENT A - TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - SVOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | Deep Sump<br>10/05/18<br>10.0-202.5 (OH) | LMW-01<br>04/19/19<br>9.0-20.6 | LMW-02<br>04/19/19<br>9.0-20.3 | LMW-03<br>04/19/19<br>9.0-20.85 | LMW-03 D<br>04/19/19<br>9.0-20.85 |
|------------------------------------------------------------------|-------------------------------------|------------------------------------------|--------------------------------|--------------------------------|---------------------------------|-----------------------------------|
| <b>SVOCs (ug/L)</b>                                              |                                     |                                          |                                |                                |                                 |                                   |
| 2,4,5-TRICHLOROPHENOL                                            | NS                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| 2,4,6-TRICHLOROPHENOL                                            | NS                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| 2,4-DICHLOROPHENOL                                               | 5                                   | <25                                      | <25                            | <5                             | <5                              | <25                               |
| 2,4-DIMETHYLPHENOL                                               | 50                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| 2,4-DINITROPHENOL                                                | 10                                  | <50                                      | <50                            | <10                            | <10                             | <50                               |
| 2,4-DINITROTOLUENE                                               | 5                                   | <25                                      | <25                            | <5                             | <5                              | <25                               |
| 2,6-DINITROTOLUENE                                               | 5                                   | <25                                      | <25                            | <5                             | <5                              | <25                               |
| 2-CHLORONAPHTHALENE                                              | 10                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| 2-CHLOROPHENOL                                                   | 1                                   | <25                                      | <25                            | <5                             | <5                              | <25                               |
| 2-Methylnaphthalene                                              | NS                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| 2-METHYLPHENOL (O-CRESOL)                                        | 1                                   | <25                                      | <25                            | <5                             | <5                              | <25                               |
| 2-NITROANILINE                                                   | 5                                   | <50                                      | <50                            | <10                            | <10                             | <50                               |
| 2-NITROPHENOL                                                    | NS                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| 3,3'-DICHLOROBENZIDINE                                           | 5                                   | <25                                      | <25                            | <5                             | <5                              | <25                               |
| 3-NITROANILINE                                                   | 5                                   | <50                                      | <50                            | <10                            | <10                             | <50                               |
| 4,6-DINITRO-2-METHYLPHENOL                                       | NS                                  | <50                                      | <50                            | <10                            | <10                             | <50                               |
| 4-BROMOPHENYL PHENYL ETHER                                       | NS                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| 4-CHLORO-3-METHYLPHENOL                                          | 1                                   | <25                                      | <25                            | <5                             | <5                              | <25                               |
| 4-CHLOROANILINE                                                  | 5                                   | <25                                      | <25                            | <5                             | <5                              | <25                               |
| 4-CHLOROPHENYL PHENYL ETHER                                      | NS                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| 4-METHYLPHENOL (P-CRESOL)                                        | 1                                   | <50                                      | <50                            | <10                            | <10                             | <50                               |
| 4-NITROANILINE                                                   | 5                                   | <50                                      | <50                            | <10                            | <10                             | <50                               |
| 4-NITROPHENOL                                                    | NS                                  | <50                                      | <50                            | <10                            | <10                             | <50                               |
| ACENAPHTHENE                                                     | 20                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| ACENAPHTHYLENE                                                   | NS                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| ACETOPHENONE                                                     | NS                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| ANTHRACENE                                                       | 50                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| ATRAZINE                                                         | 7.5                                 | <25                                      | <25                            | <5                             | <5                              | <25                               |
| BENZALDEHYDE                                                     | NS                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| BENZO(A)ANTHRACENE                                               | 0.002                               | <25                                      | <25                            | <5                             | <5                              | <25                               |
| BENZO(A)PYRENE                                                   | ND                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| BENZO(B)FLUORANTHENE                                             | 0.002                               | <25                                      | <25                            | <5                             | <5                              | <25                               |
| BENZO(G,H,I)PERYLENE                                             | NS                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| BENZO(K)FLUORANTHENE                                             | 0.002                               | <25                                      | <25                            | <5                             | <5                              | <25                               |
| BENZYL BUTYL PHTHALATE                                           | 50                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| BIPHENYL (DIPHENYL)                                              | 5                                   | <25                                      | <25                            | <5                             | <5                              | <25                               |
| BIS(2-CHLOROETHOXY) METHANE                                      | 5                                   | <25                                      | <25                            | <5                             | <5                              | <25                               |
| BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)                   | 1                                   | <25                                      | <25                            | <5                             | <5                              | <25                               |
| BIS(2-CHLOROISOPROPYL) ETHER                                     | 5                                   | <25                                      | <25                            | <5                             | <5                              | <25                               |
| BIS(2-ETHYLHEXYL) PHTHALATE                                      | 5                                   | <25                                      | <25                            | <5                             | <5                              | <25                               |
| CAPROLACTAM                                                      | NS                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| CARBAZOLE                                                        | NS                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| CHRYSENE                                                         | 0.002                               | <25                                      | <25                            | <5                             | <5                              | <25                               |
| DIBENZ(A,H)ANTHRACENE                                            | NS                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| DIBENZOFURAN                                                     | NS                                  | <50                                      | <50                            | <10                            | <10                             | <50                               |
| DIETHYL PHTHALATE                                                | 50                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| DIMETHYL PHTHALATE                                               | 50                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| DI-N-BUTYL PHTHALATE                                             | 50                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| DI-N-OCTYLPHTHALATE                                              | 50                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| FLUORANTHENE                                                     | 50                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| FLUORENE                                                         | 50                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| HEXACHLORO BENZENE                                               | 0.04                                | <25                                      | <25                            | <5                             | <5                              | <25                               |
| HEXACHLOROBUTADIENE                                              | 0.5                                 | <25                                      | <25                            | <5                             | <5                              | <25                               |
| HEXACHLOROCYCLOPENTADIENE                                        | 5                                   | <25                                      | <25                            | <5                             | <5                              | <25                               |
| HEXACHLOROETHANE                                                 | 5                                   | <25                                      | <25                            | <5                             | <5                              | <25                               |
| INDENO(1,2,3-C,D)PYRENE                                          | 0.002                               | <25                                      | <25                            | <5                             | <5                              | <25                               |
| ISOPHORONE                                                       | 50                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| NAPHTHALENE                                                      | 10                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| NITROBENZENE                                                     | 0.4                                 | <25                                      | <25                            | <5                             | <5                              | <25                               |
| N-NITROSODI-N-PROPYLAMINE                                        | NS                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| N-NITROSODIPHENYLAMINE                                           | 50                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| PENTACHLOROPHENOL                                                | 1                                   | <50                                      | <50                            | <10                            | <10                             | <50                               |
| PHENANTHRENE                                                     | 50                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| PHENOL                                                           | 1                                   | <25                                      | <25                            | <5                             | <5                              | <25                               |
| PYRENE                                                           | 50                                  | <25                                      | <25                            | <5                             | <5                              | <25                               |
| <b>TOTAL SVOCs</b>                                               | <b>NA</b>                           | <b>ND</b>                                | <b>ND</b>                      | <b>ND</b>                      | <b>ND</b>                       | <b>ND</b>                         |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**ATTACHMENT A - TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - SVOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-01-94<br>09/26/18<br>3.0-13.0 | MW-01-10<br>09/27/18<br>7.4-17.4 | MW-02-94<br>10/01/18<br>5.0-10.0 | MW-02-02<br>10/04/18<br>6.9-11.9 | MW-02-10<br>09/27/18<br>5.8-15.7 |
|------------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>SVOCs (ug/L)</b>                                              |                                     |                                  |                                  |                                  |                                  |                                  |
| 2,4,5-TRICHLOROPHENOL                                            | NS                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| 2,4,6-TRICHLOROPHENOL                                            | NS                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| 2,4-DICHLOROPHENOL                                               | 5                                   | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| 2,4-DIMETHYLPHENOL                                               | 50                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| 2,4-DINITROPHENOL                                                | 10                                  | <10                              | <10                              | <10                              | <50                              | <10                              |
| 2,4-DINITROTOLUENE                                               | 5                                   | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| 2,6-DINITROTOLUENE                                               | 5                                   | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| 2-CHLORONAPHTHALENE                                              | 10                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| 2-CHLOROPHENOL                                                   | 1                                   | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| 2-Methylnaphthalene                                              | NS                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| 2-METHYLPHENOL (O-CRESOL)                                        | 1                                   | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| 2-NITROANILINE                                                   | 5                                   | <10                              | <10                              | <10                              | <50                              | <10                              |
| 2-NITROPHENOL                                                    | NS                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| 3,3'-DICHLORO BENZIDINE                                          | 5                                   | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| 3-NITROANILINE                                                   | 5                                   | <10                              | <10                              | <10                              | <50                              | <10                              |
| 4,6-DINITRO-2-METHYLPHENOL                                       | NS                                  | <10                              | <10                              | <10                              | <50                              | <10                              |
| 4-BROMOPHENYL PHENYL ETHER                                       | NS                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| 4-CHLORO-3-METHYLPHENOL                                          | 1                                   | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| 4-CHLOROANILINE                                                  | 5                                   | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| 4-CHLOROPHENYL PHENYL ETHER                                      | NS                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| 4-METHYLPHENOL (P-CRESOL)                                        | 1                                   | <10                              | <10                              | <10                              | <50                              | <10                              |
| 4-NITROANILINE                                                   | 5                                   | <10                              | <10                              | <10                              | <50                              | <10                              |
| 4-NITROPHENOL                                                    | NS                                  | <10                              | <10                              | <10                              | <50                              | <10                              |
| ACENAPHTHENE                                                     | 20                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| ACENAPHTHYLENE                                                   | NS                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| ACETOPHENONE                                                     | NS                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| ANTHRACENE                                                       | 50                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| ATRAZINE                                                         | 7.5                                 | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| BENZALDEHYDE                                                     | NS                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| BENZO(A)ANTHRACENE                                               | 0.002                               | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| BENZO(A)PYRENE                                                   | ND                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| BENZO(B)FLUORANTHENE                                             | 0.002                               | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| BENZO(G,H,I)PERYLENE                                             | NS                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| BENZO(K)FLUORANTHENE                                             | 0.002                               | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| BENZYL BUTYL PHTHALATE                                           | 50                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| BIPHENYL (DIPHENYL)                                              | 5                                   | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| BIS(2-CHLOROETHOXY) METHANE                                      | 5                                   | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)                   | 1                                   | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| BIS(2-CHLOROISOPROPYL) ETHER                                     | 5                                   | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| BIS(2-ETHYLHEXYL) PHTHALATE                                      | 5                                   | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| CAPROLACTAM                                                      | NS                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| CARBAZOLE                                                        | NS                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| CHRYSENE                                                         | 0.002                               | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| DIBENZ(A,H)ANTHRACENE                                            | NS                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| DIBENZOFURAN                                                     | NS                                  | <10                              | <10                              | <10                              | <50                              | <10                              |
| DIETHYL PHTHALATE                                                | 50                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| DIMETHYL PHTHALATE                                               | 50                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| DI-N-BUTYL PHTHALATE                                             | 50                                  | 0.47                             | 0.46                             | 0.51                             | <25                              | 0.48                             |
| DI-N-OCTYLPHTHALATE                                              | 50                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| FLUORANTHENE                                                     | 50                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| FLUORENE                                                         | 50                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| HEXACHLORO BENZENE                                               | 0.04                                | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| HEXACHLOROBUTADIENE                                              | 0.5                                 | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| HEXACHLOROCYCLOPENTADIENE                                        | 5                                   | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| HEXACHLOROETHANE                                                 | 5                                   | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| INDENO(1,2,3-C,D)PYRENE                                          | 0.002                               | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| ISOPHORONE                                                       | 50                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| NAPHTHALENE                                                      | 10                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| NITROBENZENE                                                     | 0.4                                 | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| N-NITROSODI-N-PROPYLAMINE                                        | NS                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| N-NITROSODIPHENYLAMINE                                           | 50                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| PENTACHLOROPHENOL                                                | 1                                   | <10                              | <10                              | <10                              | <50                              | <10                              |
| PHENANTHRENE                                                     | 50                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| PHENOL                                                           | 1                                   | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| PYRENE                                                           | 50                                  | <5                               | <5.2                             | <5                               | <25                              | <5.2                             |
| <b>TOTAL SVOCs</b>                                               | <b>NA</b>                           | <b>0.47</b>                      | <b>0.46</b>                      | <b>1</b>                         | <b>ND</b>                        | <b>0.48</b>                      |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**ATTACHMENT A - TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - SVOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-03-10<br>09/27/18<br>5.5-15.5 | MW-04-02<br>10/02/18<br>4.5-9.5 | MW-05-94<br>10/02/18<br>3.8-8.9 | MW-06-94<br>09/25/18<br>11.5-15.9 | MW-06-10<br>09/28/18<br>9.1-19.4 |
|------------------------------------------------------------------|-------------------------------------|----------------------------------|---------------------------------|---------------------------------|-----------------------------------|----------------------------------|
| <b>SVOCs (ug/L)</b>                                              |                                     |                                  |                                 |                                 |                                   |                                  |
| 2,4,5-TRICHLOROPHENOL                                            | NS                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| 2,4,6-TRICHLOROPHENOL                                            | NS                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| 2,4-DICHLOROPHENOL                                               | 5                                   | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| 2,4-DIMETHYLPHENOL                                               | 50                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| 2,4-DINITROPHENOL                                                | 10                                  | <10                              | <50                             | <10                             | <10                               | <52                              |
| 2,4-DINITROTOLUENE                                               | 5                                   | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| 2,6-DINITROTOLUENE                                               | 5                                   | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| 2-CHLORONAPHTHALENE                                              | 10                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| 2-CHLOROPHENOL                                                   | 1                                   | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| 2-Methylnaphthalene                                              | NS                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| 2-METHYLPHENOL (O-CRESOL)                                        | 1                                   | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| 2-NITROANILINE                                                   | 5                                   | <10                              | <50                             | <10                             | <10                               | <52                              |
| 2-NITROPHENOL                                                    | NS                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| 3,3'-DICHLORO BENZIDINE                                          | 5                                   | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| 3-NITROANILINE                                                   | 5                                   | <10                              | <50                             | <10                             | <10                               | <52                              |
| 4,6-DINITRO-2-METHYLPHENOL                                       | NS                                  | <10                              | <50                             | <10                             | <10                               | <52                              |
| 4-BROMOPHENYL PHENYL ETHER                                       | NS                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| 4-CHLORO-3-METHYLPHENOL                                          | 1                                   | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| 4-CHLOROANILINE                                                  | 5                                   | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| 4-CHLOROPHENYL PHENYL ETHER                                      | NS                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| 4-METHYLPHENOL (P-CRESOL)                                        | 1                                   | <10                              | <50                             | <10                             | <10                               | <52                              |
| 4-NITROANILINE                                                   | 5                                   | <10                              | <50                             | <10                             | <10                               | <52                              |
| 4-NITROPHENOL                                                    | NS                                  | <10                              | <50                             | <10                             | <10                               | <52                              |
| ACENAPHTHENE                                                     | 20                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| ACENAPHTHYLENE                                                   | NS                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| ACETOPHENONE                                                     | NS                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| ANTHRACENE                                                       | 50                                  | <5.2                             | <25                             | 0.37 J                          | <5                                | <26                              |
| ATRAZINE                                                         | 7.5                                 | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| BENZALDEHYDE                                                     | NS                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| BENZO(A)ANTHRACENE                                               | 0.002                               | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| BENZO(A)PYRENE                                                   | ND                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| BENZO(B)FLUORANTHENE                                             | 0.002                               | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| BENZO(G,H,I)PERYLENE                                             | NS                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| BENZO(K)FLUORANTHENE                                             | 0.002                               | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| BENZYL BUTYL PHTHALATE                                           | 50                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| BIPHENYL (DIPHENYL)                                              | 5                                   | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| BIS(2-CHLOROETHOXY) METHANE                                      | 5                                   | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)                   | 1                                   | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| BIS(2-CHLOROISOPROPYL) ETHER                                     | 5                                   | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| BIS(2-ETHYLHEXYL) PHTHALATE                                      | 5                                   | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| CAPROLACTAM                                                      | NS                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| CARBAZOLE                                                        | NS                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| CHRYSENE                                                         | 0.002                               | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| DIBENZ(A,H)ANTHRACENE                                            | NS                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| DIBENZOFURAN                                                     | NS                                  | <10                              | <50                             | <10                             | <10                               | <52                              |
| DIETHYL PHTHALATE                                                | 50                                  | 0.55 J                           | <25                             | <5                              | <5                                | <26                              |
| DIMETHYL PHTHALATE                                               | 50                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| DI-N-BUTYL PHTHALATE                                             | 50                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| DI-N-OCTYLPHTHALATE                                              | 50                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| FLUORANTHENE                                                     | 50                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| FLUORENE                                                         | 50                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| HEXACHLORO BENZENE                                               | 0.04                                | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| HEXACHLOROBUTADIENE                                              | 0.5                                 | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| HEXACHLOROCYCLOPENTADIENE                                        | 5                                   | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| HEXACHLOROETHANE                                                 | 5                                   | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| INDENO(1,2,3-C,D)PYRENE                                          | 0.002                               | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| ISOPHORONE                                                       | 50                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| NAPHTHALENE                                                      | 10                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| NITROBENZENE                                                     | 0.4                                 | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| N-NITROSODI-N-PROPYLAMINE                                        | NS                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| N-NITROSODIPHENYLAMINE                                           | 50                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| PENTACHLOROPHENOL                                                | 1                                   | <10                              | <50                             | <10                             | <10                               | <52                              |
| PHENANTHRENE                                                     | 50                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| PHENOL                                                           | 1                                   | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| PYRENE                                                           | 50                                  | <5.2                             | <25                             | <5                              | <5                                | <26                              |
| <b>TOTAL SVOCs</b>                                               | <b>NA</b>                           | <b>1</b>                         | <b>ND</b>                       | <b>0.37</b>                     | <b>ND</b>                         | <b>ND</b>                        |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**ATTACHMENT A - TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - SVOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-07-94<br>10/18/18<br>5.4-8.4 | MW-07-03<br>04/22/19<br>4.0-16.3 | MW-10-03<br>04/22/19<br>2.5-14.0 | MW-11-03<br>04/22/19<br>3.0-15.0 | MW-13-03<br>09/28/18<br>4.8-14.8 |      |    |    |
|------------------------------------------------------------------|-------------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|------|----|----|
| SVOCs (ug/L)                                                     |                                     |                                 |                                  |                                  |                                  |                                  |      |    |    |
| 2,4,5-TRICHLOROPHENOL                                            | NS                                  | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| 2,4,6-TRICHLOROPHENOL                                            | NS                                  | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| 2,4-DICHLOROPHENOL                                               | 5                                   | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| 2,4-DIMETHYLPHENOL                                               | 50                                  | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| 2,4-DINITROPHENOL                                                | 10                                  | <10                             | <500                             | <50                              | <200                             | <10                              |      |    |    |
| 2,4-DINITROTOLUENE                                               | 5                                   | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| 2,6-DINITROTOLUENE                                               | 5                                   | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| 2-CHLORONAPHTHALENE                                              | 10                                  | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| 2-CHLOROPHENOL                                                   | 1                                   | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| 2-Methylnaphthalene                                              | NS                                  | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| 2-METHYLPHENOL (O-CRESOL)                                        | 1                                   | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| 2-NITROANILINE                                                   | 5                                   | <10                             | <500                             | <50                              | <200                             | <10                              |      |    |    |
| 2-NITROPHENOL                                                    | NS                                  | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| 3,3'-DICHLOROBENZIDINE                                           | 5                                   | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| 3-NITROANILINE                                                   | 5                                   | <10                             | <500                             | <50                              | <200                             | <10                              |      |    |    |
| 4,6-DINITRO-2-METHYLPHENOL                                       | NS                                  | <10                             | <500                             | <50                              | <200                             | <10                              |      |    |    |
| 4-BROMOPHENYL PHENYL ETHER                                       | NS                                  | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| 4-CHLORO-3-METHYLPHENOL                                          | 1                                   | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| 4-CHLOROANILINE                                                  | 5                                   | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| 4-CHLOROPHENYL PHENYL ETHER                                      | NS                                  | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| 4-METHYLPHENOL (P-CRESOL)                                        | 1                                   | <10                             | <500                             | <50                              | <200                             | <10                              |      |    |    |
| 4-NITROANILINE                                                   | 5                                   | <10                             | <500                             | <50                              | <200                             | <10                              |      |    |    |
| 4-NITROPHENOL                                                    | NS                                  | <10                             | <500                             | <50                              | <200                             | <10                              |      |    |    |
| ACENAPHTHENE                                                     | 20                                  | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| ACENAPHTHYLENE                                                   | NS                                  | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| ACETOPHENONE                                                     | NS                                  | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| ANTHRACENE                                                       | 50                                  | <5                              | 17                               | J                                | <25                              | <5                               |      |    |    |
| ATRAZINE                                                         | 7.5                                 | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| BENZALDEHYDE                                                     | NS                                  | <5                              | <250                             | <25                              | <100                             | <5                               |      |    |    |
| BENZO(A)ANTHRACENE                                               | 0.002                               | <5                              | 38                               | J                                | <25                              | <5                               |      |    |    |
| BENZO(A)PYRENE                                                   | ND                                  | <5                              | 40                               | J                                | <25                              | <5                               |      |    |    |
| BENZO(B)FLUORANTHENE                                             | 0.002                               | <5                              | 57                               | J                                | 2.5                              | J                                | <5   |    |    |
| BENZO(G,H,I)PERYLENE                                             | NS                                  | <5                              | 31                               | J                                | <25                              | 8.3                              | J    | <5 |    |
| BENZO(K)FLUORANTHENE                                             | 0.002                               | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| BENZYL BUTYL PHTHALATE                                           | 50                                  | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| BIPHENYL (DIPHENYL)                                              | 5                                   | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| BIS(2-CHLOROETHOXY) METHANE                                      | 5                                   | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)                   | 1                                   | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| BIS(2-CHLOROISOPROPYL) ETHER                                     | 5                                   | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| BIS(2-ETHYLHEXYL) PHTHALATE                                      | 5                                   | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| CAPROLACTAM                                                      | NS                                  | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| CARBAZOLE                                                        | NS                                  | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| CHRYSENE                                                         | 0.002                               | <5                              | 47                               | J                                | <25                              | 7.5                              | J    | <5 |    |
| DIBENZ(A,H)ANTHRACENE                                            | NS                                  | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| DIBENZOFURAN                                                     | NS                                  | <10                             | <500                             | <50                              | <50                              | <200                             | <10  |    |    |
| DIETHYL PHTHALATE                                                | 50                                  | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| DIMETHYL PHTHALATE                                               | 50                                  | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| DI-N-BUTYL PHTHALATE                                             | 50                                  | <5                              | <250                             | <25                              | <25                              | <100                             | 0.45 | BJ |    |
| DI-N-OCTYLPHTHALATE                                              | 50                                  | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| FLUORANTHENE                                                     | 50                                  | <5                              | 89                               | J                                | 2.1                              | J                                | 12   | J  | <5 |
| FLUORENE                                                         | 50                                  | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| HEXACHLOROENZENE                                                 | 0.04                                | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| HEXACHLOROBUTADIENE                                              | 0.5                                 | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| HEXACHLOROCYCLOPENTADIENE                                        | 5                                   | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| HEXACHLOROETHANE                                                 | 5                                   | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| INDENO(1,2,3-C,D)PYRENE                                          | 0.002                               | <5                              | 27                               | J                                | <25                              | <100                             | <5   |    |    |
| ISOPHORONE                                                       | 50                                  | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| NAPHTHALENE                                                      | 10                                  | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| NITROBENZENE                                                     | 0.4                                 | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| N-NITROSODI-N-PROPYLAMINE                                        | NS                                  | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| N-NITROSODIPHENYLAMINE                                           | 50                                  | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| PENTACHLOROPHENOL                                                | 1                                   | <10                             | <500                             | <50                              | <50                              | <200                             | <10  |    |    |
| PHENANTHRENE                                                     | 50                                  | <5                              | 59                               | J                                | <25                              | <100                             | <5   |    |    |
| PHENOL                                                           | 1                                   | <5                              | <250                             | <25                              | <25                              | <100                             | <5   |    |    |
| PYRENE                                                           | 50                                  | <5                              | 65                               | J                                | <25                              | 9                                | J    | <5 |    |
| TOTAL SVOCs                                                      | NA                                  | ND                              | 470                              | 5                                | 49                               | 0.45                             |      |    |    |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**ATTACHMENT A - TABLE 2**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - SVOCs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Sand-Pack Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-13-03 D<br>09/28/18<br>4.8-14.8 |    |
|------------------------------------------------------------------|-------------------------------------|------------------------------------|----|
| <b>SVOCs (ug/L)</b>                                              |                                     |                                    |    |
| 2,4,5-TRICHLOROPHENOL                                            | NS                                  | <5                                 |    |
| 2,4,6-TRICHLOROPHENOL                                            | NS                                  | <5                                 |    |
| 2,4-DICHLOROPHENOL                                               | 5                                   | <5                                 |    |
| 2,4-DIMETHYLPHENOL                                               | 50                                  | <5                                 |    |
| 2,4-DINITROPHENOL                                                | 10                                  | <10                                |    |
| 2,4-DINITROTOLUENE                                               | 5                                   | <5                                 |    |
| 2,6-DINITROTOLUENE                                               | 5                                   | <5                                 |    |
| 2-CHLORONAPHTHALENE                                              | 10                                  | <5                                 |    |
| 2-CHLOROPHENOL                                                   | 1                                   | <5                                 |    |
| 2-Methylnaphthalene                                              | NS                                  | <5                                 |    |
| 2-METHYLPHENOL (O-CRESOL)                                        | 1                                   | <5                                 |    |
| 2-NITROANILINE                                                   | 5                                   | <10                                |    |
| 2-NITROPHENOL                                                    | NS                                  | <5                                 |    |
| 3,3'-DICHLORO BENZIDINE                                          | 5                                   | <5                                 |    |
| 3-NITROANILINE                                                   | 5                                   | <10                                |    |
| 4,6-DINITRO-2-METHYLPHENOL                                       | NS                                  | <10                                |    |
| 4-BROMOPHENYL PHENYL ETHER                                       | NS                                  | <5                                 |    |
| 4-CHLORO-3-METHYLPHENOL                                          | 1                                   | <5                                 |    |
| 4-CHLOROANILINE                                                  | 5                                   | <5                                 |    |
| 4-CHLOROPHENYL PHENYL ETHER                                      | NS                                  | <5                                 |    |
| 4-METHYLPHENOL (P-CRESOL)                                        | 1                                   | <10                                |    |
| 4-NITROANILINE                                                   | 5                                   | <10                                |    |
| 4-NITROPHENOL                                                    | NS                                  | <10                                |    |
| ACENAPHTHENE                                                     | 20                                  | <5                                 |    |
| ACENAPHTHYLENE                                                   | NS                                  | <5                                 |    |
| ACETOPHENONE                                                     | NS                                  | <5                                 |    |
| ANTHRACENE                                                       | 50                                  | <5                                 |    |
| ATRAZINE                                                         | 7.5                                 | <5                                 |    |
| BENZALDEHYDE                                                     | NS                                  | <5                                 |    |
| BENZO(A)ANTHRACENE                                               | 0.002                               | <5                                 |    |
| BENZO(A)PYRENE                                                   | ND                                  | <5                                 |    |
| BENZO(B)FLUORANTHENE                                             | 0.002                               | <5                                 |    |
| BENZO(G,H,I)PERYLENE                                             | NS                                  | <5                                 |    |
| BENZO(K)FLUORANTHENE                                             | 0.002                               | <5                                 |    |
| BENZYL BUTYL PHTHALATE                                           | 50                                  | <5                                 |    |
| BIPHENYL (DIPHENYL)                                              | 5                                   | <5                                 |    |
| BIS(2-CHLOROETHOXY) METHANE                                      | 5                                   | <5                                 |    |
| BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)                   | 1                                   | <5                                 |    |
| BIS(2-CHLOROISOPROPYL) ETHER                                     | 5                                   | <5                                 |    |
| BIS(2-ETHYLHEXYL) PHTHALATE                                      | 5                                   | <5                                 |    |
| CAPROLACTAM                                                      | NS                                  | <5                                 |    |
| CARBAZOLE                                                        | NS                                  | <5                                 |    |
| CHRYSENE                                                         | 0.002                               | <5                                 |    |
| DIBENZ(A,H)ANTHRACENE                                            | NS                                  | <5                                 |    |
| DIBENZOFURAN                                                     | NS                                  | <10                                |    |
| DIETHYL PHTHALATE                                                | 50                                  | <5                                 |    |
| DIMETHYL PHTHALATE                                               | 50                                  | <5                                 |    |
| DI-N-BUTYL PHTHALATE                                             | 50                                  | 0.52                               | B1 |
| DI-N-OCTYLPHTHALATE                                              | 50                                  | <5                                 |    |
| FLUORANTHENE                                                     | 50                                  | <5                                 |    |
| FLUORENE                                                         | 50                                  | <5                                 |    |
| HEXACHLORO BENZENE                                               | 0.04                                | <5                                 |    |
| HEXACHLOROBUTADIENE                                              | 0.5                                 | <5                                 |    |
| HEXACHLOROCYCLOPENTADIENE                                        | 5                                   | <5                                 |    |
| HEXACHLOROETHANE                                                 | 5                                   | <5                                 |    |
| INDENO(1,2,3-C,D)PYRENE                                          | 0.002                               | <5                                 |    |
| ISOPHORONE                                                       | 50                                  | <5                                 |    |
| NAPHTHALENE                                                      | 10                                  | <5                                 |    |
| NITROBENZENE                                                     | 0.4                                 | <5                                 |    |
| N-NITROSODI-N-PROPYLAMINE                                        | NS                                  | <5                                 |    |
| N-NITROSODIPHENYLAMINE                                           | 50                                  | <5                                 |    |
| PENTACHLOROPHENOL                                                | 1                                   | <10                                |    |
| PHENANTHRENE                                                     | 50                                  | <5                                 |    |
| PHENOL                                                           | 1                                   | <5                                 |    |
| PYRENE                                                           | 50                                  | <5                                 |    |
| TOTAL SVOCs                                                      | NA                                  | 1                                  |    |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below the reporting limit.

ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NA = Not Applicable

**ATTACHMENT A - TABLE 3**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - METALS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | Deep Sump<br>10/05/18<br>10.0-202.5 (OH) | LMW-01<br>04/22/19<br>9.0-20.6 | LMW-02<br>04/19/19<br>9.0-20.3 | LMW-03<br>04/19/19<br>9.0-20.85 |
|---------------------------------------------------------------|-------------------------------------|------------------------------------------|--------------------------------|--------------------------------|---------------------------------|
| <b>Metals (mg/L)</b>                                          |                                     |                                          |                                |                                |                                 |
| ALUMINUM                                                      | 2.0                                 | <0.2                                     | <0.2                           | 0.9                            | <0.2                            |
| ANTIMONY                                                      | 0.003                               | <0.02                                    | <0.02                          | <0.02                          | <0.02                           |
| ARSENIC                                                       | 0.025                               | <0.015                                   | 0.022                          | <0.015                         | <0.015                          |
| BARIUM                                                        | 1.0                                 | 0.031                                    | 0.047                          | 0.058 B                        | 0.073 B                         |
| BERYLLIUM                                                     | 0.003                               | <0.002                                   | <0.002                         | <0.002                         | <0.002                          |
| CADMIUM                                                       | 0.005                               | <0.002                                   | <0.002                         | <0.002                         | <0.002                          |
| CALCIUM                                                       | NS                                  | 89.2                                     | 89.5                           | 83 0                           | 90.6                            |
| CHROMIUM, TOTAL                                               | 0.05                                | 0.0072                                   | 0.0021 J                       | 0.032                          | 0.0026 J                        |
| COBALT                                                        | 0.11                                | <0.004                                   | <0.004                         | <0.004                         | <0.004                          |
| COPPER                                                        | 0.2                                 | 0.01                                     | 0.0068 J                       | 0.013 B                        | <0.01                           |
| IRON                                                          | 0.3                                 | 1.7                                      | 0.29                           | 1.1                            | 0.12                            |
| LEAD                                                          | 0.025                               | <0.01                                    | <0.01                          | <0.01                          | <0.01                           |
| MAGNESIUM                                                     | 35.0                                | 9.4                                      | 11.5                           | 6.6                            | 23.2                            |
| MANGANESE                                                     | 0.3                                 | 0.41 B                                   | 0.05                           | 0.028                          | 0.069                           |
| NICKEL                                                        | 0.1                                 | 0.0044 J                                 | 0.0081 J                       | 0.01                           | 0.0026 J                        |
| POTASSIUM                                                     | NS                                  | 2.8                                      | 3.4                            | 11.4                           | 4.9                             |
| SELENIUM                                                      | 0.01                                | <0.025                                   | <0.025                         | <0.025                         | <0.025                          |
| SILVER                                                        | 0.05                                | <0.006                                   | <0.006                         | <0.006                         | <0.006                          |
| SODIUM                                                        | 20.0                                | 17.6                                     | 195                            | 89.4                           | 38.4                            |
| THALLIUM                                                      | 0.0005                              | <0.02                                    | <0.02                          | <0.02                          | <0.02                           |
| VANADIUM                                                      | NS                                  | <0.005                                   | <0.005                         | 0.0094                         | <0.005                          |
| ZINC                                                          | 2.0                                 | 0.33 B                                   | 0.0091 J                       | 0.013                          | 0.016                           |
| MERCURY                                                       | 0.0007                              | <0.0002                                  | <0.0002                        | <0.0002                        | <0.0002                         |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

+ = Results of filtered samples.

B = Analyte detected in the associated blank, as well as in the sample (organics); value is greater than or equal to the

J = Compound reported at an estimated concentration below

B = Analyte detected in the associated blank.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NS = No Standard and shaded values exceed NYSDEC groundwater standards or guidance values.

**ATTACHMENT A - TABLE 3**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - METALS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard • | LMW-03 (DUP)<br>04/19/19<br>9.0-20.85 | MW-01-94<br>09/26/18<br>3.0-13.0 | MW-01-10<br>09/27/18<br>7.4-17.4 | MW-02-94<br>10/01/18<br>5.0-10.0 |
|---------------------------------------------------------------|-------------------------------------|---------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>Metals (mg/L)</b>                                          |                                     |                                       |                                  |                                  |                                  |
| ALUMINUM                                                      | 2.0                                 | <0.2                                  | <0.2                             | <0.2                             | <0.2                             |
| ANTIMONY                                                      | 0.003                               | <0.02                                 | <0.02                            | <0.02                            | <0.02                            |
| ARSENIC                                                       | 0.025                               | 0.012 J                               | 0.009 J                          | <0.015                           | <0.015                           |
| BARIUM                                                        | 1.0                                 | 0.078 B                               | 0.015                            | 0.024                            | 0.044                            |
| BERYLLIUM                                                     | 0.003                               | <0.002                                | <0.002                           | <0.002                           | <0.002                           |
| CADMIUM                                                       | 0.005                               | <0.002                                | <0.002                           | <0.002                           | <0.002                           |
| CALCIUM                                                       | NS                                  | 94                                    | 87.3                             | 65.5                             | 92.7                             |
| CHROMIUM, TOTAL                                               | 0.05                                | 0.0028 J                              | <0.004                           | 0.0023 J                         | <0.004                           |
| COBALT                                                        | 0.11                                | <0.004                                | 0.00081 J                        | <0.004                           | <0.004                           |
| COPPER                                                        | 0.2                                 | 0.002 B                               | 0.012                            | <0.01                            | <0.01                            |
| IRON                                                          | 0.3                                 | 1.4                                   | 0.022 J                          | <0.05                            | 2                                |
| LEAD                                                          | 0.025                               | <0.01                                 | <0.01                            | <0.01                            | <0.01                            |
| MAGNESIUM                                                     | 35.0                                | 24.2                                  | 6.7                              | 10.3                             | 11.4                             |
| MANGANESE                                                     | 0.3                                 | 0.081                                 | 0.0053 B                         | <0.003                           | 0.82                             |
| NICKEL                                                        | 0.1                                 | 0.0026 J                              | 0.0052 J                         | 0.0013 J                         | <0.01                            |
| POTASSIUM                                                     | NS                                  | 5.2                                   | 2.8                              | 3.3                              | 4.1                              |
| SELENIUM                                                      | 0.01                                | <0.025                                | <0.025                           | <0.025                           | <0.025                           |
| SILVER                                                        | 0.05                                | <0.006                                | <0.006                           | <0.006                           | <0.006                           |
| SODIUM                                                        | 20.0                                | 40.1                                  | 4.7                              | 84.3                             | 19                               |
| THALLIUM                                                      | 0.0005                              | <0.02                                 | <0.02                            | <0.02                            | <0.02                            |
| VANADIUM                                                      | NS                                  | <0.005                                | 0.0016 J                         | <0.005                           | <0.005                           |
| ZINC                                                          | 2.0                                 | 0.016                                 | 0.0063 B                         | 0.0054 B                         | 0.0059 B                         |
| MERCURY                                                       | 0.0007                              | <0.0002                               | <0.0002                          | <0.0002                          | <0.0002                          |

Notes:

• = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

+ = Results of filtered samples.

B = Analyte detected in the associated blank, as well as in the sample (organics); value is greater than or equal to the

J = Compound reported at an estimated concentration below

B = Analyte detected in the associated blank.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NS = No Standard and shaded values exceed NYSDEC groundwater standards or guidance values.



**ATTACHMENT A - TABLE 3**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - METALS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard • | MW-02-02<br>10/04/18<br>6.9-11.9 | MW-02-10<br>09/27/18<br>5.8-15.7 | MW-03-10<br>09/27/18<br>5.5-15.5 | MW-04-02<br>10/02/18<br>4.5-9.5 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|---------------------------------|
| <b>Metals (mg/L)</b>                                          |                                     |                                  |                                  |                                  |                                 |
| ALUMINUM                                                      | 2.0                                 | <0.2                             | <0.2                             | <0.2                             | <0.2                            |
| ANTIMONY                                                      | 0.003                               | <0.02                            | <0.02                            | <0.02                            | <0.02                           |
| ARSENIC                                                       | 0.025                               | <0.015                           | <0.015                           | <0.015                           | <0.015                          |
| BARIUM                                                        | 1.0                                 | 0.08                             | 0.028                            | 0.033                            | 0.031                           |
| BERYLLIUM                                                     | 0.003                               | <0.002                           | <0.002                           | <0.002                           | <0.002                          |
| CADMIUM                                                       | 0.005                               | <0.002                           | <0.002                           | <0.002                           | <0.002                          |
| CALCIUM                                                       | NS                                  | 119                              | 76.9                             | 116                              | 104                             |
| CHROMIUM, TOTAL                                               | 0.05                                | <0.004                           | 0.024                            | <0.004                           | 0.001 J                         |
| COBALT                                                        | 0.11                                | <0.004                           | <0.004                           | <0.004                           | <0.004                          |
| COPPER                                                        | 0.2                                 | <0.01                            | <0.01                            | <0.01                            | <0.01                           |
| IRON                                                          | 0.3                                 | 0.042 J                          | <0.05                            | 0.03 J                           | 0.48                            |
| LEAD                                                          | 0.025                               | <0.01                            | <0.01                            | <0.01                            | <0.01                           |
| MAGNESIUM                                                     | 35.0                                | 11.9                             | 12.8                             | 19                               | 13.2                            |
| MANGANESE                                                     | 0.3                                 | 0.034 B                          | <0.003                           | 0.016                            | 0.5                             |
| NICKEL                                                        | 0.1                                 | 0.0037 J                         | 0.0013 J                         | <0.01                            | <0.01                           |
| POTASSIUM                                                     | NS                                  | 12.9                             | 3.2                              | 5.1                              | 3.8                             |
| SELENIUM                                                      | 0.01                                | <0.025                           | <0.025                           | <0.025                           | <0.025                          |
| SILVER                                                        | 0.05                                | <0.006                           | <0.006                           | <0.006                           | <0.006                          |
| SODIUM                                                        | 20.0                                | 37.8                             | 73.5                             | 108                              | 27                              |
| THALLIUM                                                      | 0.0005                              | <0.02                            | <0.02                            | <0.02                            | <0.02                           |
| VANADIUM                                                      | NS                                  | <0.005                           | <0.005                           | <0.005                           | <0.005                          |
| ZINC                                                          | 2.0                                 | 0.0092 J                         | 0.0054 B                         | 0.0046 B                         | 0.0025 B                        |
| MERCURY                                                       | 0.0007                              | <0.0002                          | <0.0002                          | <0.0002                          | <0.0002                         |

Notes:

• = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

+ = Results of filtered samples.

B = Analyte detected in the associated blank, as well as in the sample (organics); value is greater than or equal to the

J = Compound reported at an estimated concentration below

B = Analyte detected in the associated blank.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NS = No Standard and shaded values exceed NYSDEC groundwater standards or guidance values.

**ATTACHMENT A - TABLE 3**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - METALS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-05-94<br>10/02/18<br>3.8-8.9 | MW-06-94<br>09/25/18<br>11.5-15.9 | MW-06-10<br>09/28/18<br>9.1-19.4 | MW-07-94<br>10/18/18<br>5.4-8.4 |
|---------------------------------------------------------------|-------------------------------------|---------------------------------|-----------------------------------|----------------------------------|---------------------------------|
| <b>Metals (mg/L)</b>                                          |                                     |                                 |                                   |                                  |                                 |
| ALUMINUM                                                      | 2.0                                 | <0.2                            | <0.2                              | <0.2                             | <0.2                            |
| ANTIMONY                                                      | 0.003                               | <0.02                           | <0.02                             | <0.02                            | <0.02                           |
| ARSENIC                                                       | 0.025                               | <0.015                          | <0.015                            | <0.015                           | <0.015                          |
| BARIUM                                                        | 1.0                                 | 0.051                           | 0.064 B                           | 0.036                            | 0.049                           |
| BERYLLIUM                                                     | 0.003                               | <0.002                          | <0.002                            | <0.002                           | <0.002                          |
| CADMIUM                                                       | 0.005                               | <0.002                          | <0.002                            | <0.002                           | <0.002                          |
| CALCIUM                                                       | NS                                  | 126                             | 137                               | 88.5                             | 77                              |
| CHROMIUM, TOTAL                                               | 0.05                                | <0.004                          | <0.004                            | <0.004                           | 0.0016 J                        |
| COBALT                                                        | 0.11                                | <0.004                          | 0.001 J                           | <0.004                           | 0.0055                          |
| COPPER                                                        | 0.2                                 | <0.01                           | <0.01                             | 0.0033 J                         | 0.0018 J                        |
| IRON                                                          | 0.3                                 | 1.4                             | 0.93                              | 0.021 J                          | 0.037 J                         |
| LEAD                                                          | 0.025                               | <0.01                           | <0.01                             | <0.01                            | <0.01                           |
| MAGNESIUM                                                     | 35.0                                | 19.2                            | 27.9                              | 11.1                             | 7.6                             |
| MANGANESE                                                     | 0.3                                 | 0.26                            | 0.51 B                            | 0.026                            | 0.24                            |
| NICKEL                                                        | 0.1                                 | <0.01                           | 0.0051 J                          | 0.0018 J                         | 0.13                            |
| POTASSIUM                                                     | NS                                  | 5.7                             | 3.1 0                             | 6                                | 4.6                             |
| SELENIUM                                                      | 0.01                                | <0.025                          | <0.025                            | <0.025                           | <0.025                          |
| SILVER                                                        | 0.05                                | <0.006                          | <0.006                            | <0.006                           | <0.006                          |
| SODIUM                                                        | 20.0                                | 28.6                            | 53.9 0                            | 11.3                             | 23                              |
| THALLIUM                                                      | 0.0005                              | <0.02                           | <0.02                             | <0.02                            | <0.02                           |
| VANADIUM                                                      | NS                                  | <0.005                          | <0.005                            | <0.005                           | <0.005                          |
| ZINC                                                          | 2.0                                 | 0.003 B                         | 0.0054 J                          | 0.005 B                          | 0.0086 B                        |
| MERCURY                                                       | 0.0007                              | <0.0002                         | <0.0002                           | <0.0002                          | <0.0002                         |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

+ = Results of filtered samples.

B = Analyte detected in the associated blank, as well as in the sample (organics); value is greater than or equal to the

J = Compound reported at an estimated concentration below

B = Analyte detected in the associated blank.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NS = No Standard and shaded values exceed NYSDEC groundwater standards or guidance values.

**ATTACHMENT A - TABLE 3**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - METALS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard • | MW-07-03<br>04/22/19<br>4.0-16.3 | MW-10-03<br>04/22/19<br>2.5-14.0 | MW-11-03<br>04/22/19<br>3.0-15.0 | MW-13-03<br>09/28/18<br>4.8-14.8 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>Metals (mg/L)</b>                                          |                                     |                                  |                                  |                                  |                                  |
| ALUMINUM                                                      | 2.0                                 | <0.2                             | 0.078 J                          | 0.062 J                          | <0.2                             |
| ANTIMONY                                                      | 0.003                               | <0.02                            | <0.02                            | <0.02                            | <0.02                            |
| ARSENIC                                                       | 0.025                               | <0.015                           | <0.015                           | <0.015                           | <0.015                           |
| BARIUM                                                        | 1.0                                 | 0.095                            | 0.044                            | 0.09                             | 0.044                            |
| BERYLLIUM                                                     | 0.003                               | <0.002                           | <0.002                           | <0.002                           | <0.002                           |
| CADMIUM                                                       | 0.005                               | <0.002                           | <0.002                           | <0.002                           | <0.002                           |
| CALCIUM                                                       | NS                                  | 129                              | 71.6                             | 149                              | 123                              |
| CHROMIUM, TOTAL                                               | 0.05                                | <0.004                           | <0.004                           | 0.0023 J                         | 0.0043                           |
| COBALT                                                        | 0.11                                | <0.004                           | 0.00099 J                        | <0.004                           | <0.004                           |
| COPPER                                                        | 0.2                                 | 0.0016 J                         | 0.0023 J                         | 0.0034 J                         | 0.0043 J                         |
| IRON                                                          | 0.3                                 | 0.31                             | 0.11                             | 0.2                              | <0.05                            |
| LEAD                                                          | 0.025                               | <0.01                            | <0.01                            | <0.01                            | <0.01                            |
| MAGNESIUM                                                     | 35.0                                | 22.2                             | 14                               | 25.5                             | 19.1                             |
| MANGANESE                                                     | 0.3                                 | 0.49                             | 0.18                             | 0.38                             | <0.003                           |
| NICKEL                                                        | 0.1                                 | 0.0039 J                         | 0.0017 J                         | 0.0028 J                         | 0.0026 J                         |
| POTASSIUM                                                     | NS                                  | 5.6                              | 2                                | 8.6                              | 5                                |
| SELENIUM                                                      | 0.01                                | <0.025                           | <0.025                           | <0.025                           | <0.025                           |
| SILVER                                                        | 0.05                                | <0.006                           | <0.006                           | <0.006                           | <0.006                           |
| SODIUM                                                        | 20.0                                | 64.1                             | 60                               | 51.9                             | 27.1                             |
| THALLIUM                                                      | 0.0005                              | <0.02                            | <0.02                            | <0.02                            | <0.02                            |
| VANADIUM                                                      | NS                                  | <0.005                           | <0.005                           | <0.005                           | <0.005                           |
| ZINC                                                          | 2.0                                 | 0.0034 J                         | 0.002 J                          | 0.0039 J                         | 0.0075 B                         |
| MERCURY                                                       | 0.0007                              | <0.0002                          | <0.0002                          | <0.0002                          | <0.0002                          |

Notes:

• = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

+ = Results of filtered samples.

B = Analyte detected in the associated blank, as well as in the sample (organics); value is greater than or equal to the

J = Compound reported at an estimated concentration below

B = Analyte detected in the associated blank.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NS = No Standard and shaded values exceed NYSDEC groundwater standards or guidance values.

**ATTACHMENT A - TABLE 3**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - METALS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard • | MW-13-03FD<br>09/28/18<br>4.8-14.8 |    |
|---------------------------------------------------------------|-------------------------------------|------------------------------------|----|
| <b>Metals (mg/L)</b>                                          |                                     |                                    |    |
| ALUMINUM                                                      | 2.0                                 | <0.2                               |    |
| ANTIMONY                                                      | 0.003                               | <0.02                              |    |
| ARSENIC                                                       | 0.025                               | <0.015                             |    |
| BARIUM                                                        | 1.0                                 | 0.041                              |    |
| BERYLLIUM                                                     | 0.003                               | <0.002                             |    |
| CADMIUM                                                       | 0.005                               | 0.00057                            | J  |
| CALCIUM                                                       | NS                                  | 123                                |    |
| CHROMIUM, TOTAL                                               | 0.05                                | 0.0044                             |    |
| COBALT                                                        | 0.11                                | <0.004                             |    |
| COPPER                                                        | 0.2                                 | 0.0039                             | J  |
| IRON                                                          | 0.3                                 | <0.05                              |    |
| LEAD                                                          | 0.025                               | <0.01                              |    |
| MAGNESIUM                                                     | 35.0                                | 19.1                               |    |
| MANGANESE                                                     | 0.3                                 | <0.003                             |    |
| NICKEL                                                        | 0.1                                 | 0.0022                             | J  |
| POTASSIUM                                                     | NS                                  | 5                                  |    |
| SELENIUM                                                      | 0.01                                | <0.025                             |    |
| SILVER                                                        | 0.05                                | <0.006                             |    |
| SODIUM                                                        | 20.0                                | 27.1                               |    |
| THALLIUM                                                      | 0.0005                              | <0.02                              |    |
| VANADIUM                                                      | NS                                  | <0.005                             |    |
| ZINC                                                          | 2.0                                 | 0.0056                             | BJ |
| MERCURY                                                       | 0.0007                              | <0.0002                            |    |

Notes:

• = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

+ = Results of filtered samples.

B = Analyte detected in the associated blank, as well as in the sample (organics); value is greater than or equal to the

J = Compound reported at an estimated concentration below

B = Analyte detected in the associated blank.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NS = No Standard and shaded values exceed NYSDEC groundwater standards or guidance values.

**ATTACHMENT A - TABLE 4**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - PESTICIDES**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | Deep Sump<br>10/05/18<br>10.0-202.5 (OH) | LMW-01<br>04/22/19<br>9.0-20.6 | LMW-02<br>04/19/19<br>9.0-20.3 | LMW-03<br>04/19/19<br>9.0-20.85 |
|---------------------------------------------------------------|-------------------------------------|------------------------------------------|--------------------------------|--------------------------------|---------------------------------|
| <b>Pesticides (ug/L)</b>                                      |                                     |                                          |                                |                                |                                 |
| ALDRIN                                                        | ND                                  | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| ALPHA BHC                                                     | 0.01                                | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| ALPHA CHLORDANE                                               | 0.05                                | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| ALPHA ENDOSULFAN                                              | NS                                  | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| BETA BHC                                                      | 0.04                                | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| BETA ENDOSULFAN                                               | NS                                  | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| DELTA BHC                                                     | 0.04                                | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| DIELDRIN                                                      | 0.004                               | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| ENDOSULFAN SULFATE                                            | NS                                  | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| ENDRIN                                                        | ND                                  | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| ENDRIN ALDEHYDE                                               | 5.00                                | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| ENDRIN KETONE                                                 | 5.00                                | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| GAMMA BHC (LINDANE)                                           | 0.05                                | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| HEPTACHLOR                                                    | 0.04                                | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| HEPTACHLOR EPOXIDE                                            | 0.03                                | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| METHOXYCHLOR                                                  | 35.00                               | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| P,P'-DDD                                                      | 0.30                                | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| P,P'-DDE                                                      | 0.2                                 | 0.012 J                                  | <0.05                          | <0.05                          | <0.05                           |
| P,P'-DDT                                                      | 0.2                                 | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |
| TOXAPHENE                                                     | 0.06                                | <0.5                                     | <0.5                           | <0.5                           | <0.5                            |
| trans-Chlordane                                               | 0.05                                | <0.05                                    | <0.05                          | <0.05                          | <0.05                           |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or

**ATTACHMENT A - TABLE 4**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - PESTICIDES**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | LMW-03 (DUP)<br>04/19/19<br>9.0-20.85 | MW-01-94<br>09/26/18<br>3.0-13.0 | MW-01-10<br>09/27/18<br>7.4-17.4 | MW-02-94<br>10/01/18<br>5.0-10.0 |
|---------------------------------------------------------------|-------------------------------------|---------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Pesticides (ug/L)                                             |                                     |                                       |                                  |                                  |                                  |
| ALDRIN                                                        | ND                                  | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| ALPHA BHC                                                     | 0.01                                | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| ALPHA CHLORDANE                                               | 0.05                                | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| ALPHA ENDOSULFAN                                              | NS                                  | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| BETA BHC                                                      | 0.04                                | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| BETA ENDOSULFAN                                               | NS                                  | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| DELTA BHC                                                     | 0.04                                | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| DIELDRIN                                                      | 0.004                               | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| ENDOSULFAN SULFATE                                            | NS                                  | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| ENDRIN                                                        | ND                                  | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| ENDRIN ALDEHYDE                                               | 5.00                                | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| ENDRIN KETONE                                                 | 5.00                                | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| GAMMA BHC (LINDANE)                                           | 0.05                                | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| HEPTACHLOR                                                    | 0.04                                | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| HEPTACHLOR EPOXIDE                                            | 0.03                                | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| METHOXYCHLOR                                                  | 35.00                               | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| P,P'-DDD                                                      | 0.30                                | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| P,P'-DDE                                                      | 0.2                                 | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| P,P'-DDT                                                      | 0.2                                 | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |
| TOXAPHENE                                                     | 0.06                                | <0.5                                  | <0.5                             | <0.5                             | <0.5                             |
| trans-Chlordane                                               | 0.05                                | <0.05                                 | <0.05                            | <0.05                            | <0.05                            |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or

**ATTACHMENT A - TABLE 4**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - PESTICIDES**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-02-02<br>10/04/18<br>6.9-11.9 | MW-02-10<br>09/27/18<br>5.8-15.7 | MW-03-10<br>09/27/18<br>5.5-15.5 | MW-04-02<br>10/02/18<br>4.5-9.5 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|---------------------------------|
| <b>Pesticides (ug/L)</b>                                      |                                     |                                  |                                  |                                  |                                 |
| ALDRIN                                                        | ND                                  | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| ALPHA BHC                                                     | 0.01                                | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| ALPHA CHLORDANE                                               | 0.05                                | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| ALPHA ENDOSULFAN                                              | NS                                  | <0.05                            | <0.052                           | <0.05                            | 0.014 J                         |
| BETA BHC                                                      | 0.04                                | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| BETA ENDOSULFAN                                               | NS                                  | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| DELTA BHC                                                     | 0.04                                | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| DIELDRIN                                                      | 0.004                               | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| ENDOSULFAN SULFATE                                            | NS                                  | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| ENDRIN                                                        | ND                                  | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| ENDRIN ALDEHYDE                                               | 5.00                                | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| ENDRIN KETONE                                                 | 5.00                                | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| GAMMA BHC (LINDANE)                                           | 0.05                                | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| HEPTACHLOR                                                    | 0.04                                | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| HEPTACHLOR EPOXIDE                                            | 0.03                                | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| METHOXYCHLOR                                                  | 35.00                               | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| P,P'-DDD                                                      | 0.30                                | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| P,P'-DDE                                                      | 0.2                                 | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| P,P'-DDT                                                      | 0.2                                 | <0.05                            | <0.052                           | <0.05                            | <0.05                           |
| TOXAPHENE                                                     | 0.06                                | <0.5                             | <0.52                            | <0.5                             | <0.5                            |
| trans-Chlordane                                               | 0.05                                | <0.05                            | <0.052                           | <0.05                            | <0.05                           |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or

**ATTACHMENT A - TABLE 4**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - PESTICIDES**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-05-94<br>10/02/18<br>3.8-8.9 | MW-06-94<br>09/25/18<br>11.5-15.9 | MW-06-10<br>09/28/18<br>9.1-19.4 | MW-07-94<br>10/18/18<br>5.4-8.4 |
|---------------------------------------------------------------|-------------------------------------|---------------------------------|-----------------------------------|----------------------------------|---------------------------------|
| <b>Pesticides (ug/L)</b>                                      |                                     |                                 |                                   |                                  |                                 |
| ALDRIN                                                        | ND                                  | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| ALPHA BHC                                                     | 0.01                                | 0.014 J                         | <0.05                             | <0.05                            | <0.05                           |
| ALPHA CHLORDANE                                               | 0.05                                | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| ALPHA ENDOSULFAN                                              | NS                                  | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| BETA BHC                                                      | 0.04                                | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| BETA ENDOSULFAN                                               | NS                                  | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| DELTA BHC                                                     | 0.04                                | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| DIELDRIN                                                      | 0.004                               | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| ENDOSULFAN SULFATE                                            | NS                                  | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| ENDRIN                                                        | ND                                  | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| ENDRIN ALDEHYDE                                               | 5.00                                | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| ENDRIN KETONE                                                 | 5.00                                | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| GAMMA BHC (LINDANE)                                           | 0.05                                | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| HEPTACHLOR                                                    | 0.04                                | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| HEPTACHLOR EPOXIDE                                            | 0.03                                | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| METHOXYCHLOR                                                  | 35.00                               | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| P,P'-DDD                                                      | 0.30                                | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| P,P'-DDE                                                      | 0.2                                 | <0.05                           | <0.05                             | <0.05                            | <0.05                           |
| P,P'-DDT                                                      | 0.2                                 | 0.014 J                         | <0.05                             | <0.05                            | <0.05                           |
| TOXAPHENE                                                     | 0.06                                | <0.5                            | <0.5                              | <0.5                             | <0.5                            |
| trans-Chlordane                                               | 0.05                                | <0.05                           | <0.05                             | <0.05                            | <0.05                           |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or



**ATTACHMENT A - TABLE 4**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - PESTICIDES**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-07-03<br>04/22/19<br>4.0-16.3 | MW-10-03<br>04/22/19<br>2.5-14.0 | MW-11-03<br>04/22/19<br>3.0-15.0 | MW-13-03<br>09/28/18<br>4.8-14.8 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>Pesticides (ug/L)</b>                                      |                                     |                                  |                                  |                                  |                                  |
| ALDRIN                                                        | ND                                  | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| ALPHA BHC                                                     | 0.01                                | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| ALPHA CHLORDANE                                               | 0.05                                | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| ALPHA ENDOSULFAN                                              | NS                                  | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| BETA BHC                                                      | 0.04                                | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| BETA ENDOSULFAN                                               | NS                                  | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| DELTA BHC                                                     | 0.04                                | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| DIELDRIN                                                      | 0.004                               | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| ENDOSULFAN SULFATE                                            | NS                                  | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| ENDRIN                                                        | ND                                  | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| ENDRIN ALDEHYDE                                               | 5.00                                | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| ENDRIN KETONE                                                 | 5.00                                | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| GAMMA BHC (LINDANE)                                           | 0.05                                | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| HEPTACHLOR                                                    | 0.04                                | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| HEPTACHLOR EPOXIDE                                            | 0.03                                | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| METHOXYCHLOR                                                  | 35.00                               | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| P,P'-DDD                                                      | 0.30                                | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| P,P'-DDE                                                      | 0.2                                 | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| P,P'-DDT                                                      | 0.2                                 | <0.57                            | <0.06                            | <0.1                             | <0.05                            |
| TOXAPHENE                                                     | 0.06                                | <5.7                             | <0.6                             | <1                               | <0.5                             |
| trans-Chlordane                                               | 0.05                                | <0.57                            | <0.06                            | <0.1                             | <0.05                            |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or

**ATTACHMENT A - TABLE 4**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - PESTICIDES**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number                     | NYSDEC      | MW-13-03FD |
|---------------------------------|-------------|------------|
| Sample Date                     | Groundwater | 09/28/18   |
| Well Screen Interval (feet bgs) | Standard •  | 4.8-14.8   |
| Pesticides (ug/L)               |             |            |
| ALDRIN                          | ND          | <0.05      |
| ALPHA BHC                       | 0.01        | <0.05      |
| ALPHA CHLORDANE                 | 0.05        | <0.05      |
| ALPHA ENDOSULFAN                | NS          | <0.05      |
| BETA BHC                        | 0.04        | <0.05      |
| BETA ENDOSULFAN                 | NS          | <0.05      |
| DELTA BHC                       | 0.04        | <0.05      |
| DIELDRIN                        | 0.004       | <0.05      |
| ENDOSULFAN SULFATE              | NS          | <0.05      |
| ENDRIN                          | ND          | <0.05      |
| ENDRIN ALDEHYDE                 | 5.00        | <0.05      |
| ENDRIN KETONE                   | 5.00        | <0.05      |
| GAMMA BHC (LINDANE)             | 0.05        | <0.05      |
| HEPTACHLOR                      | 0.04        | <0.05      |
| HEPTACHLOR EPOXIDE              | 0.03        | <0.05      |
| METHOXYCHLOR                    | 35.00       | <0.05      |
| P,P'-DDD                        | 0.30        | <0.05      |
| P,P'-DDE                        | 0.2         | <0.05      |
| P,P'-DDT                        | 0.2         | <0.05      |
| TOXAPHENE                       | 0.06        | <0.5       |
| trans-Chlordane                 | 0.05        | <0.05      |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

• = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or

**ATTACHMENT A - TABLE 5**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - PCBs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | Deep Sump<br>10/05/18<br>10.0-202.5 (OH) | LMW-01<br>04/22/19<br>9.0-20.6 | LMW-02<br>04/19/19<br>9.0-20.3 | LMW-03<br>04/19/19<br>9.0-20.85 |
|---------------------------------------------------------------|-------------------------------------|------------------------------------------|--------------------------------|--------------------------------|---------------------------------|
| <b>PCBs (ug/L)</b>                                            |                                     |                                          |                                |                                |                                 |
| PCB-1016 (AROCLOR 1016)                                       | NS                                  | <0.58                                    | <0.5                           | <0.5                           | <0.5                            |
| PCB-1221 (AROCLOR 1221)                                       | NS                                  | <0.58                                    | <0.5                           | <0.5                           | <0.5                            |
| PCB-1232 (AROCLOR 1232)                                       | NS                                  | <0.58                                    | <0.5                           | <0.5                           | <0.5                            |
| PCB-1242 (AROCLOR 1242)                                       | NS                                  | <0.58                                    | <0.5                           | <0.5                           | <0.5                            |
| PCB-1248 (AROCLOR 1248)                                       | NS                                  | <0.58                                    | <0.5                           | <0.5                           | <0.5                            |
| PCB-1254 (AROCLOR 1254)                                       | NS                                  | <0.58                                    | <0.5                           | <0.5                           | <0.5                            |
| PCB-1260 (AROCLOR 1260)                                       | NS                                  | <0.58                                    | <0.5                           | <0.5                           | <0.5                            |
| PCB-1262 (AROCLOR 1262)                                       | NS                                  | <0.58                                    | <0.5                           | <0.5                           | <0.5                            |
| PCB-1268 (AROCLOR 1268)                                       | NS                                  | <0.58                                    | <0.5                           | <0.5                           | <0.5                            |
| Total PBCs                                                    | 5.0                                 | ND                                       | ND                             | ND                             | ND                              |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or guidance values.

**ATTACHMENT A - TABLE 5**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - PCBs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | LMW-03 (DUP)<br>04/19/19<br>9.0-20.85 | MW-01-94<br>09/26/18<br>3.0-13.0 | MW-01-10<br>09/27/18<br>7.4-17.4 | MW-02-94<br>10/01/18<br>5.0-10.0 |
|---------------------------------------------------------------|-------------------------------------|---------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>PCBs (ug/L)</b>                                            |                                     |                                       |                                  |                                  |                                  |
| PCB-1016 (AROCLOR 1016)                                       | NS                                  | <0.5                                  | <0.5                             | <0.5                             | <0.5 UT                          |
| PCB-1221 (AROCLOR 1221)                                       | NS                                  | <0.5                                  | <0.5                             | <0.5                             | <0.5 UT                          |
| PCB-1232 (AROCLOR 1232)                                       | NS                                  | <0.5                                  | <0.5                             | <0.5                             | <0.5 UT                          |
| PCB-1242 (AROCLOR 1242)                                       | NS                                  | <0.5                                  | <0.5                             | <0.5                             | <0.5 UT                          |
| PCB-1248 (AROCLOR 1248)                                       | NS                                  | <0.5                                  | <0.5                             | <0.5                             | <0.5 UT                          |
| PCB-1254 (AROCLOR 1254)                                       | NS                                  | <0.5                                  | <0.5                             | <0.5                             | <0.5 UT                          |
| PCB-1260 (AROCLOR 1260)                                       | NS                                  | <0.5                                  | <0.5                             | <0.5                             | <0.5 UT                          |
| PCB-1262 (AROCLOR 1262)                                       | NS                                  | <0.5                                  | <0.5                             | <0.5                             | <0.5 UT                          |
| PCB-1268 (AROCLOR 1268)                                       | NS                                  | <0.5                                  | <0.5                             | <0.5                             | <0.5                             |
| Total PBCs                                                    | 5.0                                 | ND                                    | ND                               | ND                               | ND UT                            |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or guidance values.

**ATTACHMENT A - TABLE 5**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - PCBs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-02-02<br>10/04/18<br>6.9-11.9 | MW-02-10<br>09/27/18<br>5.8-15.7 | MW-03-10<br>09/27/18<br>5.5-15.5 | MW-04-02<br>10/02/18<br>4.5-9.5 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|---------------------------------|
| <b>PCBs (ug/L)</b>                                            |                                     |                                  |                                  |                                  |                                 |
| PCB-1016 (AROCLOR 1016)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <2.5                            |
| PCB-1221 (AROCLOR 1221)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <2.5                            |
| PCB-1232 (AROCLOR 1232)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <2.5                            |
| PCB-1242 (AROCLOR 1242)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <2.5                            |
| PCB-1248 (AROCLOR 1248)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <2.5                            |
| PCB-1254 (AROCLOR 1254)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <2.5                            |
| PCB-1260 (AROCLOR 1260)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <2.5                            |
| PCB-1262 (AROCLOR 1262)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <2.5                            |
| PCB-1268 (AROCLOR 1268)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <2.5                            |
| Total PBCs                                                    | 5.0                                 | ND                               | ND                               | ND                               | ND                              |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or guidance values.

**ATTACHMENT A - TABLE 5**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - PCBs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-05-94<br>10/02/18<br>3.8-8.9 | MW-06-94<br>09/25/18<br>11.5-15.9 | MW-06-10<br>09/28/18<br>9.1-19.4 | MW-07-94<br>10/18/18<br>5.4-8.4 |
|---------------------------------------------------------------|-------------------------------------|---------------------------------|-----------------------------------|----------------------------------|---------------------------------|
| <b>PCBs (ug/L)</b>                                            |                                     |                                 |                                   |                                  |                                 |
| PCB-1016 (AROCLOR 1016)                                       | NS                                  | <0.5                            | <0.5                              | <0.5                             | <0.5                            |
| PCB-1221 (AROCLOR 1221)                                       | NS                                  | <0.5                            | <0.5                              | <0.5                             | <0.5                            |
| PCB-1232 (AROCLOR 1232)                                       | NS                                  | <0.5                            | <0.5                              | <0.5                             | <0.5                            |
| PCB-1242 (AROCLOR 1242)                                       | NS                                  | <0.5                            | <0.5                              | <0.5                             | <0.5                            |
| PCB-1248 (AROCLOR 1248)                                       | NS                                  | <0.5                            | <0.5                              | <0.5                             | <0.5                            |
| PCB-1254 (AROCLOR 1254)                                       | NS                                  | <0.5                            | <0.5                              | <0.5                             | <0.5                            |
| PCB-1260 (AROCLOR 1260)                                       | NS                                  | <0.5                            | <0.5                              | <0.5                             | <0.5 UT                         |
| PCB-1262 (AROCLOR 1262)                                       | NS                                  | <0.5                            | <0.5                              | <0.5                             | <0.5                            |
| PCB-1268 (AROCLOR 1268)                                       | NS                                  | <0.5                            | <0.5                              | <0.5                             | <0.5                            |
| Total PBCs                                                    | 5.0                                 | ND                              | ND                                | ND                               | ND                              |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or guidance values.

**ATTACHMENT A - TABLE 5**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - PCBs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-07-03<br>04/22/19<br>4.0-16.3 | MW-10-03<br>04/22/19<br>2.5-14.0 | MW-11-03<br>04/22/19<br>3.0-15.0 | MW-13-03<br>09/28/18<br>4.8-14.8 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>PCBs (ug/L)</b>                                            |                                     |                                  |                                  |                                  |                                  |
| PCB-1016 (AROCLOR 1016)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| PCB-1221 (AROCLOR 1221)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| PCB-1232 (AROCLOR 1232)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| PCB-1242 (AROCLOR 1242)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| PCB-1248 (AROCLOR 1248)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| PCB-1254 (AROCLOR 1254)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| PCB-1260 (AROCLOR 1260)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| PCB-1262 (AROCLOR 1262)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| PCB-1268 (AROCLOR 1268)                                       | NS                                  | <0.5                             | <0.5                             | <0.5                             | <0.5                             |
| Total PBCs                                                    | 5.0                                 | ND                               | ND                               | ND                               | ND                               |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or guidance values.

**ATTACHMENT A - TABLE 5**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - PCBs**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-13-03FD<br>09/28/18<br>4.8-14.8 |
|---------------------------------------------------------------|-------------------------------------|------------------------------------|
| <b>PCBs (ug/L)</b>                                            |                                     |                                    |
| PCB-1016 (AROCLOR 1016)                                       | NS                                  | <0.5                               |
| PCB-1221 (AROCLOR 1221)                                       | NS                                  | <0.5                               |
| PCB-1232 (AROCLOR 1232)                                       | NS                                  | <0.5                               |
| PCB-1242 (AROCLOR 1242)                                       | NS                                  | <0.5                               |
| PCB-1248 (AROCLOR 1248)                                       | NS                                  | <0.5                               |
| PCB-1254 (AROCLOR 1254)                                       | NS                                  | <0.5                               |
| PCB-1260 (AROCLOR 1260)                                       | NS                                  | <0.5                               |
| PCB-1262 (AROCLOR 1262)                                       | NS                                  | <0.5                               |
| PCB-1268 (AROCLOR 1268)                                       | NS                                  | <0.5                               |
| Total PBCs                                                    | 5.0                                 | ND                                 |

Notes:

● = NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998, with addenda through 2004.

OH - Feet below ground surface of Open Hole interval for the well.

B = Analyte detected in the associated blank, as well as in the sample (organics).

J = Compound reported at an estimated concentration below ug/L = micrograms per liter or parts per billion.

< = Not detected - below laboratory's Reporting Limit (RL)

D = Duplicate Sample, ND = Not Detected,

NA = Not Applicable

Shaded values exceed NYSDEC groundwater standards or guidance values.



**ATTACHMENT A - TABLE 6**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - HYDROCARBONS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | Deep Sump<br>10/05/18<br>10.0-202.5 (OH) | LMW-01<br>04/22/19<br>9.0-20.6 | LMW-02<br>04/19/19<br>9.0-20.3 | LMW-03<br>04/19/19<br>9.0-20.85 |
|---------------------------------------------------------------|-------------------------------------|------------------------------------------|--------------------------------|--------------------------------|---------------------------------|
| <b>Hydrocarbons (mg/L)</b>                                    |                                     |                                          |                                |                                |                                 |
| GASOLINE COMPONENTS                                           | NS                                  | <0.2                                     | <0.19                          | <0.19                          | <0.19                           |
| KEROSENE                                                      | NS                                  | <0.5                                     | <0.48                          | <0.48                          | <0.48                           |
| MOTOR OILS                                                    | NS                                  | <1                                       | <0.95                          | <0.95                          | 1.4                             |
| PHC AS #2 FUEL OILS C10-C23 #2 DIESEL, #2 FUEL                | NS                                  | <0.5                                     | <0.48                          | <0.48                          | <0.48                           |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #4                  | NS                                  | <0.5                                     | <0.48                          | <0.48                          | <0.48                           |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #6                  | NS                                  | <0.5                                     | <0.48                          | <0.48                          | <0.48                           |
| UNKNOWN HYDROCARBONS WITH HIGHEST COI                         | NS                                  | <0.2                                     | <0.19                          | <0.19                          | <0.19                           |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● - NYSDEC Ambient Water Quality Standards and Guidance values, June 1998, with addenda through 2004

J = Compound reported at an estimated concentration below the reporting limit.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NS = No Standard

**ATTACHMENT A - TABLE 6**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - HYDROCARBONS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number                                      | NYSDEC      | LMW-03 (DUP) | MW-01-94 | MW-1-10  | MW-02-94 |
|--------------------------------------------------|-------------|--------------|----------|----------|----------|
| Sample Date                                      | Groundwater | 04/19/19     | 09/26/18 | 09/27/18 | 10/01/18 |
| Well Screen Interval (feet bgs)                  | Standard ●  | 9.0-20.85    | 3.0-13.0 | 7.4-17.4 | 5.0-10.0 |
| Hydrocarbons (mg/L)                              |             |              |          |          |          |
| GASOLINE COMPONENTS                              | NS          | <0.2         | <0.19    | <0.21    | <0.19    |
| KEROSENE                                         | NS          | <0.49        | <0.48    | <0.52    | <0.49    |
| MOTOR OILS                                       | NS          | 1.4          | <0.96    | <1       | 1.4      |
| PHC AS #2 FUEL OILS C10-C23 #2 DIESEL, #2 FUEL   | NS          | <0.49        | <0.48    | <0.52    | 1.4      |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #4     | NS          | <0.49        | <0.48    | <0.52    | <0.49    |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #6     | NS          | <0.49        | <0.48    | <0.52    | <0.49    |
| UNKNOWN HYDROCARBONS WITH HIGHEST CONCENTRATIONS | NS          | <0.2         | <0.19    | <0.21    | <0.19    |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● - NYSDEC Ambient Water Quality Standards and Guidance values, June 1998, with addenda through 2004

J = Compound reported at an estimated concentration below the reporting limit.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NS = No Standard

**ATTACHMENT A - TABLE 6**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - HYDROCARBONS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number                                    | NYSDEC      | MW-02-02 | MW-02-10 | MW-03-10 | MW-04-02 |
|------------------------------------------------|-------------|----------|----------|----------|----------|
| Sample Date                                    | Groundwater | 10/04/18 | 09/27/18 | 09/27/18 | 10/02/18 |
| Well Screen Interval (feet bgs)                | Standard ●  | 6.9-11.9 | 5.8-15.7 | 5.5-15.5 | 4.5-9.5  |
| Hydrocarbons (mg/L)                            |             |          |          |          |          |
| GASOLINE COMPONENTS                            | NS          | <0.19    | <0.2     | <0.27    | <0.2     |
| KEROSENE                                       | NS          | <0.48    | <0.5     | <0.68    | <0.49    |
| MOTOR OILS                                     | NS          | 3.2      | <0.99    | <1.4     | 3.3      |
| PHC AS #2 FUEL OILS C10-C23 #2 DIESEL, #2 FUEL | NS          | <0.48    | <0.5     | <0.68    | <0.49    |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #4   | NS          | <0.48    | <0.5     | <0.68    | <0.49    |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #6   | NS          | <0.48    | <0.5     | <0.68    | <0.49    |
| UNKNOWN HYDROCARBONS WITH HIGHEST COI          | NS          | <0.19    | <0.2     | <0.27    | <0.2     |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● - NYSDEC Ambient Water Quality Standards and Guidance values, June 1998, with addenda through 2004

J = Compound reported at an estimated concentration below the reporting limit.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NS = No Standard

**ATTACHMENT A - TABLE 6**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - HYDROCARBONS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-05-94<br>10/02/18<br>3.8-8.9 | MW-06-94<br>09/25/18<br>11.5-15.9 | MW-06-10<br>09/28/18<br>9.1-19.4 | MW-07-94<br>10/18/18<br>5.4-8.4 |
|---------------------------------------------------------------|-------------------------------------|---------------------------------|-----------------------------------|----------------------------------|---------------------------------|
| <b>Hydrocarbons (mg/L)</b>                                    |                                     |                                 |                                   |                                  |                                 |
| GASOLINE COMPONENTS                                           | NS                                  | <0.2                            | <0.8                              | <0.26                            | <0.2                            |
| KEROSENE                                                      | NS                                  | <0.51                           | <2                                | <0.66                            | <0.5                            |
| MOTOR OILS                                                    | NS                                  | 2.5                             | <4                                | <1.3                             | <0.99                           |
| PHC AS #2 FUEL OILS C10-C23 #2 DIESEL, #2 FUEL                | NS                                  | <0.51                           | <2                                | <0.66                            | <0.5                            |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #4                  | NS                                  | <0.51                           | <2                                | <0.66                            | <0.5                            |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #6                  | NS                                  | <0.51                           | <2                                | <0.66                            | <0.5                            |
| UNKNOWN HYDROCARBONS WITH HIGHEST COI                         | NS                                  | <0.2                            | <0.8                              | <0.26                            | <0.2                            |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● - NYSDEC Ambient Water Quality Standards and Guidance values, June 1998, with addenda through 2004

J = Compound reported at an estimated concentration below the reporting limit.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NS = No Standard

**ATTACHMENT A - TABLE 6**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - HYDROCARBONS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number                                      | NYSDEC      | MW-7-03  | MW-10-03 | MW-11-03 | MW-13-03 |
|--------------------------------------------------|-------------|----------|----------|----------|----------|
| Sample Date                                      | Groundwater | 04/22/19 | 04/22/19 | 04/22/19 | 09/28/18 |
| Well Screen Interval (feet bgs)                  | Standard ●  | 4.0-16.3 | 2.5-14.0 | 3.0-15.0 | 4.8-14.8 |
| Hydrocarbons (mg/L)                              |             |          |          |          |          |
| GASOLINE COMPONENTS                              | NS          | <0.21    | <0.22    | <0.2     | <0.2     |
| KEROSENE                                         | NS          | <0.52    | <0.56    | <0.51    | <0.5     |
| MOTOR OILS                                       | NS          | 3.4      | 1.4      | 2.5      | <0.99    |
| PHC AS #2 FUEL OILS C10-C23 #2 DIESEL, #2 FUEL   | NS          | <0.52    | <0.56    | 1.3      | <0.5     |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #4     | NS          | <0.52    | <0.56    | <0.51    | <0.5     |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #6     | NS          | <0.52    | <0.56    | <0.51    | <0.5     |
| UNKNOWN HYDROCARBONS WITH HIGHEST CONCENTRATIONS | NS          | <0.21    | <0.22    | <0.2     | <0.2     |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● - NYSDEC Ambient Water Quality Standards and Guidance values, June 1998, with addenda through 2004

J = Compound reported at an estimated concentration below the reporting limit.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NS = No Standard

**ATTACHMENT A - TABLE 6**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - HYDROCARBONS**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-13-03FD<br>09/28/18<br>4.8-14.8 |
|---------------------------------------------------------------|-------------------------------------|------------------------------------|
| <b>Hydrocarbons (mg/L)</b>                                    |                                     |                                    |
| GASOLINE COMPONENTS                                           | NS                                  | <0.19                              |
| KEROSENE                                                      | NS                                  | <0.49                              |
| MOTOR OILS                                                    | NS                                  | <0.97                              |
| PHC AS #2 FUEL OILS C10-C23 #2 DIESEL, #2 FUEL                | NS                                  | <0.49                              |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #4                  | NS                                  | <0.49                              |
| PHC As Heavy/Residual Fuel Oils Fuel Oils #6                  | NS                                  | <0.49                              |
| UNKNOWN HYDROCARBONS WITH HIGHEST CO <sub>2</sub>             | NS                                  | <0.19                              |

Notes:

OH - Feet below ground surface of Open Hole interval for the well.

● - NYSDEC Ambient Water Quality Standards and Guidance values, June 1998, with addenda through 2004

J = Compound reported at an estimated concentration below the reporting limit.

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Shaded values exceed NYSDEC groundwater standards or guidance values.

D = Duplicate Sample, ND = Not Detected, NS = No Standard

**ATTACHMENT A - TABLE 7**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - 1,4-DIOXANE**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | Deep Sump<br>10/05/18<br>10.0-202.5 (OH) | LMW-01<br>04/22/19<br>9.0-20.6 | LMW-02<br>04/19/19<br>9.0-20.3 | LMW-03<br>04/19/19<br>9.0-20.85 | LMW-03 (DUP)<br>04/19/19<br>9.0-20.85 |
|---------------------------------------------------------------|-------------------------------------|------------------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------------|
| <b>Hydrocarbons (mg/L)</b>                                    |                                     |                                          |                                |                                |                                 |                                       |
| 1,4-DIOXANE (P-DIOXANE)                                       | 1.0                                 | 1600 E                                   | <0.2                           | 24 E                           | 0.76                            | 0.78                                  |

Notes:

Table presented only includes sample locations with one or more

● = NYSDEC Ambient Water Quality Standards and Guidance Value

E = Result exceeded calibration range

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Yellow shaded values exceed NYSDEC groundwater standards

**ATTACHMENT A - TABLE 7**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - 1,4-DIOXANE**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number<br>Sample Date<br>Well Screen Interval (feet bgs) | NYSDEC<br>Groundwater<br>Standard ● | MW-01-94<br>09/26/18<br>3.0-13.0 | MW-1-10<br>09/27/18<br>7.4-17.4 | MW-02-94<br>10/01/18<br>5.0-10.0 | MW-02-02<br>10/04/18<br>6.9-11.9 | MW-02-10<br>09/27/18<br>5.8-15.7 |
|---------------------------------------------------------------|-------------------------------------|----------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <b>Hydrocarbons (mg/L)</b>                                    |                                     |                                  |                                 |                                  |                                  |                                  |
| 1,4-DIOXANE (P-DIOXANE)                                       | 1.0                                 | <0.19                            | 0.28                            | 59 E                             | <0.2                             | 0.31                             |

Notes:

Table presented only includes sample locations with one or more

● = NYSDEC Ambient Water Quality Standards and Guidance Value

E = Result exceeded calibration range

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Yellow shaded values exceed NYSDEC groundwater standards



**ATTACHMENT A - TABLE 7**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - 1,4-DIOXANE**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number                     | NYSDEC      | MW-03-10 | MW-04-02 | MW-05-94 | MW-06-94  | MW-06-10 |
|---------------------------------|-------------|----------|----------|----------|-----------|----------|
| Sample Date                     | Groundwater | 09/27/18 | 10/02/18 | 10/02/18 | 09/25/18  | 09/28/18 |
| Well Screen Interval (feet bgs) | Standard ●  | 5.5-15.5 | 4.5-9.5  | 3.8-8.9  | 11.5-15.9 | 9.1-19.4 |
| <b>Hydrocarbons (mg/L)</b>      |             |          |          |          |           |          |
| 1,4-DIOXANE (P-DIOXANE)         | 1.0         | 1.4      | 47 E     | 88 E     | 11 E      | <0.19    |

Notes:

Table presented only includes sample locations with one or more

● = NYSDEC Ambient Water Quality Standards and Guidance Value

E = Result exceeded calibration range

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Yellow shaded values exceed NYSDEC groundwater standards

**ATTACHMENT A - TABLE 7**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - 1,4-DIOXANE**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well Number                     | NYSDEC      | MW-07-94 | MW-7-03  | MW-10-03 | MW-11-03 | MW-13-03 |
|---------------------------------|-------------|----------|----------|----------|----------|----------|
| Sample Date                     | Groundwater | 10/18/18 | 04/22/19 | 04/22/19 | 04/22/19 | 09/28/18 |
| Well Screen Interval (feet bgs) | Standard ●  | 5.4-8.4  | 4.0-16.3 | 2.5-14.0 | 3.0-15.0 | 4.8-14.8 |
| <b>Hydrocarbons (mg/L)</b>      |             |          |          |          |          |          |
| 1,4-DIOXANE (P-DIOXANE)         | 1.0         | 2.2      | 14       | NR       | 21       | 1.5 E    |

Notes:

Table presented only includes sample locations with one or more

● = NYSDEC Ambient Water Quality Standards and Guidance Value

E = Result exceeded calibration range

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Yellow shaded values exceed NYSDEC groundwater standards

**ATTACHMENT A - TABLE 7**  
**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS**  
**SEPTEMBER 2018 to APRIL 2019 BASELINE - 1,4-DIOXANE**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

|                                        |                    |                   |
|----------------------------------------|--------------------|-------------------|
| <b>Well Number</b>                     | <b>NYSDEC</b>      | <b>MW-13-03FD</b> |
| <b>Sample Date</b>                     | <b>Groundwater</b> | <b>09/28/18</b>   |
| <b>Well Screen Interval (feet bgs)</b> | <b>Standard ●</b>  | <b>4.8-14.8</b>   |
| <b>Hydrocarbons (mg/L)</b>             |                    |                   |
| 1,4-DIOXANE (P-DIOXANE)                | 1.0                | 1.5 E             |

Notes:

Table presented only includes sample locations with one or more

● = NYSDEC Ambient Water Quality Standards and Guidance Value

E = Result exceeded calibration range

mg/L = milligrams per liter or parts per million.

< = Not detected - below laboratory's Reporting Limit (RL)

Yellow shaded values exceed NYSDEC groundwater standards or



**ATTACHMENT B**  
Well Purge Logs  
(Electronic Copy Only)

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-1-94

Site Name: Vibrattech - 537 E. Delavan

Date: 5/22/2019

Staff: D. Sheldon, C. Taylor

Time: 14:00  
(sample collected)

|                                              |       |         |                 |
|----------------------------------------------|-------|---------|-----------------|
| A). Total casing and screen length in feet:  | 12.45 | Well ID | Volume (gal/ft) |
|                                              |       | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 9.52  | 2"      | 0.17            |
|                                              |       | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 2.93  | 4"      | 0.66            |
|                                              |       | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.17  | 6"      | 1.50            |
|                                              |       | 8"      | 2.60            |
| E). Volume of water in casing (gal. [CxD]):  | 0.50  |         |                 |
| F). Volume of water to remove (gal.) [Ex3]:  | 1.5   |         |                 |
| G). Volume of water actually removed (gal.): | 0.45  |         |                 |

## PURGE DATA

| Time  | Temperature (°C) | pH   | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance      |
|-------|------------------|------|----------|----------------------|-----------------|-------------------------|--------------------|-----------------|
| 13:53 | 13.35            | 8.41 | 12       | 0.390                | NR              | 16.62                   | 161.8              | slightly cloudy |
| 15:57 | 12.15            | 8.49 | 14       | 0.377                | NR              | 12.92                   | 124.3              | clear           |
|       |                  |      |          |                      |                 |                         |                    |                 |
|       |                  |      |          |                      |                 |                         |                    |                 |
|       |                  |      |          |                      |                 |                         |                    |                 |
|       |                  |      |          |                      |                 |                         |                    |                 |
|       |                  |      |          |                      |                 |                         |                    |                 |

### Comments:

**Bold readings are parameters recorded immediately before sample collection**

*Well went dry after purging 0.45 gal.*

**Sampling ID:** MW-1

**Sampling Parameters:** ☒ CP-51 VOCs ☐ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☐ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-1-10

Site Name: Vibrattech - 537 E. Delavan

Date: 5/22/2019-5/23/2019

Staff: D. Sheldon, C. Taylor

Time: 11:22-12:48  
(sample collected)

|                                              |       |         |                 |
|----------------------------------------------|-------|---------|-----------------|
| A). Total casing and screen length in feet:  | 20.20 | Well ID | Volume (gal/ft) |
|                                              |       | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 18.68 | 2"      | 0.17            |
|                                              |       | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 1.52  | 4"      | 0.66            |
|                                              |       | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.66  | 6"      | 1.50            |
|                                              |       | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | 1.00  |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | 3     |         |                 |
| G). Volume of water actually removed (gal.): | 0.50  |         |                 |

## PURGE DATA

| Time         | Temperature (°C) | pH          | ORP (mV)   | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance             |
|--------------|------------------|-------------|------------|----------------------|-----------------|-------------------------|--------------------|------------------------|
| 11:07        | 11.76            | 8.10        | -38        | 1.01                 | NR              | 11.67                   | 111.7              | slightly cloudy        |
| 11:09        | 10.99            | 8.08        | -39        | 1.01                 | NR              | 11.74                   | 110.1              | slightly cloudy        |
| <b>11:11</b> | <b>10.85</b>     | <b>8.11</b> | <b>-34</b> | <b>1.00</b>          | <b>NR</b>       | <b>11.44</b>            | <b>106.9</b>       | <b>slightly cloudy</b> |
|              |                  |             |            |                      |                 |                         |                    |                        |
|              |                  |             |            |                      |                 |                         |                    |                        |
|              |                  |             |            |                      |                 |                         |                    |                        |
|              |                  |             |            |                      |                 |                         |                    |                        |

**Comments:** VOC samples collected on 5/22. PCB, pesticides, SVOCs and metals samples collected on 5/23.

**Bold readings are parameters recorded immediately before sample collection**

*Well went dry after purging 0.5 gal*

**Sampling ID:** MW-1-10

**Sampling Parameters:** ☐ CP-51 VOCs ☐ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☒ Full List TCL & CP-51 VOC

# WELL PURGE LOG

*LiRo Engineers, Inc.*

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-2-94

Site Name: Vibrattech - 537 E. Delavan

Date: 5/22/2019

Staff: D. Sheldon, C. Taylor

Time: 9:10  
(sample collected)

|                                              |      |         |                 |
|----------------------------------------------|------|---------|-----------------|
| A). Total casing and screen length in feet:  | 9.32 | Well ID | Volume (gal/ft) |
|                                              |      | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 4.71 | 2"      | 0.17            |
|                                              |      | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 4.61 | 4"      | 0.66            |
|                                              |      | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.17 | 6"      | 1.50            |
|                                              |      | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | 0.78 |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | 2.34 |         |                 |
| G). Volume of water actually removed (gal.): | 2.50 |         |                 |

## PURGE DATA

| Time | Temperature (°C) | pH   | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance      |
|------|------------------|------|----------|----------------------|-----------------|-------------------------|--------------------|-----------------|
| 9:00 | 8.89             | 6.15 | 81       | 0.270                | 730.0           | 14.89                   | NR                 | slightly cloudy |
| 9:03 | 9.65             | 6.82 | 127      | 0.505                | NR              | 13.70                   | 118.5              | slightly cloudy |
| 9:05 | 9.65             | 7.26 | 58       | 0.501                | NR              | 12.59                   | 114.6              | slightly cloudy |
|      |                  |      |          |                      |                 |                         |                    |                 |
|      |                  |      |          |                      |                 |                         |                    |                 |
|      |                  |      |          |                      |                 |                         |                    |                 |
|      |                  |      |          |                      |                 |                         |                    |                 |

### Comments:

**Bold readings are parameters recorded immediately before sample collection**

**Sampling ID:** MW-2

**Sampling Parameters:** ☐ CP-51 VOCs ☒ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☒ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-2-02

Site Name: Vibrattech - 537 E. Delavan

Date: 5/21/2019

Staff: D. Sheldon, C. Taylor

Time: 10:40  
(sample collected)

|                                              |       |         |                 |
|----------------------------------------------|-------|---------|-----------------|
| A). Total casing and screen length in feet:  | 11.48 | Well ID | Volume (gal/ft) |
|                                              |       | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 8.33  | 2"      | 0.17            |
|                                              |       | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 3.15  | 4"      | 0.66            |
|                                              |       | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.17  | 6"      | 1.50            |
|                                              |       | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | 0.54  |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | 1.62  |         |                 |
| G). Volume of water actually removed (gal.): | 1.50  |         |                 |

## PURGE DATA

| Time         | Temperature (°C) | pH          | ORP (mV)  | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance             |
|--------------|------------------|-------------|-----------|----------------------|-----------------|-------------------------|--------------------|------------------------|
| 10:28        | 12.11            | 7.62        | 56        | 0.873                | NR              | 12.35                   | 118.4              | cloudy and oily        |
| 10:34        | 11.01            | 7.32        | 62        | 0.887                | NR              | 12.32                   | 116.0              | cloudy and oily        |
| 10:37        | 10.53            | 7.34        | 68        | 0.896                | NR              | 12.23                   | 113.9              | cloudy and oily        |
| <b>10:40</b> | <b>10.62</b>     | <b>7.42</b> | <b>77</b> | <b>0.889</b>         | <b>NR</b>       | <b>11.86</b>            | <b>110.5</b>       | <b>cloudy and oily</b> |
|              |                  |             |           |                      |                 |                         |                    |                        |
|              |                  |             |           |                      |                 |                         |                    |                        |
|              |                  |             |           |                      |                 |                         |                    |                        |

### Comments:

**Bold readings are parameters recorded immediately before sample collection**

*Floating debris in purge and sampling water*

**Sampling ID:** MW-2-02

### Sampling Parameters:

(check one)

☐ CP-51 VOCs

☒ Other (list parameters below)

☐ CP-51 VOCs & SVOCs

☒ Full List TCL & CP-51 VOC



# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-2-10

Site Name: Vibrattech - 537 E. Delavan

Date: 5/22/2019-5/23/2019

Staff: D. Sheldon, C. Taylor

Time: 10:59-12:42  
(sample collected)

|                                              |       |         |                 |
|----------------------------------------------|-------|---------|-----------------|
| A). Total casing and screen length in feet:  | 18.10 | Well ID | Volume (gal/ft) |
|                                              |       | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 17.60 | 2"      | 0.17            |
|                                              |       | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 0.50  | 4"      | 0.66            |
|                                              |       | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.66  | 6"      | 1.50            |
|                                              |       | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | 0.33  |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | 0.99  |         |                 |
| G). Volume of water actually removed (gal.): | 0.25  |         |                 |

## PURGE DATA

| Time  | Temperature (°C) | pH   | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance |
|-------|------------------|------|----------|----------------------|-----------------|-------------------------|--------------------|------------|
| 10:38 | NR               | 8.10 | 175      | 0.709                | NR              | 12.20                   | 117.20             | cloudy     |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |

**Comments:** VOC samples collected on 5/22. PCB, pesticides, SVOCs and metals samples collected on 5/23.

**Bold readings are parameters recorded immediately before sample collection**

*Well went dry after each bailer*

**Sampling ID:** MW-2-10

**Sampling Parameters:** ☐ CP-51 VOCs ☒ Other (list parameters below)

(check one)

☐ CP-51 VOCs & SVOCs

☒ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-3-02

Site Name: Vibrattech - 537 E. Delavan

Date: 6/3/2019

Staff: D. Sheldon, C. Taylor

Time: NA  
(sample collected)

|                                              |       |         |                 |
|----------------------------------------------|-------|---------|-----------------|
| A). Total casing and screen length in feet:  | --    | Well ID | Volume (gal/ft) |
|                                              |       | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 9.00  | 2"      | 0.17            |
|                                              |       | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | NA    | 4"      | 0.66            |
|                                              |       | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.17  | 6"      | 1.50            |
|                                              |       | 8"      | 2.60            |
| E). Volume of water in casing (gal. [CxD]):  | NA    |         |                 |
| F). Volume of water to remove (gal.) [Ex3]:  | NA    |         |                 |
| G). Volume of water actually removed (gal.): | 25.50 |         |                 |

## PURGE DATA

| Time | Temperature (°C) | pH | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance |
|------|------------------|----|----------|----------------------|-----------------|-------------------------|--------------------|------------|
|------|------------------|----|----------|----------------------|-----------------|-------------------------|--------------------|------------|

Product continued to fill up well after purging. Product was sampled.

**Comments:** Well purged of product and water.

**Bold readings are parameters recorded immediately before sample collection**

Collected product sample @ 10:30

## Sampling ID:

**Sampling Parameters:** ☐ CP-51 VOCs ☒ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☒ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-3-02

Site Name: Vibrattech - 537 E. Delavan

Date: 10/2/2018

Staff: D. Sheldon, B. Czelusta

Time: 12:15  
(sample collected)

|                                              |      |         |                 |
|----------------------------------------------|------|---------|-----------------|
| A). Total casing and screen length in feet:  | NR   | Well ID | Volume (gal/ft) |
|                                              |      | 1"      | 0.04            |
| B). Water level below top of casing in feet: | NR   | 2"      | 0.17            |
|                                              |      | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | NA   | 4"      | 0.66            |
|                                              |      | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.17 | 6"      | 1.50            |
|                                              |      | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | NA   |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | NA   |         |                 |
| G). Volume of water actually removed (gal.): | NA   |         |                 |

## PURGE DATA

| Time  | Temperature (°C) | pH   | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance |
|-------|------------------|------|----------|----------------------|-----------------|-------------------------|--------------------|------------|
| 12:15 | 17.01            | 8.31 | -85      | 0.551                | NR              | 19.87                   | NR                 | clear      |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |

### Comments:

**Bold readings are parameters recorded immediately before sample collection**

**Sampling ID:** MW-3-02

### Sampling Parameters:

(check one)

☐ CP-51 VOCs

☒ Other (list parameters below)

☐ CP-51 VOCs & SVOCs

☒ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-3-10

Site Name: Vibrattech - 537 E. Delavan

Date: 5/22/2019-5/23/2019

Staff: D. Sheldon, C. Taylor

Time: 10:43-12:35  
(sample collected)

|                                              |       |         |                 |
|----------------------------------------------|-------|---------|-----------------|
| A). Total casing and screen length in feet:  | 17.55 | Well ID | Volume (gal/ft) |
|                                              |       | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 16.82 | 2"      | 0.17            |
|                                              |       | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 0.73  | 4"      | 0.66            |
|                                              |       | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.66  | 6"      | 1.50            |
|                                              |       | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | 0.48  |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | 1.44  |         |                 |
| G). Volume of water actually removed (gal.): | 0.50  |         |                 |

## PURGE DATA

| Time  | Temperature (°C) | pH   | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance |
|-------|------------------|------|----------|----------------------|-----------------|-------------------------|--------------------|------------|
| 10:30 | 12.14            | 6.01 | 225      | 1.96                 | NR              | 15.21                   | 143.2              | cloudy     |
| 10:35 | 12.14            | 8.02 | 220      | 0.744                | NR              | 10.93                   | 107.4              | cloudy     |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |

**Comments:** VOCs sample collected on 5/22. PCB, pesticides, SVOCs and metals sample collected on 5/23.

**Bold readings are parameters recorded immediately before sample collection**

*Well went dry after purging 0.5 gal.*

**Sampling ID:** MW-3-10

**Sampling Parameters:** ☐ CP-51 VOCs ☒ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☒ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-4-02

Site Name: Vibrattech - 537 E. Delavan

Date: 6/6/2019

Staff: D. Sheldon, B. Czelusta

Time: 14:30  
(sample collected)

|                                              |      |         |                 |
|----------------------------------------------|------|---------|-----------------|
| A). Total casing and screen length in feet:  | NR   | Well ID | Volume (gal/ft) |
|                                              |      | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 7.50 | 2"      | 0.17            |
|                                              |      | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | NA   | 4"      | 0.66            |
|                                              |      | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.17 | 6"      | 1.50            |
|                                              |      | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | NA   |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | NA   |         |                 |
| G). Volume of water actually removed (gal.): | 2.00 |         |                 |

## PURGE DATA

| Time  | Temperature (°C) | pH   | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance       |
|-------|------------------|------|----------|----------------------|-----------------|-------------------------|--------------------|------------------|
| 14:20 | 20.44            | 8.40 | -149     | 0.572                | NR              | 11.69                   | NR                 | clear with sheen |
|       |                  |      |          |                      |                 |                         |                    |                  |
|       |                  |      |          |                      |                 |                         |                    |                  |
|       |                  |      |          |                      |                 |                         |                    |                  |
|       |                  |      |          |                      |                 |                         |                    |                  |
|       |                  |      |          |                      |                 |                         |                    |                  |
|       |                  |      |          |                      |                 |                         |                    |                  |

### Comments:

**Bold readings are parameters recorded immediately before sample collection**

*Well was purged with vacuum to remove product.*

**Sampling ID:** MW-4-02

**Sampling Parameters:** ☐ CP-51 VOCs ☒ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☒ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-5-94

Site Name: Vibrattech - 537 E. Delavan

Date: 6/3/2019

Staff: D. Sheldon, C. Taylor

Time: 10:00  
(sample collected)

|                                              |      |         |                 |
|----------------------------------------------|------|---------|-----------------|
| A). Total casing and screen length in feet:  | 8.40 | Well ID | Volume (gal/ft) |
|                                              |      | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 7.29 | 2"      | 0.17            |
|                                              |      | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 1.11 | 4"      | 0.66            |
|                                              |      | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.17 | 6"      | 1.50            |
|                                              |      | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | 0.19 |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | 0.57 |         |                 |
| G). Volume of water actually removed (gal.): | NA   |         |                 |

## PURGE DATA

| Time  | Temperature (°C) | pH   | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance |
|-------|------------------|------|----------|----------------------|-----------------|-------------------------|--------------------|------------|
| 10:00 | 10.36            | 8.22 | 30       | 0.882                | NR              | 8.63                    | 81.8               | clear      |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |

### Comments:

**Bold readings are parameters recorded immediately before sample collection**

*Well purged with vacuum to remove product.*

**Sampling ID:** MW-5

**Sampling Parameters:** ☐ CP-51 VOCs ☒ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☒ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: **MW-6**

Site Name: Vibrattech - 537 E. Delavan

Date: \_\_\_\_\_

Staff: \_\_\_\_\_

Time: \_\_\_\_\_  
(sample collected)

A). Total casing and screen length in feet:

Well ID      Volume (gal/ft)

1"              0.04

B). Water level below top of casing in feet:

2"              0.17

3"              0.38

C). Number of feet standing water [A-B]:              0.00

4"              0.66

D). Volume of water/foot of casing (gal.):              0.17

5"              1.04

E). Volume of water in casing (gal. [Cx D]):              0.00

6"              1.50

F). Volume of water to remove (gal.) [Ex3]:              0

8"              2.60

G). Volume of water actually removed (gal.):

## PURGE DATA

| Time | Temperature<br>(°C) | pH | ORP<br>(mV) | Conductivity<br>(ms/cm) | Turbidity<br>(NTU) | Dissolved<br>Oxygen<br>(mg/L) | Dissolved<br>Oxygen % | Appearance |
|------|---------------------|----|-------------|-------------------------|--------------------|-------------------------------|-----------------------|------------|
|      |                     |    |             |                         |                    |                               |                       |            |
|      |                     |    |             |                         |                    |                               |                       |            |
|      |                     |    |             |                         |                    |                               |                       |            |
|      |                     |    |             |                         |                    |                               |                       |            |
|      |                     |    |             |                         |                    |                               |                       |            |
|      |                     |    |             |                         |                    |                               |                       |            |
|      |                     |    |             |                         |                    |                               |                       |            |

## Comments:

**Bold readings are parameters recorded immediately before sample collection**

**Sampling ID:** MW-6

## Sampling Parameters:

(check one)

☐ CP-51 VOCs

☒ Other (list parameters below)

☐ CP-51 VOCs & SVOCs

☒ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-6-10

Site Name: Vibrattech - 537 E. Delavan

Date: 5/23/2019

Staff: C. Taylor, J. Williams

Time: 12:00  
(sample collected)

|                                              |       |         |                 |
|----------------------------------------------|-------|---------|-----------------|
| A). Total casing and screen length in feet:  | 18.71 | Well ID | Volume (gal/ft) |
|                                              |       | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 6.29  | 2"      | 0.17            |
|                                              |       | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 12.42 | 4"      | 0.66            |
|                                              |       | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.66  | 6"      | 1.50            |
|                                              |       | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | 8.20  |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | 24.6  |         |                 |
| G). Volume of water actually removed (gal.): | 24.00 |         |                 |

## PURGE DATA

| Time  | Temperature (°C) | pH    | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance      |
|-------|------------------|-------|----------|----------------------|-----------------|-------------------------|--------------------|-----------------|
| 10:00 | 13.72            | 10.09 | 79       | 0.443                | NR              | 15.25                   | 146.2              | slightly cloudy |
| 10:05 | 12.54            | 10.02 | 41       | 0.565                | NR              | 12.56                   | 121.9              | slightly cloudy |
| 10:07 | 11.99            | 10.02 | 15       | 0.542                | NR              | 11.62                   | 111.3              | slightly cloudy |
| 10:09 | 11.83            | 9.97  | 3        | 0.461                | NR              | 11.24                   | 107.5              | slightly cloudy |
| 10:11 | 11.62            | 9.95  | -4       | 0.433                | NR              | 10.94                   | 104.2              | slightly cloudy |
| 10:19 | 12.47            | 8.74  | 33       | 0.768                | NR              | 11.51                   | 111.6              | slightly cloudy |
| 11:29 | 13.30            | 8.44  | 88       | 0.781                | NR              | 13.62                   | 132.5              | slightly cloudy |

## Comments:

**Bold readings are parameters recorded immediately before sample collection**

**Sampling ID:** MW-6-10

## Sampling Parameters:

(check one)

☐ CP-51 VOCs

☒ Other (list parameters below)

☐ CP-51 VOCs & SVOCs

☒ Full List TCL & CP-51 VOC



# WELL PURGE LOG

*LiRo Engineers, Inc.*

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-6-10

Site Name: Vibrattech - 537 E. Delavan

Date: 5/23/2019

Staff: C. Taylor, J. Williams

Time: 12:00  
(sample collected)

|                                              |       |         |                 |
|----------------------------------------------|-------|---------|-----------------|
| A). Total casing and screen length in feet:  | 18.71 | Well ID | Volume (gal/ft) |
|                                              |       | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 6.29  | 2"      | 0.17            |
|                                              |       | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 12.42 | 4"      | 0.66            |
|                                              |       | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.66  | 6"      | 1.50            |
|                                              |       | 8"      | 2.60            |
| E). Volume of water in casing (gal. [CxD]):  | 8.20  |         |                 |
| F). Volume of water to remove (gal.) [Ex3]:  | 24.6  |         |                 |
| G). Volume of water actually removed (gal.): |       |         |                 |

## PURGE DATA

| Time  | Temperature (°C) | pH   | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance      |
|-------|------------------|------|----------|----------------------|-----------------|-------------------------|--------------------|-----------------|
| 11:43 | 12.87            | 8.45 | 87       | 0.790                | NR              | 12.53                   | 122.2              | slightly cloudy |
| 11:59 | 12.07            | 8.39 | 70       | 0.799                | NR              | 11.47                   | 110.2              | slightly cloudy |
|       |                  |      |          |                      |                 |                         |                    |                 |
|       |                  |      |          |                      |                 |                         |                    |                 |
|       |                  |      |          |                      |                 |                         |                    |                 |
|       |                  |      |          |                      |                 |                         |                    |                 |
|       |                  |      |          |                      |                 |                         |                    |                 |

### Comments:

**Bold readings are parameters recorded immediately before sample collection**

**Sampling ID:** MW-6-10

**Sampling Parameters:** ☐ CP-51 VOCs ☒ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☒ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-7-94

Site Name: Vibrattech - 537 E. Delavan

Date: 5/21/2019

Staff: D. Sheldon, C. Taylor

Time: 11:17  
(sample collected)

|                                              |      |         |                 |
|----------------------------------------------|------|---------|-----------------|
| A). Total casing and screen length in feet:  | 8.01 | Well ID | Volume (gal/ft) |
|                                              |      | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 7.20 | 2"      | 0.17            |
|                                              |      | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 0.81 | 4"      | 0.66            |
|                                              |      | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.17 | 6"      | 1.50            |
|                                              |      | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | 0.14 |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | 0.42 |         |                 |
| G). Volume of water actually removed (gal.): | 0.20 |         |                 |

## PURGE DATA

| Time  | Temperature (°C) | pH   | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance |
|-------|------------------|------|----------|----------------------|-----------------|-------------------------|--------------------|------------|
| 10:10 | 15.50            | 7.71 | 121      | 0.184                | NR              | 16.02                   | NR                 | turbid     |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |

**Comments:** Well sampled for VOCs and metals.

**Bold readings are parameters recorded immediately before sample collection**

*Well went dry after purging 0.2 gal.*

**Sampling ID:** MW-7-94

**Sampling Parameters:** ☐ CP-51 VOCs ☒ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☒ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-7-03

Site Name: Vibrattech - 537 E. Delavan

Date: 5/31/2019-6/3/2019

Staff: D. Sheldon, J. Williams

Time: 13:15-14:20  
(sample collected)

|                                              |       |         |                 |
|----------------------------------------------|-------|---------|-----------------|
| A). Total casing and screen length in feet:  | 15.00 | Well ID | Volume (gal/ft) |
|                                              |       | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 9.00  | 2"      | 0.17            |
|                                              |       | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 6.00  | 4"      | 0.66            |
|                                              |       | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.17  | 6"      | 1.50            |
|                                              |       | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | 1.02  |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | 3.06  |         |                 |
| G). Volume of water actually removed (gal.): | 0.90  |         |                 |

## PURGE DATA

| Time  | Temperature (°C) | pH   | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance |
|-------|------------------|------|----------|----------------------|-----------------|-------------------------|--------------------|------------|
| 13:00 | 14.03            | 8.38 | -173     | 0.998                | NR              | 13.00                   | NR                 | clear      |
| 13:02 | 14.43            | 8.55 | -171     | 1.06                 | NR              | 9.20                    | NR                 | turbid     |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |

**Comments:** VOCs, metals and SVOCs samples taken on 5/31. PCBs, pesticides, hydrocarbons and dioxane samples taken on 6/3.

**Bold readings are parameters recorded immediately before sample collection**

*Well purged dry after 0.9 gal*

**Sampling ID:** MW-7-03

**Sampling Parameters:** ☐ CP-51 VOCs ☐ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☐ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-8-03

Site Name: Vibrattech - 537 E. Delavan

Date: 5/31/2019

Staff: D. Sheldon, J. Williams

Time: 10:45  
(sample collected)

|                                              |       |         |                 |
|----------------------------------------------|-------|---------|-----------------|
| A). Total casing and screen length in feet:  | 12.70 | Well ID | Volume (gal/ft) |
|                                              |       | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 7.70  | 2"      | 0.17            |
|                                              |       | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 5.00  | 4"      | 0.66            |
|                                              |       | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.17  | 6"      | 1.50            |
|                                              |       | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | 0.85  |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | 2.55  |         |                 |
| G). Volume of water actually removed (gal.): | 2.00  |         |                 |

## PURGE DATA

| Time         | Temperature (°C) | pH          | ORP (mV)    | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance              |
|--------------|------------------|-------------|-------------|----------------------|-----------------|-------------------------|--------------------|-------------------------|
| 10:45        | 13.85            | 8.21        | -86         | 0.827                | NR              | 6.00                    | NR                 | clear with sheen        |
| <b>11:00</b> | <b>15.99</b>     | <b>8.43</b> | <b>-150</b> | <b>0.853</b>         | <b>NR</b>       | <b>7.33</b>             | <b>NR</b>          | <b>clear with sheen</b> |
|              |                  |             |             |                      |                 |                         |                    |                         |
|              |                  |             |             |                      |                 |                         |                    |                         |
|              |                  |             |             |                      |                 |                         |                    |                         |
|              |                  |             |             |                      |                 |                         |                    |                         |
|              |                  |             |             |                      |                 |                         |                    |                         |

**Comments:** Duplicate sample taken at this location.

**Bold readings are parameters recorded immediately before sample collection**

*Product in well. Well purged dry after 2.0 gal*

**Sampling ID:** MW-8-03

**Sampling Parameters:** ☐ CP-51 VOCs ☐ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☐ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-10-03

Site Name: Vibrattech - 537 E. Delavan

Date: 6/3/2019

Staff: D. Sheldon, C. Taylor

Time: 15:15  
(sample collected)

|                                              |        |         |                 |
|----------------------------------------------|--------|---------|-----------------|
| A). Total casing and screen length in feet:  | 14.00  | Well ID | Volume (gal/ft) |
|                                              |        | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 9.26   | 2"      | 0.17            |
|                                              |        | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 4.74   | 4"      | 0.66            |
|                                              |        | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.17   | 6"      | 1.50            |
|                                              |        | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | 0.81   |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | 2.4174 |         |                 |
| G). Volume of water actually removed (gal.): | 0.75   |         |                 |

## PURGE DATA

| Time         | Temperature (°C) | pH          | ORP (mV)   | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance    |
|--------------|------------------|-------------|------------|----------------------|-----------------|-------------------------|--------------------|---------------|
| 14:15        | 15.72            | 8.36        | 5          | 0.601                | NR              | 17.02                   | NR                 | cloudy        |
| <b>14:30</b> | <b>13.92</b>     | <b>8.35</b> | <b>-65</b> | <b>0.695</b>         | <b>NR</b>       | <b>11.62</b>            | <b>118.4</b>       | <b>turbid</b> |
|              |                  |             |            |                      |                 |                         |                    |               |
|              |                  |             |            |                      |                 |                         |                    |               |
|              |                  |             |            |                      |                 |                         |                    |               |
|              |                  |             |            |                      |                 |                         |                    |               |
|              |                  |             |            |                      |                 |                         |                    |               |

**Comments:** VOCs, SVOCs, metals, PCBs and pesticides sample taken.

**Bold readings are parameters recorded immediately before sample collection**

*Well purged dry after 0.75 gal*

**Sampling ID:** MW-10-03

**Sampling Parameters:** ☐ CP-51 VOCs ☐ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☐ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-11-03

Site Name: Vibrattech - 537 E. Delavan

Date: 5/22/2019

Staff: D. Sheldon, C. Taylor

Time: 11:40  
(sample collected)

|                                              |        |         |                 |
|----------------------------------------------|--------|---------|-----------------|
| A). Total casing and screen length in feet:  | 13.56  | Well ID | Volume (gal/ft) |
|                                              |        | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 9.44   | 2"      | 0.17            |
|                                              |        | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 4.12   | 4"      | 0.66            |
|                                              |        | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.17   | 6"      | 1.50            |
|                                              |        | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | 0.70   |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | 2.1012 |         |                 |
| G). Volume of water actually removed (gal.): | 0.75   |         |                 |

## PURGE DATA

| Time  | Temperature (°C) | pH   | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance |
|-------|------------------|------|----------|----------------------|-----------------|-------------------------|--------------------|------------|
| 11:24 | 12.64            | 8.15 | -165     | 1.050                | NR              | 15.27                   | 137.2              | cloudy     |
| 11:29 | 11.87            | 8.17 | -193     | 1.060                | NR              | 11.08                   | 106.1              | cloudy     |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |

### Comments:

**Bold readings are parameters recorded immediately before sample collection**

*Well purged dry after 0.75 gal*

**Sampling ID:** MW-11-03

**Sampling Parameters:** ☐ CP-51 VOCs ☐ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☒ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: MW-13-03

Site Name: Vibrattech - 537 E. Delavan

Date: 5/22/2019

Staff: D. Sheldon, C. Taylor

Time: 13:43  
(sample collected)

|                                              |       |         |                 |
|----------------------------------------------|-------|---------|-----------------|
| A). Total casing and screen length in feet:  | 11.50 | Well ID | Volume (gal/ft) |
|                                              |       | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 10.60 | 2"      | 0.17            |
|                                              |       | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 0.90  | 4"      | 0.66            |
|                                              |       | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.17  | 6"      | 1.50            |
|                                              |       | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | 0.15  |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | 0.45  |         |                 |
| G). Volume of water actually removed (gal.): | 0.50  |         |                 |

## PURGE DATA

| Time  | Temperature (°C) | pH   | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance |
|-------|------------------|------|----------|----------------------|-----------------|-------------------------|--------------------|------------|
| 12:13 | 13.21            | 8.15 | -23      | 0.889                | NR              | 14.33                   | NR                 | clear      |
| 12:18 | 13.39            | 8.22 | -7       | 0.992                | NR              | 11.51                   | NR                 | turbid     |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |

### Comments:

**Bold readings are parameters recorded immediately before sample collection**

*Well purged dry after 0.5 gal.*

**Sampling ID:** MW-13-03

**Sampling Parameters:** ☒ CP-51 VOCs ☒ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☒ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: LMW-01

Site Name: Vibrattech - 537 E. Delavan

Date: 5/21/2019

Staff: D. Sheldon, C. Taylor

Time: 12:00  
(sample collected)

|                                              |       |         |                 |
|----------------------------------------------|-------|---------|-----------------|
| A). Total casing and screen length in feet:  | 20.57 | Well ID | Volume (gal/ft) |
|                                              |       | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 18.19 | 2"      | 0.17            |
|                                              |       | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 2.38  | 4"      | 0.66            |
|                                              |       | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.17  | 6"      | 1.50            |
|                                              |       | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | 0.40  |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | 1.2   |         |                 |
| G). Volume of water actually removed (gal.): | 1.25  |         |                 |

## PURGE DATA

| Time  | Temperature (°C) | pH   | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance      |
|-------|------------------|------|----------|----------------------|-----------------|-------------------------|--------------------|-----------------|
| 11:49 | 11.76            | 7.73 | 73       | 1.13                 | NR              | 18.52                   | 167.4              | slightly cloudy |
| 11:53 | 11.04            | 7.41 | -45      | 1.12                 | NR              | 11.81                   | 116.7              | slightly cloudy |
| 11:56 | 10.56            | 7.37 | -15      | 1.13                 | NR              | 11.45                   | 106.6              | slightly cloudy |
| 11:58 | 10.49            | 7.43 | 19       | 1.13                 | NR              | 11.73                   | 108.6              | slightly cloudy |
| 12:00 | 11.37            | 7.53 | 85       | 1.09                 | NR              | 16.05                   | 149.6              | slightly cloudy |
|       |                  |      |          |                      |                 |                         |                    |                 |
|       |                  |      |          |                      |                 |                         |                    |                 |

### Comments:

**Bold readings are parameters recorded immediately before sample collection**

*MS/MSD taken at this location*

**Sampling ID:** LMW-01

**Sampling Parameters:** ☐ CP-51 VOCs ☒ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☒ Full List TCL & CP-51 VOC



# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: LMW-02

Site Name: Vibrattech - 537 E. Delavan

Date: 5/29/2019

Staff: D. Sheldon, J. Williams

Time: 14:20  
(sample collected)

|                                              |       |         |                 |
|----------------------------------------------|-------|---------|-----------------|
| A). Total casing and screen length in feet:  | 20.25 | Well ID | Volume (gal/ft) |
|                                              |       | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 14.21 | 2"      | 0.17            |
|                                              |       | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 6.04  | 4"      | 0.66            |
|                                              |       | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.17  | 6"      | 1.50            |
|                                              |       | 8"      | 2.60            |
| E). Volume of water in casing (gal. [CxD]):  | 1.03  |         |                 |
| F). Volume of water to remove (gal.) [Ex3]:  | 3.09  |         |                 |
| G). Volume of water actually removed (gal.): | 3.00  |         |                 |

## PURGE DATA

| Time         | Temperature (°C) | pH          | ORP (mV)   | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance      |
|--------------|------------------|-------------|------------|----------------------|-----------------|-------------------------|--------------------|-----------------|
| 11:10        | 11.46            | 8.07        | -147       | 0.849                | NR              | 9.83                    | NR                 | clear           |
| 11:13        | 11.02            | 8.00        | -168       | 0.864                | NR              | 7.38                    | NR                 | slightly cloudy |
| 11:18        | 10.94            | 8.67        | -219       | 0.807                | NR              | 7.17                    | NR                 | slightly cloudy |
| 11:25        | 10.95            | 8.79        | -86        | 0.828                | NR              | 7.18                    | NR                 | clear           |
| <b>14:20</b> | <b>12.52</b>     | <b>8.18</b> | <b>-38</b> | <b>0.830</b>         | <b>NR</b>       | <b>15.42</b>            | <b>NR</b>          | <b>clear</b>    |
|              |                  |             |            |                      |                 |                         |                    |                 |
|              |                  |             |            |                      |                 |                         |                    |                 |

### Comments:

**Bold readings are parameters recorded immediately before sample collection**

*Slight sulfur odor.*

**Sampling ID:** LMW-02

### Sampling Parameters:

(check one)

☐ CP-51 VOCs

☒ Other (list parameters below)

☐ CP-51 VOCs & SVOCs

☐ Full List TCL & CP-51 VOC

# WELL PURGE LOG

*LiRo Engineers, Inc.*

Project Title: NYSDEC I&R - Vibrattech

Well Number: LMW-03

Site Name: Vibrattech - 537 E. Delavan

Date: 5/29/2019

Staff: D. Sheldon, J. Williams

Time: 10:40  
(sample collected)

|                                              |       |         |                 |
|----------------------------------------------|-------|---------|-----------------|
| A). Total casing and screen length in feet:  | 20.83 | Well ID | Volume (gal/ft) |
|                                              |       | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 15.00 | 2"      | 0.17            |
|                                              |       | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | 5.83  | 4"      | 0.66            |
|                                              |       | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 0.17  | 6"      | 1.50            |
|                                              |       | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | 0.99  |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | 2.97  |         |                 |
| G). Volume of water actually removed (gal.): | 3.00  |         |                 |

## PURGE DATA

| Time  | Temperature (°C) | pH   | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance |
|-------|------------------|------|----------|----------------------|-----------------|-------------------------|--------------------|------------|
| 10:04 | 11.98            | 7.82 | 176      | 0.791                | NR              | 9.70                    | NR                 | clear      |
| 10:09 | 11.09            | 7.92 | 160      | 0.820                | NR              | 6.21                    | NR                 | clear      |
| 10:15 | 11.25            | 7.99 | 144      | 0.847                | NR              | 6.70                    | NR                 | clear      |
| 10:20 | 11.05            | 7.96 | 136      | 0.867                | NR              | 5.38                    | NR                 | clear      |
| 10:40 | 11.02            | 8.33 | 94       | 0.850                | NR              | 9.62                    | NR                 | clear      |
|       |                  |      |          |                      |                 |                         |                    |            |
|       |                  |      |          |                      |                 |                         |                    |            |

### Comments:

**Bold readings are parameters recorded immediately before sample collection**

**Sampling ID:** LMW-03

**Sampling Parameters:** ☐ CP-51 VOCs ☒ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☐ Full List TCL & CP-51 VOC

# WELL PURGE LOG

**LiRo Engineers, Inc.**

Project Title: NYSDEC I&R - Vibrattech

Well Number: DEEP SUMP

Site Name: Vibrattech - 537 E. Delavan

Date: 6/6/2019

Staff: D. Sheldon, B. Czelusta

Time: 12:30  
(sample collected)

|                                              |      |         |                 |
|----------------------------------------------|------|---------|-----------------|
| A). Total casing and screen length in feet:  | NA   | Well ID | Volume (gal/ft) |
|                                              |      | 1"      | 0.04            |
| B). Water level below top of casing in feet: | 7.52 | 2"      | 0.17            |
|                                              |      | 3"      | 0.38            |
| C). Number of feet standing water [A-B]:     | NA   | 4"      | 0.66            |
|                                              |      | 5"      | 1.04            |
| D). Volume of water/foot of casing (gal.):   | 2.6  | 6"      | 1.50            |
|                                              |      | 8"      | 2.60            |
| E). Volume of water in casing (gal. [Cx D]): | NA   |         |                 |
| F). Volume of water to remove (gal.) [Ex 3]: | NA   |         |                 |
| G). Volume of water actually removed (gal.): | 6.00 |         |                 |

## PURGE DATA

| Time  | Temperature (°C) | pH   | ORP (mV) | Conductivity (ms/cm) | Turbidity (NTU) | Dissolved Oxygen (mg/L) | Dissolved Oxygen % | Appearance      |
|-------|------------------|------|----------|----------------------|-----------------|-------------------------|--------------------|-----------------|
| 12:13 | 14.83            | 8.46 | 116      | 0.489                | NR              | 20.44                   | NR                 | slightly cloudy |
| 12:18 | 14.10            | 8.48 | 113      | 0.482                | NR              | 14.63                   | NR                 | slightly cloudy |
| 12:20 | 13.37            | 8.53 | 106      | 0.478                | NR              | 13.31                   | NR                 | slightly cloudy |
| 12:22 | 13.56            | 8.53 | 99       | 0.488                | NR              | 13.00                   | NR                 | slightly cloudy |
| 12:24 | 13.61            | 8.63 | 88       | 0.488                | NR              | 12.08                   | NR                 | slightly cloudy |
| 12:26 | 13.55            | 8.68 | 82       | 0.492                | NR              | 11.87                   | NR                 | slightly cloudy |
| 12:30 | 13.56            | 8.66 | 77       | 0.494                | NR              | 11.85                   | NR                 | slightly cloudy |

### Comments:

**Bold readings are parameters recorded immediately before sample collection**

*Trace oil emulsion*

**Sampling ID:** DEEP SUMP

**Sampling Parameters:** ☐ CP-51 VOCs ☒ Other (list parameters below)  
(check one) ☐ CP-51 VOCs & SVOCs \_\_\_\_\_  
☒ Full List TCL & CP-51 VOC



**ATTACHMENT C**

Product Removal Field Activities and Estimated Volume  
(Electronic Copy Only)

**ATTACHMENT C: TABLE 1**  
**SUMMARY OF PRODUCT REMOVALS: SEPTEMBER 2018 to JULY 2019**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| Well ID   | Date      | Depth to Water (feet) | Depth to Product (feet) | Estimated Product Removed (Gallons) | Notes                                                                         |
|-----------|-----------|-----------------------|-------------------------|-------------------------------------|-------------------------------------------------------------------------------|
| Deep Sump | 9/25/2018 | NR                    | 9.80                    | 0.75                                | Product is thicker than motor oil, not as thick as #6                         |
|           | 9/26/2018 | NR                    | 6.35                    | 0.25                                |                                                                               |
|           | 10/3/2018 | NR                    | NR                      | 0.11                                |                                                                               |
|           | 10/9/2018 | NR                    | NR                      | 0.03                                |                                                                               |
|           | 2/7/2019  | 5.90                  | 5.70                    | 0.50                                | Approximately 5 gallons of mixed fluids (i.e. water/oil) removed by vacuum.   |
|           | 2/13/2019 | 8.01                  | 8.00                    | NA                                  | Very little oil in well, small amount on the probe tip.                       |
| MW-01-02  | 10/2/2018 | 9.95                  | 9.65                    | 0.20                                |                                                                               |
|           | 10/3/2018 | NR                    | 7.33                    | 0.11                                |                                                                               |
|           | 10/9/2018 | NR                    | NR                      | 0.11                                |                                                                               |
|           | 2/13/2019 | 10.10                 | 7.10                    | 1.50                                |                                                                               |
|           | 5/20/2019 | NR                    | NR                      | 1.00                                | Approximately 10 gallons of mixed fluids (i.e. water/oil) removed by vacuum.  |
|           | 7/30/2019 | NR                    | NR                      | 2.00                                | Approximately 2.0 gallons of primarily oil removed by vacuum.                 |
| MW-02-02  | 10/2/2018 | NR                    | NR                      | 0.05                                |                                                                               |
|           | 10/3/2018 | NR                    | NR                      | 0.13                                |                                                                               |
|           | 2/13/2019 | 7.53                  | 7.41                    | 0.10                                | Well vacuumed dry.                                                            |
| MW-03-02  | 10/2/2018 | 6.90                  | 6.28                    | 0.10                                |                                                                               |
|           | 10/3/2018 | NR                    | NR                      | 0.11                                |                                                                               |
|           | 10/9/2018 | NR                    | NR                      | 0.11                                |                                                                               |
|           | 2/13/2019 | 7.05                  | 7.55                    | 0.75                                |                                                                               |
|           | 6/3/2019  | 9.00                  | 8.30                    | 2.50                                |                                                                               |
|           | 7/30/2019 | NR                    | NR                      | 0.50                                |                                                                               |
| MW-04-02  | 9/26/2018 | 4.53                  | 4.50                    | 0.05                                | Small volume of oil remains in well.                                          |
|           | 2/13/2019 | 6.37                  | 5.75                    | 0.25                                | Well vacuumed dry.                                                            |
|           | 7/30/2019 | NR                    | NR                      | 0.15                                |                                                                               |
| MW-05-94  | 6/3/2019  | 7.29                  | 7.00                    | 0.25                                |                                                                               |
| MW-06-94  | 5/20/2019 | NR                    | NR                      | 0.15                                | Approximately 1.5 gallons of mixed fluids (i.e. water/oil) removed by vacuum. |
| MW-08-03  | 5/31/2019 | 7.70                  | 7.50                    | 0.25                                |                                                                               |
|           | 7/30/2019 | NR                    | NR                      | 0.10                                |                                                                               |

12.09      Estimated Volume of Free-Product Removed (Gallons)

Notes:

1) NR = Not Recorded.



**ATTACHMENT D**  
Laboratory Analytical Reports  
(Electronic Copy Only)



**ATTACHMENT D**

Laboratory Analytical Reports  
(Electronic Copy Only)

**SUMMARY OF LABORATORY DATA REPORTS, SAMPLING LOCATIONS AND DATES**  
**2Q2019**  
**NYSDEC - VIBRATECH SITE, SITE #915165**  
**537 E. DELAVAN AVENUE, BUFFALO, NEW YORK**

| <b>TestAmerica<br/>Laboratory<br/>Data Report</b> | <b>Sampling<br/>Date</b> | <b>Lab Data Report Includes<br/>Results for the Following Locations</b>                        | <b>Notes</b>                                             |
|---------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| J153849-1                                         | 5/20/2019                | MW-06-94, MW-06-94-Duplicate, MW-01-02                                                         |                                                          |
| J153914-1                                         | 5/21/2019                | MW-02-94, MW-2-02, LMW-01, MW-07-94                                                            |                                                          |
| J153957-1                                         | 5/22/2019                | MW-01-94, MW-07-94, MW-10-03, MW-11-03,<br>MW-01-10, MW-02-10, MW-03-10                        |                                                          |
| J154079-1                                         | 5/23/2019                | MW-06-10, MW-06-10-Duplicate, MW-01-10,<br>MW-02-10, MW-03-10                                  |                                                          |
| J154306-1                                         | 5/29/2019                | <del>MW-01-10</del> , MW-01-94, LMW-02, LMW-03                                                 | COC on 5/29/2019 incorrectly lists MW-01-94 as MW-01-10. |
| J154313-1                                         | 5/31/2019                | MW-08-03, MW-08-03-Duplicate, MW-07-03                                                         |                                                          |
| J154380-1                                         | 6/3/2019                 | MW-05-94, MW-07-03, MW-10-03, MW-03-02 (Oil)                                                   |                                                          |
| J154627-1                                         | 6/6/2019                 | MW-02-10, MW-10-03, Deep Sump,<br>Deep Sump-Duplicate, MW-04-02                                |                                                          |
| J154675-1                                         | 6/7/2019                 | <del>MW-03-03, MW-03-03-Duplicate</del> , MW-03-02, MW-03-02-<br>Duplicate, MW-01-10, MW-03-10 | COC on 6/7/2019 incorrectly lists MW-03-02 as MW-03-03.  |
| J155341-1                                         | 6/21/2019                | MW-07-94, MW-13-03                                                                             |                                                          |



## ANALYTICAL REPORT

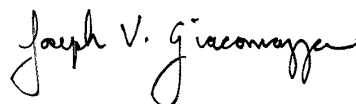
Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-153849-1  
Client Project/Site: Vibratex #915165

For:

New York State D.E.C.  
270 Michigan Avenue  
Buffalo, New York 14203

Attn: Mr. Maurice Moore



Authorized for release by:  
6/12/2019 9:33:05 AM

Joe Giacomazza, Project Management Assistant II  
[joe.giacomazza@testamericainc.com](mailto:joe.giacomazza@testamericainc.com)

Designee for

Orlette Johnson, Senior Project Manager  
(484)685-0864  
[orlette.johnson@testamericainc.com](mailto:orlette.johnson@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

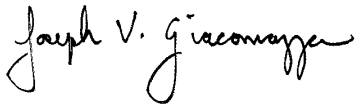
*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail 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.*

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



---

Joe Giacomazza  
Project Management Assistant II  
6/12/2019 9:33:05 AM

# Table of Contents

|                                    |    |
|------------------------------------|----|
| Cover Page . . . . .               | 1  |
| Table of Contents . . . . .        | 3  |
| Definitions . . . . .              | 4  |
| Case Narrative . . . . .           | 5  |
| Detection Summary . . . . .        | 7  |
| Client Sample Results . . . . .    | 9  |
| Surrogate Summary . . . . .        | 24 |
| QC Sample Results . . . . .        | 26 |
| QC Association . . . . .           | 39 |
| Chronicle . . . . .                | 42 |
| Certification Summary . . . . .    | 44 |
| Method Summary . . . . .           | 46 |
| Sample Summary . . . . .           | 47 |
| Chain of Custody . . . . .         | 48 |
| Receipt Checklists . . . . .       | 53 |
| Isotope Dilution Summary . . . . . | 54 |



## Definitions/Glossary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

### 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                              |
|-----------|----------------------------------------------------|
| *         | RPD of the LCS and LCSD exceeds the control limits |
| E         | Result exceeded calibration range.                 |
| X         | Surrogate is outside control limits                |

#### 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. |

#### Metals

| 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. |

### 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                                                                                        |
| 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)                                                                             |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| PQL            | Practical Quantitation Limit                                                                                |
| 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)                                                                       |

# Case Narrative

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153849-1

## Job ID: 480-153849-1

### Laboratory: Eurofins TestAmerica, Buffalo

#### Narrative

#### Job Narrative 480-153849-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/20/2019 4:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 0.4° C, 2.4° C and 3.6° C.

#### GC/MS VOA

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

#### GC/MS Semi VOA

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: MW-1-02 (480-153849-3). These results have been reported and qualified.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-474982 recovered outside acceptance criteria, low biased, for 3-Nitroaniline and Carbazole. 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.

Method(s) 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for batch preparation batch 480-474281 and analytical batch 480-474982 recovered outside control limits for the following analytes: Acetophenone. The following samples are impacted: MW-06-GW (480-153849-1), MW-06-GW-DUP (480-153849-2) and MW-1-02 (480-153849-3).

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: MW-06-GW (480-153849-1), MW-06-GW-DUP (480-153849-2) and MW-1-02 (480-153849-3). Elevated reporting limits (RLs) are provided.

Method(s) 8270D SIM ID: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-1-02 (480-153849-3). Elevated reporting limits (RLs) are provided.

Method(s) 8270D SIM ID: The 1,4-Dioxane result reported for samples MW-06-GW (480-153849-1) and MW-06-GW-DUP (480-153849-2) 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.

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

#### GC Semi VOA

Method(s) 310.13: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-06-GW (480-153849-1), MW-06-GW-DUP (480-153849-2) and MW-1-02 (480-153849-3). 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.

#### Metals

Method(s) 6010C: The method blank for preparation batch 480-474194 and analytical batch 480-475832 contained Total Iron above the reporting limit (RL). Associated sample(s) MW-1-02 (480-153849-3) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

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 (MS/MSD) associated with preparation batch 480-474281.

## Case Narrative

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153849-1

---

### Job ID: 480-153849-1 (Continued)

---

#### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method(s) 3510C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: MW-1-02 (480-153849-3). The reporting limits (RLs) have been adjusted proportionately.

Method(s) 3510C: The following sample required a Florisil clean-up, via 3620C, to reduce matrix interferences: MW-06-GW (480-153849-1).

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

#### VOA Prep

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

# Detection Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

## Client Sample ID: MW-06-GW

## Lab Sample ID: 480-153849-1

| Analyte                | Result  | Qualifier | RL     | MDL     | Unit | Dil | Fac | D | Method       | Prep Type |
|------------------------|---------|-----------|--------|---------|------|-----|-----|---|--------------|-----------|
| 1,1-Dichloroethane     | 2.1     |           | 1.0    | 0.24    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| cis-1,2-Dichloroethene | 4.8     |           | 1.0    | 0.21    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| Tetrachloroethene      | 6.1     |           | 1.0    | 0.14    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| Trichloroethene        | 0.95    | J         | 1.0    | 0.20    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| Vinyl chloride         | 1.2     |           | 1.0    | 0.18    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| 1,4-Dioxane            | 1.6     | E         | 0.20   | 0.10    | ug/L | 1   |     |   | 8270D SIM ID | Total/NA  |
| Motor Oil              | 140     |           | 19     | 19      | mg/L | 20  |     |   | 310.13       | Total/NA  |
| Barium                 | 0.047   |           | 0.0020 | 0.00070 | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Calcium                | 115     |           | 0.50   | 0.10    | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Cobalt                 | 0.00072 | J         | 0.0040 | 0.00063 | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Iron                   | 0.10    |           | 0.050  | 0.019   | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Magnesium              | 28.5    |           | 0.20   | 0.043   | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Manganese              | 0.29    | B         | 0.0030 | 0.00040 | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Nickel                 | 0.0039  | J         | 0.010  | 0.0013  | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Potassium              | 1.8     |           | 0.50   | 0.10    | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Sodium                 | 40.4    |           | 1.0    | 0.32    | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Zinc                   | 0.0024  | J         | 0.010  | 0.0015  | mg/L | 1   |     |   | 6010C        | Total/NA  |

## Client Sample ID: MW-06-GW-DUP

## Lab Sample ID: 480-153849-2

| Analyte                | Result  | Qualifier | RL     | MDL     | Unit | Dil | Fac | D | Method       | Prep Type |
|------------------------|---------|-----------|--------|---------|------|-----|-----|---|--------------|-----------|
| 1,1-Dichloroethane     | 5.0     |           | 1.0    | 0.24    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| cis-1,2-Dichloroethene | 11      |           | 1.0    | 0.21    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| Tetrachloroethene      | 6.9     |           | 1.0    | 0.14    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| Trichloroethene        | 1.4     |           | 1.0    | 0.20    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| Vinyl chloride         | 2.6     |           | 1.0    | 0.18    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| 1,4-Dioxane            | 2.7     | E         | 0.20   | 0.10    | ug/L | 1   |     |   | 8270D SIM ID | Total/NA  |
| Motor Oil              | 35      |           | 9.5    | 9.5     | mg/L | 10  |     |   | 310.13       | Total/NA  |
| Barium                 | 0.048   |           | 0.0020 | 0.00070 | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Calcium                | 111     |           | 0.50   | 0.10    | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Cobalt                 | 0.00074 | J         | 0.0040 | 0.00063 | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Copper                 | 0.0023  | J         | 0.010  | 0.0016  | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Iron                   | 0.085   |           | 0.050  | 0.019   | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Magnesium              | 27.3    |           | 0.20   | 0.043   | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Manganese              | 0.29    | B         | 0.0030 | 0.00040 | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Nickel                 | 0.0038  | J         | 0.010  | 0.0013  | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Potassium              | 1.8     |           | 0.50   | 0.10    | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Sodium                 | 39.1    |           | 1.0    | 0.32    | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Zinc                   | 0.0039  | J         | 0.010  | 0.0015  | mg/L | 1   |     |   | 6010C        | Total/NA  |

## Client Sample ID: MW-1-02

## Lab Sample ID: 480-153849-3

| Analyte                  | Result | Qualifier | RL  | MDL  | Unit | Dil | Fac | D | Method | Prep Type |
|--------------------------|--------|-----------|-----|------|------|-----|-----|---|--------|-----------|
| 1,1-Dichloroethane       | 39     |           | 1.0 | 0.24 | ug/L | 1   |     |   | 8260C  | Total/NA  |
| 1,1-Dichloroethene       | 0.25   | J         | 1.0 | 0.25 | ug/L | 1   |     |   | 8260C  | Total/NA  |
| Acetone                  | 4.1    | J         | 25  | 2.7  | ug/L | 1   |     |   | 8260C  | Total/NA  |
| Benzene                  | 0.74   | J         | 1.0 | 0.20 | ug/L | 1   |     |   | 8260C  | Total/NA  |
| Chloroethane             | 8.0    |           | 1.0 | 0.36 | ug/L | 1   |     |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene   | 46     |           | 1.0 | 0.21 | ug/L | 1   |     |   | 8260C  | Total/NA  |
| Toluene                  | 0.19   | J         | 1.0 | 0.17 | ug/L | 1   |     |   | 8260C  | Total/NA  |
| trans-1,2-Dichloroethene | 0.66   | J         | 1.0 | 0.23 | ug/L | 1   |     |   | 8260C  | Total/NA  |
| Trichloroethene          | 1.0    |           | 1.0 | 0.20 | ug/L | 1   |     |   | 8260C  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

## Detection Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153849-1

Client Sample ID: MW-1-02 (Continued)

Lab Sample ID: 480-153849-3

| Analyte        | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method       | Prep Type |
|----------------|--------|-----------|--------|---------|------|---------|---|--------------|-----------|
| Vinyl chloride | 20     |           | 1.0    | 0.18    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,4-Dioxane    | 18     |           | 4.0    | 2.0     | ug/L | 20      |   | 8270D SIM ID | Total/NA  |
| Motor Oil      | 80     |           | 19     | 19      | mg/L | 20      |   | 310.13       | Total/NA  |
| PCB-1260       | 0.28   | J         | 0.50   | 0.25    | ug/L | 1       |   | 8082A        | Total/NA  |
| Barium         | 0.035  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C        | Total/NA  |
| Calcium        | 117    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Iron           | 1.0    | B         | 0.050  | 0.019   | mg/L | 1       |   | 6010C        | Total/NA  |
| Magnesium      | 17.7   |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C        | Total/NA  |
| Manganese      | 0.97   | B         | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C        | Total/NA  |
| Potassium      | 2.5    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Sodium         | 39.9   |           | 1.0    | 0.32    | mg/L | 1       |   | 6010C        | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

Client Sample ID: MW-06-GW

Lab Sample ID: 480-153849-1

Date Collected: 05/20/19 12:40

Matrix: Water

Date Received: 05/20/19 16:00

## 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 | 0.19  | ug/L |   |          | 05/24/19 18:54 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND            |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 18:54 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |           | 1.0 | 0.15  | ug/L |   |          | 05/24/19 18:54 | 1       |
| 1,1,2-Trichloroethane                 | ND            |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 18:54 | 1       |
| <b>1,1-Dichloroethane</b>             | <b>2.1</b>    |           | 1.0 | 0.24  | ug/L |   |          | 05/24/19 18:54 | 1       |
| 1,1-Dichloroethene                    | ND            |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 18:54 | 1       |
| 1,2,4-Trichlorobenzene                | ND            |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 18:54 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND            |           | 10  | 0.94  | ug/L |   |          | 05/24/19 18:54 | 1       |
| 1,2-Dichlorobenzene                   | ND            |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 18:54 | 1       |
| 1,2-Dichloroethane                    | ND            |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 18:54 | 1       |
| 1,2-Dichloropropane                   | ND            |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 18:54 | 1       |
| 1,3-Dichlorobenzene                   | ND            |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 18:54 | 1       |
| 1,4-Dichlorobenzene                   | ND            |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 18:54 | 1       |
| 2-Butanone (MEK)                      | ND            |           | 50  | 2.6   | ug/L |   |          | 05/24/19 18:54 | 1       |
| 2-Hexanone                            | ND            |           | 10  | 1.3   | ug/L |   |          | 05/24/19 18:54 | 1       |
| t-Butyl alcohol                       | ND            |           | 10  | 3.9   | ug/L |   |          | 05/24/19 18:54 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND            |           | 10  | 0.81  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Acetone                               | ND            |           | 25  | 2.7   | ug/L |   |          | 05/24/19 18:54 | 1       |
| Benzene                               | ND            |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Bromoform                             | ND            |           | 1.0 | 0.29  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Bromomethane                          | ND            |           | 1.0 | 0.35  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Carbon disulfide                      | ND            |           | 1.0 | 0.22  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Carbon tetrachloride                  | ND            |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Chlorobenzene                         | ND            |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Dibromochloromethane                  | ND            |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Chloroethane                          | ND            |           | 1.0 | 0.36  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Chloroform                            | ND            |           | 1.0 | 0.23  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Chloromethane                         | ND            |           | 1.0 | 0.36  | ug/L |   |          | 05/24/19 18:54 | 1       |
| <b>cis-1,2-Dichloroethene</b>         | <b>4.8</b>    |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Cyclohexane                           | ND            |           | 5.0 | 0.13  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Bromodichloromethane                  | ND            |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Dichlorodifluoromethane               | ND            |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Ethylbenzene                          | ND            |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 18:54 | 1       |
| 1,2-Dibromoethane                     | ND            |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Isopropylbenzene                      | ND            |           | 1.0 | 0.33  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Methyl acetate                        | ND            |           | 10  | 0.58  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Methyl tert-butyl ether               | ND            |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Methylcyclohexane                     | ND            |           | 5.0 | 0.090 | ug/L |   |          | 05/24/19 18:54 | 1       |
| Methylene Chloride                    | ND            |           | 5.0 | 1.0   | ug/L |   |          | 05/24/19 18:54 | 1       |
| <b>Tetrachloroethene</b>              | <b>6.1</b>    |           | 1.0 | 0.14  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Toluene                               | ND            |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 18:54 | 1       |
| trans-1,2-Dichloroethene              | ND            |           | 1.0 | 0.23  | ug/L |   |          | 05/24/19 18:54 | 1       |
| trans-1,3-Dichloropropene             | ND            |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 18:54 | 1       |
| <b>Trichloroethene</b>                | <b>0.95 J</b> |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Trichlorofluoromethane                | ND            |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 18:54 | 1       |
| <b>Vinyl chloride</b>                 | <b>1.2</b>    |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Xylenes, Total                        | ND            |           | 3.0 | 0.58  | ug/L |   |          | 05/24/19 18:54 | 1       |
| cis-1,3-Dichloropropene               | ND            |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 18:54 | 1       |
| Styrene                               | ND            |           | 1.0 | 0.28  | ug/L |   |          | 05/24/19 18:54 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

Client Sample ID: MW-06-GW

Lab Sample ID: 480-153849-1

Date Collected: 05/20/19 12:40

Matrix: Water

Date Received: 05/20/19 16:00

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 70 - 130 |          | 05/24/19 18:54 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 70 - 130 |          | 05/24/19 18:54 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 70 - 130 |          | 05/24/19 18:54 | 1       |
| Dibromofluoromethane (Surr)  | 105       |           | 70 - 130 |          | 05/24/19 18:54 | 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      | 1.6       | E         | 0.20     | 0.10 | ug/L |   | 05/23/19 15:07 | 05/30/19 20:15 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 25        |           | 15 - 110 |      |      |   | 05/23/19 15:07 | 05/30/19 20:15 | 1       |

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

| Analyte                       | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 25 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 25 | 3.1 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 25 | 2.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 25 | 2.5 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 50 | 11  | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 25 | 2.2 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 2-Chloronaphthalene           | ND     |           | 25 | 2.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 2-Chlorophenol                | ND     |           | 25 | 2.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 2-Methylnaphthalene           | ND     |           | 25 | 3.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 2-Methylphenol                | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 2-Nitroaniline                | ND     |           | 50 | 2.1 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 2-Nitrophenol                 | ND     |           | 25 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 3-Nitroaniline                | ND     |           | 50 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 50 | 11  | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 25 | 2.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 25 | 2.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 4-Chloroaniline               | ND     |           | 25 | 3.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 4-Methylphenol                | ND     |           | 50 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 4-Nitroaniline                | ND     |           | 50 | 1.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 4-Nitrophenol                 | ND     |           | 50 | 7.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Acenaphthene                  | ND     |           | 25 | 2.1 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Acenaphthylene                | ND     |           | 25 | 1.9 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Acetophenone                  | ND *   |           | 25 | 2.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Anthracene                    | ND     |           | 25 | 1.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Atrazine                      | ND     |           | 25 | 2.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Benzaldehyde                  | ND     |           | 25 | 1.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Benzo(a)anthracene            | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Benzo(a)pyrene                | ND     |           | 25 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Benzo(b)fluoranthene          | ND     |           | 25 | 1.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Benzo(g,h,i)perylene          | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 25 | 3.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Biphenyl                      | ND     |           | 25 | 3.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 25 | 2.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

Client Sample ID: MW-06-GW

Lab Sample ID: 480-153849-1

Date Collected: 05/20/19 12:40

Matrix: Water

Date Received: 05/20/19 16:00

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

| Analyte                     | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| Bis(2-chloroethyl)ether     | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Bis(2-ethylhexyl) phthalate | ND     |           | 25 | 11  | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Butyl benzyl phthalate      | ND     |           | 25 | 5.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Caprolactam                 | ND     |           | 25 | 11  | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Carbazole                   | ND     |           | 25 | 1.5 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Chrysene                    | ND     |           | 25 | 1.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Dibenz(a,h)anthracene       | ND     |           | 25 | 2.1 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Dibenzofuran                | ND     |           | 50 | 2.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Diethyl phthalate           | ND     |           | 25 | 1.1 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Dimethyl phthalate          | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Di-n-butyl phthalate        | ND     |           | 25 | 1.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Di-n-octyl phthalate        | ND     |           | 25 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Fluoranthene                | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Fluorene                    | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Hexachlorobenzene           | ND     |           | 25 | 2.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Hexachlorobutadiene         | ND     |           | 25 | 3.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Hexachlorocyclopentadiene   | ND     |           | 25 | 3.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Hexachloroethane            | ND     |           | 25 | 3.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Indeno(1,2,3-cd)pyrene      | ND     |           | 25 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Isophorone                  | ND     |           | 25 | 2.2 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Naphthalene                 | ND     |           | 25 | 3.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Nitrobenzene                | ND     |           | 25 | 1.5 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| N-Nitrosodi-n-propylamine   | ND     |           | 25 | 2.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| N-Nitrosodiphenylamine      | ND     |           | 25 | 2.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Pentachlorophenol           | ND     |           | 50 | 11  | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Phenanthrene                | ND     |           | 25 | 2.2 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Phenol                      | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Pyrene                      | ND     |           | 25 | 1.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 03:53 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 106       |           | 41 - 120 | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 2-Fluorobiphenyl     | 110       |           | 48 - 120 | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| 2-Fluorophenol       | 65        |           | 35 - 120 | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Nitrobenzene-d5      | 88        |           | 46 - 120 | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| Phenol-d5            | 46        |           | 22 - 120 | 05/23/19 06:26 | 05/29/19 03:53 | 5       |
| p-Terphenyl-d14      | 84        |           | 59 - 136 | 05/23/19 06:26 | 05/29/19 03:53 | 5       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 3.8 | 3.8 | mg/L |   | 05/23/19 06:40 | 05/24/19 08:25 | 20      |
| Kerosene             | ND     |           | 9.5 | 9.5 | mg/L |   | 05/23/19 06:40 | 05/24/19 08:25 | 20      |
| Motor Oil            | 140    |           | 19  | 19  | mg/L |   | 05/23/19 06:40 | 05/24/19 08:25 | 20      |
| Fuel Oil #2          | ND     |           | 9.5 | 9.5 | mg/L |   | 05/23/19 06:40 | 05/24/19 08:25 | 20      |
| Fuel Oil #4          | ND     |           | 9.5 | 9.5 | mg/L |   | 05/23/19 06:40 | 05/24/19 08:25 | 20      |
| Fuel Oil #6          | ND     |           | 9.5 | 9.5 | mg/L |   | 05/23/19 06:40 | 05/24/19 08:25 | 20      |
| Unknown Hydrocarbons | ND     |           | 3.8 | 3.8 | mg/L |   | 05/23/19 06:40 | 05/24/19 08:25 | 20      |

## 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 |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

Client Sample ID: MW-06-GW

Lab Sample ID: 480-153849-1

Date Collected: 05/20/19 12:40

Matrix: Water

Date Received: 05/20/19 16:00

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

| Analyte             | Result | Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| 4,4'-DDT            | ND     |           | 0.050 | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| delta-BHC           | ND     |           | 0.050 | 0.010  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| Endrin aldehyde     | ND     |           | 0.050 | 0.016  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| gamma-BHC (Lindane) | ND     |           | 0.050 | 0.0080 | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| trans-Chlordane     | ND     |           | 0.050 | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| Heptachlor          | ND     |           | 0.050 | 0.0085 | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| Heptachlor epoxide  | ND     |           | 0.050 | 0.0074 | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| Methoxychlor        | ND     |           | 0.050 | 0.014  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| Toxaphene           | ND     |           | 0.50  | 0.12   | ug/L |   | 05/23/19 15:00 | 05/24/19 12:27 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 37        |           | 20 - 120 | 05/23/19 15:00 | 05/24/19 12:27 | 1       |
| Tetrachloro-m-xylene   | 70        |           | 44 - 120 | 05/23/19 15:00 | 05/24/19 12:27 | 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 |   | 05/29/19 15:43 | 05/30/19 15:35 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:35 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:35 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:35 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:35 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:35 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:35 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:35 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:35 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 78        |           | 39 - 121 | 05/29/19 15:43 | 05/30/19 15:35 | 1       |
| DCB Decachlorobiphenyl | 30        |           | 19 - 120 | 05/29/19 15:43 | 05/30/19 15:35 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| Barium    | 0.047  |           | 0.0020 | 0.00070 | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| Calcium   | 115    |           | 0.50   | 0.10    | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153849-1

Client Sample ID: MW-06-GW

Lab Sample ID: 480-153849-1

Date Collected: 05/20/19 12:40

Matrix: Water

Date Received: 05/20/19 16:00

## Method: 6010C - Metals (ICP) (Continued)

| Analyte          | Result         | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|----------------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Chromium         | ND             |           | 0.0040 | 0.0010  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| <b>Cobalt</b>    | <b>0.00072</b> | <b>J</b>  | 0.0040 | 0.00063 | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| Copper           | ND             |           | 0.010  | 0.0016  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| <b>Iron</b>      | <b>0.10</b>    |           | 0.050  | 0.019   | mg/L |   | 06/06/19 07:15 | 06/06/19 15:11 | 1       |
| Lead             | ND             |           | 0.010  | 0.0030  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| <b>Magnesium</b> | <b>28.5</b>    |           | 0.20   | 0.043   | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| <b>Manganese</b> | <b>0.29</b>    | <b>B</b>  | 0.0030 | 0.00040 | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| <b>Nickel</b>    | <b>0.0039</b>  | <b>J</b>  | 0.010  | 0.0013  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| <b>Potassium</b> | <b>1.8</b>     |           | 0.50   | 0.10    | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| Selenium         | ND             |           | 0.025  | 0.0087  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| Silver           | ND             |           | 0.0060 | 0.0017  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| <b>Sodium</b>    | <b>40.4</b>    |           | 1.0    | 0.32    | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| Thallium         | ND             |           | 0.020  | 0.010   | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| Vanadium         | ND             |           | 0.0050 | 0.0015  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |
| <b>Zinc</b>      | <b>0.0024</b>  | <b>J</b>  | 0.010  | 0.0015  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:40 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 05/24/19 11:13 | 05/24/19 14:35 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

Client Sample ID: MW-06-GW-DUP

Lab Sample ID: 480-153849-2

Date Collected: 05/20/19 12:40

Matrix: Water

Date Received: 05/20/19 16:00

## 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 | 0.19  | ug/L |   |          | 05/24/19 19:21 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND         |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 19:21 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND         |           | 1.0 | 0.15  | ug/L |   |          | 05/24/19 19:21 | 1       |
| 1,1,2-Trichloroethane                 | ND         |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 19:21 | 1       |
| <b>1,1-Dichloroethane</b>             | <b>5.0</b> |           | 1.0 | 0.24  | ug/L |   |          | 05/24/19 19:21 | 1       |
| 1,1-Dichloroethene                    | ND         |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 19:21 | 1       |
| 1,2,4-Trichlorobenzene                | ND         |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 19:21 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND         |           | 10  | 0.94  | ug/L |   |          | 05/24/19 19:21 | 1       |
| 1,2-Dichlorobenzene                   | ND         |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 19:21 | 1       |
| 1,2-Dichloroethane                    | ND         |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 19:21 | 1       |
| 1,2-Dichloropropane                   | ND         |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 19:21 | 1       |
| 1,3-Dichlorobenzene                   | ND         |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 19:21 | 1       |
| 1,4-Dichlorobenzene                   | ND         |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 19:21 | 1       |
| 2-Butanone (MEK)                      | ND         |           | 50  | 2.6   | ug/L |   |          | 05/24/19 19:21 | 1       |
| 2-Hexanone                            | ND         |           | 10  | 1.3   | ug/L |   |          | 05/24/19 19:21 | 1       |
| t-Butyl alcohol                       | ND         |           | 10  | 3.9   | ug/L |   |          | 05/24/19 19:21 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND         |           | 10  | 0.81  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Acetone                               | ND         |           | 25  | 2.7   | ug/L |   |          | 05/24/19 19:21 | 1       |
| Benzene                               | ND         |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Bromoform                             | ND         |           | 1.0 | 0.29  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Bromomethane                          | ND         |           | 1.0 | 0.35  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Carbon disulfide                      | ND         |           | 1.0 | 0.22  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Carbon tetrachloride                  | ND         |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Chlorobenzene                         | ND         |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Dibromochloromethane                  | ND         |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Chloroethane                          | ND         |           | 1.0 | 0.36  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Chloroform                            | ND         |           | 1.0 | 0.23  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Chloromethane                         | ND         |           | 1.0 | 0.36  | ug/L |   |          | 05/24/19 19:21 | 1       |
| <b>cis-1,2-Dichloroethene</b>         | <b>11</b>  |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Cyclohexane                           | ND         |           | 5.0 | 0.13  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Bromodichloromethane                  | ND         |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Dichlorodifluoromethane               | ND         |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Ethylbenzene                          | ND         |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 19:21 | 1       |
| 1,2-Dibromoethane                     | ND         |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Isopropylbenzene                      | ND         |           | 1.0 | 0.33  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Methyl acetate                        | ND         |           | 10  | 0.58  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Methyl tert-butyl ether               | ND         |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Methylcyclohexane                     | ND         |           | 5.0 | 0.090 | ug/L |   |          | 05/24/19 19:21 | 1       |
| Methylene Chloride                    | ND         |           | 5.0 | 1.0   | ug/L |   |          | 05/24/19 19:21 | 1       |
| <b>Tetrachloroethene</b>              | <b>6.9</b> |           | 1.0 | 0.14  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Toluene                               | ND         |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 19:21 | 1       |
| trans-1,2-Dichloroethene              | ND         |           | 1.0 | 0.23  | ug/L |   |          | 05/24/19 19:21 | 1       |
| trans-1,3-Dichloropropene             | ND         |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 19:21 | 1       |
| <b>Trichloroethene</b>                | <b>1.4</b> |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Trichlorofluoromethane                | ND         |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 19:21 | 1       |
| <b>Vinyl chloride</b>                 | <b>2.6</b> |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Xylenes, Total                        | ND         |           | 3.0 | 0.58  | ug/L |   |          | 05/24/19 19:21 | 1       |
| cis-1,3-Dichloropropene               | ND         |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 19:21 | 1       |
| Styrene                               | ND         |           | 1.0 | 0.28  | ug/L |   |          | 05/24/19 19:21 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

Client Sample ID: MW-06-GW-DUP

Lab Sample ID: 480-153849-2

Date Collected: 05/20/19 12:40

Matrix: Water

Date Received: 05/20/19 16:00

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 70 - 130 |          | 05/24/19 19:21 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 70 - 130 |          | 05/24/19 19:21 | 1       |
| Toluene-d8 (Surr)            | 113       |           | 70 - 130 |          | 05/24/19 19:21 | 1       |
| Dibromofluoromethane (Surr)  | 108       |           | 70 - 130 |          | 05/24/19 19:21 | 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      | 2.7       | E         | 0.20     | 0.10 | ug/L |   | 05/23/19 15:07 | 05/30/19 20:39 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 24        |           | 15 - 110 |      |      |   | 05/23/19 15:07 | 05/30/19 20:39 | 1       |

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

| Analyte                       | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 25 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 25 | 3.1 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 25 | 2.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 25 | 2.5 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 50 | 11  | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 25 | 2.2 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 2-Chloronaphthalene           | ND     |           | 25 | 2.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 2-Chlorophenol                | ND     |           | 25 | 2.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 2-Methylnaphthalene           | ND     |           | 25 | 3.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 2-Methylphenol                | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 2-Nitroaniline                | ND     |           | 50 | 2.1 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 2-Nitrophenol                 | ND     |           | 25 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 3-Nitroaniline                | ND     |           | 50 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 50 | 11  | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 25 | 2.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 25 | 2.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 4-Chloroaniline               | ND     |           | 25 | 3.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 4-Methylphenol                | ND     |           | 50 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 4-Nitroaniline                | ND     |           | 50 | 1.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 4-Nitrophenol                 | ND     |           | 50 | 7.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Acenaphthene                  | ND     |           | 25 | 2.1 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Acenaphthylene                | ND     |           | 25 | 1.9 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Acetophenone                  | ND *   |           | 25 | 2.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Anthracene                    | ND     |           | 25 | 1.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Atrazine                      | ND     |           | 25 | 2.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Benzaldehyde                  | ND     |           | 25 | 1.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Benzo(a)anthracene            | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Benzo(a)pyrene                | ND     |           | 25 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Benzo(b)fluoranthene          | ND     |           | 25 | 1.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Benzo(g,h,i)perylene          | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 25 | 3.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Biphenyl                      | ND     |           | 25 | 3.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 25 | 2.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

Client Sample ID: MW-06-GW-DUP

Lab Sample ID: 480-153849-2

Date Collected: 05/20/19 12:40

Matrix: Water

Date Received: 05/20/19 16:00

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

| Analyte                     | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| Bis(2-chloroethyl)ether     | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Bis(2-ethylhexyl) phthalate | ND     |           | 25 | 11  | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Butyl benzyl phthalate      | ND     |           | 25 | 5.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Caprolactam                 | ND     |           | 25 | 11  | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Carbazole                   | ND     |           | 25 | 1.5 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Chrysene                    | ND     |           | 25 | 1.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Dibenz(a,h)anthracene       | ND     |           | 25 | 2.1 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Dibenzofuran                | ND     |           | 50 | 2.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Diethyl phthalate           | ND     |           | 25 | 1.1 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Dimethyl phthalate          | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Di-n-butyl phthalate        | ND     |           | 25 | 1.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Di-n-octyl phthalate        | ND     |           | 25 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Fluoranthene                | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Fluorene                    | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Hexachlorobenzene           | ND     |           | 25 | 2.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Hexachlorobutadiene         | ND     |           | 25 | 3.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Hexachlorocyclopentadiene   | ND     |           | 25 | 3.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Hexachloroethane            | ND     |           | 25 | 3.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Indeno(1,2,3-cd)pyrene      | ND     |           | 25 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Isophorone                  | ND     |           | 25 | 2.2 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Naphthalene                 | ND     |           | 25 | 3.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Nitrobenzene                | ND     |           | 25 | 1.5 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| N-Nitrosodi-n-propylamine   | ND     |           | 25 | 2.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| N-Nitrosodiphenylamine      | ND     |           | 25 | 2.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Pentachlorophenol           | ND     |           | 50 | 11  | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Phenanthrene                | ND     |           | 25 | 2.2 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Phenol                      | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Pyrene                      | ND     |           | 25 | 1.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:21 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 94        |           | 41 - 120 | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 2-Fluorobiphenyl     | 96        |           | 48 - 120 | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| 2-Fluorophenol       | 69        |           | 35 - 120 | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Nitrobenzene-d5      | 78        |           | 46 - 120 | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| Phenol-d5            | 48        |           | 22 - 120 | 05/23/19 06:26 | 05/29/19 04:21 | 5       |
| p-Terphenyl-d14      | 64        |           | 59 - 136 | 05/23/19 06:26 | 05/29/19 04:21 | 5       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 1.9 | 1.9 | mg/L |   | 05/23/19 07:24 | 05/24/19 09:01 | 10      |
| Kerosene             | ND     |           | 4.8 | 4.8 | mg/L |   | 05/23/19 07:24 | 05/24/19 09:01 | 10      |
| Motor Oil            | 35     |           | 9.5 | 9.5 | mg/L |   | 05/23/19 07:24 | 05/24/19 09:01 | 10      |
| Fuel Oil #2          | ND     |           | 4.8 | 4.8 | mg/L |   | 05/23/19 07:24 | 05/24/19 09:01 | 10      |
| Fuel Oil #4          | ND     |           | 4.8 | 4.8 | mg/L |   | 05/23/19 07:24 | 05/24/19 09:01 | 10      |
| Fuel Oil #6          | ND     |           | 4.8 | 4.8 | mg/L |   | 05/23/19 07:24 | 05/24/19 09:01 | 10      |
| Unknown Hydrocarbons | ND     |           | 1.9 | 1.9 | mg/L |   | 05/23/19 07:24 | 05/24/19 09:01 | 10      |

## 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 |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

Client Sample ID: MW-06-GW-DUP

Lab Sample ID: 480-153849-2

Date Collected: 05/20/19 12:40

Matrix: Water

Date Received: 05/20/19 16:00

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

| Analyte             | Result | Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| 4,4'-DDT            | ND     |           | 0.050 | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| delta-BHC           | ND     |           | 0.050 | 0.010  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| Endrin aldehyde     | ND     |           | 0.050 | 0.016  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| gamma-BHC (Lindane) | ND     |           | 0.050 | 0.0080 | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| trans-Chlordane     | ND     |           | 0.050 | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| Heptachlor          | ND     |           | 0.050 | 0.0085 | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| Heptachlor epoxide  | ND     |           | 0.050 | 0.0074 | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| Methoxychlor        | ND     |           | 0.050 | 0.014  | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| Toxaphene           | ND     |           | 0.50  | 0.12   | ug/L |   | 05/23/19 15:00 | 05/24/19 12:47 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 45        |           | 20 - 120 | 05/23/19 15:00 | 05/24/19 12:47 | 1       |
| Tetrachloro-m-xylene   | 85        |           | 44 - 120 | 05/23/19 15:00 | 05/24/19 12:47 | 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 |   | 05/29/19 15:43 | 05/30/19 15:48 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:48 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:48 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:48 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:48 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:48 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:48 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:48 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:48 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 64        |           | 39 - 121 | 05/29/19 15:43 | 05/30/19 15:48 | 1       |
| DCB Decachlorobiphenyl | 32        |           | 19 - 120 | 05/29/19 15:43 | 05/30/19 15:48 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Barium    | 0.048  |           | 0.0020 | 0.00070 | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Calcium   | 111    |           | 0.50   | 0.10    | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153849-1

Client Sample ID: MW-06-GW-DUP

Lab Sample ID: 480-153849-2

Date Collected: 05/20/19 12:40

Matrix: Water

Date Received: 05/20/19 16:00

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result  | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|---------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Chromium  | ND      |           | 0.0040 | 0.0010  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Cobalt    | 0.00074 | J         | 0.0040 | 0.00063 | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Copper    | 0.0023  | J         | 0.010  | 0.0016  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Iron      | 0.085   |           | 0.050  | 0.019   | mg/L |   | 06/06/19 07:15 | 06/06/19 15:15 | 1       |
| Lead      | ND      |           | 0.010  | 0.0030  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Magnesium | 27.3    |           | 0.20   | 0.043   | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Manganese | 0.29    | B         | 0.0030 | 0.00040 | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Nickel    | 0.0038  | J         | 0.010  | 0.0013  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Potassium | 1.8     |           | 0.50   | 0.10    | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Selenium  | ND      |           | 0.025  | 0.0087  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Silver    | ND      |           | 0.0060 | 0.0017  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Sodium    | 39.1    |           | 1.0    | 0.32    | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Thallium  | ND      |           | 0.020  | 0.010   | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Vanadium  | ND      |           | 0.0050 | 0.0015  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |
| Zinc      | 0.0039  | J         | 0.010  | 0.0015  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:44 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 05/24/19 11:13 | 05/24/19 14:37 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153849-1

Client Sample ID: MW-1-02

Lab Sample ID: 480-153849-3

Date Collected: 05/20/19 14:45

Matrix: Water

Date Received: 05/20/19 16:00

## 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 | 0.19  | ug/L |   |          | 05/24/19 21:33 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 21:33 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.15  | ug/L |   |          | 05/24/19 21:33 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 21:33 | 1       |
| 1,1-Dichloroethane                    | 39     |           | 1.0 | 0.24  | ug/L |   |          | 05/24/19 21:33 | 1       |
| 1,1-Dichloroethene                    | 0.25   | J         | 1.0 | 0.25  | ug/L |   |          | 05/24/19 21:33 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 21:33 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 10  | 0.94  | ug/L |   |          | 05/24/19 21:33 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 21:33 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 21:33 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 21:33 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 21:33 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 21:33 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 50  | 2.6   | ug/L |   |          | 05/24/19 21:33 | 1       |
| 2-Hexanone                            | ND     |           | 10  | 1.3   | ug/L |   |          | 05/24/19 21:33 | 1       |
| t-Butyl alcohol                       | ND     |           | 10  | 3.9   | ug/L |   |          | 05/24/19 21:33 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 10  | 0.81  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Acetone                               | 4.1    | J         | 25  | 2.7   | ug/L |   |          | 05/24/19 21:33 | 1       |
| Benzene                               | 0.74   | J         | 1.0 | 0.20  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.29  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.35  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Carbon disulfide                      | ND     |           | 1.0 | 0.22  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Chloroethane                          | 8.0    |           | 1.0 | 0.36  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Chloroform                            | ND     |           | 1.0 | 0.23  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.36  | ug/L |   |          | 05/24/19 21:33 | 1       |
| cis-1,2-Dichloroethene                | 46     |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Cyclohexane                           | ND     |           | 5.0 | 0.13  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 21:33 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.33  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Methyl acetate                        | ND     |           | 10  | 0.58  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Methylcyclohexane                     | ND     |           | 5.0 | 0.090 | ug/L |   |          | 05/24/19 21:33 | 1       |
| Methylene Chloride                    | ND     |           | 5.0 | 1.0   | ug/L |   |          | 05/24/19 21:33 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.14  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Toluene                               | 0.19   | J         | 1.0 | 0.17  | ug/L |   |          | 05/24/19 21:33 | 1       |
| trans-1,2-Dichloroethene              | 0.66   | J         | 1.0 | 0.23  | ug/L |   |          | 05/24/19 21:33 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Trichloroethene                       | 1.0    |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Vinyl chloride                        | 20     |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Xylenes, Total                        | ND     |           | 3.0 | 0.58  | ug/L |   |          | 05/24/19 21:33 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 21:33 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.28  | ug/L |   |          | 05/24/19 21:33 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

Client Sample ID: MW-1-02

Lab Sample ID: 480-153849-3

Date Collected: 05/20/19 14:45

Matrix: Water

Date Received: 05/20/19 16:00

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 94        |           | 70 - 130 |          | 05/24/19 21:33 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95        |           | 70 - 130 |          | 05/24/19 21:33 | 1       |
| Toluene-d8 (Surr)            | 114       |           | 70 - 130 |          | 05/24/19 21:33 | 1       |
| Dibromofluoromethane (Surr)  | 100       |           | 70 - 130 |          | 05/24/19 21:33 | 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      | 18        |           | 4.0      | 2.0 | ug/L |   | 05/23/19 15:07 | 05/29/19 22:24 | 20      |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 26        |           | 15 - 110 |     |      |   | 05/23/19 15:07 | 05/29/19 22:24 | 20      |

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

| Analyte                       | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 25 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 25 | 3.1 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 25 | 2.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 25 | 2.5 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 50 | 11  | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 25 | 2.2 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 2-Chloronaphthalene           | ND     |           | 25 | 2.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 2-Chlorophenol                | ND     |           | 25 | 2.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 2-Methylnaphthalene           | ND     |           | 25 | 3.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 2-Methylphenol                | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 2-Nitroaniline                | ND     |           | 50 | 2.1 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 2-Nitrophenol                 | ND     |           | 25 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 3-Nitroaniline                | ND     |           | 50 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 50 | 11  | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 25 | 2.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 25 | 2.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 4-Chloroaniline               | ND     |           | 25 | 3.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 4-Methylphenol                | ND     |           | 50 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 4-Nitroaniline                | ND     |           | 50 | 1.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 4-Nitrophenol                 | ND     |           | 50 | 7.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Acenaphthene                  | ND     |           | 25 | 2.1 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Acenaphthylene                | ND     |           | 25 | 1.9 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Acetophenone                  | ND *   |           | 25 | 2.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Anthracene                    | ND     |           | 25 | 1.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Atrazine                      | ND     |           | 25 | 2.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Benzaldehyde                  | ND     |           | 25 | 1.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Benzo(a)anthracene            | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Benzo(a)pyrene                | ND     |           | 25 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Benzo(b)fluoranthene          | ND     |           | 25 | 1.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Benzo(g,h,i)perylene          | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 25 | 3.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Biphenyl                      | ND     |           | 25 | 3.3 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 25 | 2.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

Client Sample ID: MW-1-02

Lab Sample ID: 480-153849-3

Date Collected: 05/20/19 14:45

Matrix: Water

Date Received: 05/20/19 16:00

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

| Analyte                     | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| Bis(2-chloroethyl)ether     | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Bis(2-ethylhexyl) phthalate | ND     |           | 25 | 11  | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Butyl benzyl phthalate      | ND     |           | 25 | 5.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Caprolactam                 | ND     |           | 25 | 11  | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Carbazole                   | ND     |           | 25 | 1.5 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Chrysene                    | ND     |           | 25 | 1.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Dibenz(a,h)anthracene       | ND     |           | 25 | 2.1 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Dibenzofuran                | ND     |           | 50 | 2.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Diethyl phthalate           | ND     |           | 25 | 1.1 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Dimethyl phthalate          | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Di-n-butyl phthalate        | ND     |           | 25 | 1.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Di-n-octyl phthalate        | ND     |           | 25 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Fluoranthene                | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Fluorene                    | ND     |           | 25 | 1.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Hexachlorobenzene           | ND     |           | 25 | 2.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Hexachlorobutadiene         | ND     |           | 25 | 3.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Hexachlorocyclopentadiene   | ND     |           | 25 | 3.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Hexachloroethane            | ND     |           | 25 | 3.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Indeno(1,2,3-cd)pyrene      | ND     |           | 25 | 2.4 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Isophorone                  | ND     |           | 25 | 2.2 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Naphthalene                 | ND     |           | 25 | 3.8 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Nitrobenzene                | ND     |           | 25 | 1.5 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| N-Nitrosodi-n-propylamine   | ND     |           | 25 | 2.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| N-Nitrosodiphenylamine      | ND     |           | 25 | 2.6 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Pentachlorophenol           | ND     |           | 50 | 11  | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Phenanthrene                | ND     |           | 25 | 2.2 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Phenol                      | ND     |           | 25 | 2.0 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Pyrene                      | ND     |           | 25 | 1.7 | ug/L |   | 05/23/19 06:26 | 05/29/19 04:49 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 126       | X         | 41 - 120 | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 2-Fluorobiphenyl     | 101       |           | 48 - 120 | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| 2-Fluorophenol       | 58        |           | 35 - 120 | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Nitrobenzene-d5      | 77        |           | 46 - 120 | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| Phenol-d5            | 46        |           | 22 - 120 | 05/23/19 06:26 | 05/29/19 04:49 | 5       |
| p-Terphenyl-d14      | 64        |           | 59 - 136 | 05/23/19 06:26 | 05/29/19 04:49 | 5       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 3.8 | 3.8 | mg/L |   | 05/23/19 07:24 | 05/24/19 09:37 | 20      |
| Kerosene             | ND     |           | 9.5 | 9.5 | mg/L |   | 05/23/19 07:24 | 05/24/19 09:37 | 20      |
| Motor Oil            | 80     |           | 19  | 19  | mg/L |   | 05/23/19 07:24 | 05/24/19 09:37 | 20      |
| Fuel Oil #2          | ND     |           | 9.5 | 9.5 | mg/L |   | 05/23/19 07:24 | 05/24/19 09:37 | 20      |
| Fuel Oil #4          | ND     |           | 9.5 | 9.5 | mg/L |   | 05/23/19 07:24 | 05/24/19 09:37 | 20      |
| Fuel Oil #6          | ND     |           | 9.5 | 9.5 | mg/L |   | 05/23/19 07:24 | 05/24/19 09:37 | 20      |
| Unknown Hydrocarbons | ND     |           | 3.8 | 3.8 | mg/L |   | 05/23/19 07:24 | 05/24/19 09:37 | 20      |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte  | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 4,4'-DDD | ND     |           | 0.25 | 0.046 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

Client Sample ID: MW-1-02

Lab Sample ID: 480-153849-3

Date Collected: 05/20/19 14:45

Matrix: Water

Date Received: 05/20/19 16:00

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

| Analyte             | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 0.25 | 0.058 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| 4,4'-DDT            | ND     |           | 0.25 | 0.055 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| Aldrin              | ND     |           | 0.25 | 0.041 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| alpha-BHC           | ND     |           | 0.25 | 0.039 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| cis-Chlordane       | ND     |           | 0.25 | 0.074 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| beta-BHC            | ND     |           | 0.25 | 0.12  | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| delta-BHC           | ND     |           | 0.25 | 0.050 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| Dieldrin            | ND     |           | 0.25 | 0.049 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| Endosulfan I        | ND     |           | 0.25 | 0.055 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| Endosulfan II       | ND     |           | 0.25 | 0.060 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| Endosulfan sulfate  | ND     |           | 0.25 | 0.079 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| Endrin              | ND     |           | 0.25 | 0.069 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| Endrin aldehyde     | ND     |           | 0.25 | 0.082 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| Endrin ketone       | ND     |           | 0.25 | 0.060 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| gamma-BHC (Lindane) | ND     |           | 0.25 | 0.040 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| trans-Chlordane     | ND     |           | 0.25 | 0.055 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| Heptachlor          | ND     |           | 0.25 | 0.043 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| Heptachlor epoxide  | ND     |           | 0.25 | 0.037 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| Methoxychlor        | ND     |           | 0.25 | 0.071 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| Toxaphene           | ND     |           | 2.5  | 0.60  | ug/L |   | 05/23/19 15:00 | 05/24/19 13:06 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 41        |           | 20 - 120 | 05/23/19 15:00 | 05/24/19 13:06 | 1       |
| Tetrachloro-m-xylene   | 79        |           | 44 - 120 | 05/23/19 15:00 | 05/24/19 13:06 | 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 |   | 05/29/19 15:43 | 05/30/19 16:00 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:00 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:00 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:00 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:00 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:00 | 1       |
| PCB-1260 | 0.28   | J         | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:00 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:00 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:00 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 64        |           | 39 - 121 | 05/29/19 15:43 | 05/30/19 16:00 | 1       |
| DCB Decachlorobiphenyl | 26        |           | 19 - 120 | 05/29/19 15:43 | 05/30/19 16:00 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Barium    | 0.035  |           | 0.0020 | 0.00070 | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Calcium   | 117    |           | 0.50   | 0.10    | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153849-1

Client Sample ID: MW-1-02

Lab Sample ID: 480-153849-3

Date Collected: 05/20/19 14:45

Matrix: Water

Date Received: 05/20/19 16:00

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Iron      | 1.0    | B         | 0.050  | 0.019   | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Magnesium | 17.7   |           | 0.20   | 0.043   | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Manganese | 0.97   | B         | 0.0030 | 0.00040 | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Nickel    | ND     |           | 0.010  | 0.0013  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Potassium | 2.5    |           | 0.50   | 0.10    | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Sodium    | 39.9   |           | 1.0    | 0.32    | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 05/22/19 14:03 | 06/01/19 15:48 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 05/24/19 11:13 | 05/24/19 14:41 | 1       |

# Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID     | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                  |
|-------------------|------------------------|------------------------------------------------|-----------------|-----------------|------------------|
|                   |                        | DCA<br>(70-130)                                | BFB<br>(70-130) | TOL<br>(70-130) | DBFM<br>(70-130) |
| 480-153849-1      | MW-06-GW               | 99                                             | 99              | 104             | 105              |
| 480-153849-2      | MW-06-GW-DUP           | 99                                             | 96              | 113             | 108              |
| 480-153849-3      | MW-1-02                | 94                                             | 95              | 114             | 100              |
| LCS 490-597525/3  | Lab Control Sample     | 103                                            | 103             | 103             | 103              |
| LCSD 490-597525/4 | Lab Control Sample Dup | 102                                            | 102             | 102             | 100              |
| MB 490-597525/7   | Method Blank           | 98                                             | 105             | 105             | 107              |

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
TOL = Toluene-d8 (Surr)  
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                 |                 |                    |
|---------------------|------------------------|------------------------------------------------|-----------------|-----------------|-----------------|-----------------|--------------------|
|                     |                        | TBP<br>(41-120)                                | FBP<br>(48-120) | 2FP<br>(35-120) | NBZ<br>(46-120) | PHL<br>(22-120) | TPHd14<br>(59-136) |
| 480-153849-1        | MW-06-GW               | 106                                            | 110             | 65              | 88              | 46              | 84                 |
| 480-153849-2        | MW-06-GW-DUP           | 94                                             | 96              | 69              | 78              | 48              | 64                 |
| 480-153849-3        | MW-1-02                | 126 X                                          | 101             | 58              | 77              | 46              | 64                 |
| LCS 480-474281/2-A  | Lab Control Sample     | 115                                            | 100             | 82              | 93              | 64              | 106                |
| LCSD 480-474281/3-A | Lab Control Sample Dup | 117                                            | 104             | 83              | 95              | 65              | 101                |
| MB 480-474281/1-A   | Method Blank           | 97                                             | 93              | 73              | 85              | 47              | 97                 |

### Surrogate Legend

TBP = 2,4,6-Tribromophenol  
FBP = 2-Fluorobiphenyl  
2FP = 2-Fluorophenol  
NBZ = Nitrobenzene-d5  
PHL = Phenol-d5  
TPHd14 = p-Terphenyl-d14

## Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                  |
|--------------------|--------------------|------------------------------------------------|------------------|
|                    |                    | DCBP1<br>(20-120)                              | TCX1<br>(44-120) |
| 480-153849-1       | MW-06-GW           | 37                                             | 70               |
| 480-153849-2       | MW-06-GW-DUP       | 45                                             | 85               |
| 480-153849-3       | MW-1-02            | 41                                             | 79               |
| LCS 480-474461/2-A | Lab Control Sample | 46                                             | 66               |
| MB 480-474461/1-A  | Method Blank       | 50                                             | 85               |

### Surrogate Legend

DCBP = DCB Decachlorobiphenyl  
TCX = Tetrachloro-m-xylene



## Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

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

Matrix: Water

Prep Type: Total/NA

|                    |                    | Percent Surrogate Recovery (Acceptance Limits) |                   |
|--------------------|--------------------|------------------------------------------------|-------------------|
| Lab Sample ID      | Client Sample ID   | TCX2<br>(39-121)                               | DCBP2<br>(19-120) |
| 480-153849-1       | MW-06-GW           | 78                                             | 30                |
| 480-153849-2       | MW-06-GW-DUP       | 64                                             | 32                |
| 480-153849-3       | MW-1-02            | 64                                             | 26                |
| LCS 480-475155/2-A | Lab Control Sample | 62                                             | 40                |
| MB 480-475155/1-A  | Method Blank       | 75                                             | 58                |

#### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

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

Lab Sample ID: MB 490-597525/7

Matrix: Water

Analysis Batch: 597525

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB<br>Result | MB<br>Qualifier | RL  | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------------|-----------------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND           |                 | 1.0 | 0.19  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND           |                 | 1.0 | 0.19  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND           |                 | 1.0 | 0.15  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,1,2-Trichloroethane                 | ND           |                 | 1.0 | 0.19  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,1-Dichloroethane                    | ND           |                 | 1.0 | 0.24  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,1-Dichloroethene                    | ND           |                 | 1.0 | 0.25  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,2,4-Trichlorobenzene                | ND           |                 | 1.0 | 0.20  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND           |                 | 10  | 0.94  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,2-Dichlorobenzene                   | ND           |                 | 1.0 | 0.19  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,2-Dichloroethane                    | ND           |                 | 1.0 | 0.20  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,2-Dichloropropane                   | ND           |                 | 1.0 | 0.25  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,3-Dichlorobenzene                   | ND           |                 | 1.0 | 0.18  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,4-Dichlorobenzene                   | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 2-Butanone (MEK)                      | ND           |                 | 50  | 2.6   | ug/L |   |          | 05/24/19 13:16 | 1       |
| 2-Hexanone                            | ND           |                 | 10  | 1.3   | ug/L |   |          | 05/24/19 13:16 | 1       |
| t-Butyl alcohol                       | ND           |                 | 10  | 3.9   | ug/L |   |          | 05/24/19 13:16 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND           |                 | 10  | 0.81  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Acetone                               | ND           |                 | 25  | 2.7   | ug/L |   |          | 05/24/19 13:16 | 1       |
| Benzene                               | ND           |                 | 1.0 | 0.20  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Bromoform                             | ND           |                 | 1.0 | 0.29  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Bromomethane                          | ND           |                 | 1.0 | 0.35  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Carbon disulfide                      | ND           |                 | 1.0 | 0.22  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Carbon tetrachloride                  | ND           |                 | 1.0 | 0.18  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Chlorobenzene                         | ND           |                 | 1.0 | 0.18  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Dibromochloromethane                  | ND           |                 | 1.0 | 0.25  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Chloroethane                          | ND           |                 | 1.0 | 0.36  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Chloroform                            | ND           |                 | 1.0 | 0.23  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Chloromethane                         | ND           |                 | 1.0 | 0.36  | ug/L |   |          | 05/24/19 13:16 | 1       |
| cis-1,2-Dichloroethene                | ND           |                 | 1.0 | 0.21  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Cyclohexane                           | ND           |                 | 5.0 | 0.13  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Bromodichloromethane                  | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Dichlorodifluoromethane               | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Ethylbenzene                          | ND           |                 | 1.0 | 0.19  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,2-Dibromoethane                     | ND           |                 | 1.0 | 0.21  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Isopropylbenzene                      | ND           |                 | 1.0 | 0.33  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Methyl acetate                        | ND           |                 | 10  | 0.58  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Methyl tert-butyl ether               | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Methylcyclohexane                     | ND           |                 | 5.0 | 0.090 | ug/L |   |          | 05/24/19 13:16 | 1       |
| Methylene Chloride                    | ND           |                 | 5.0 | 1.0   | ug/L |   |          | 05/24/19 13:16 | 1       |
| Tetrachloroethene                     | ND           |                 | 1.0 | 0.14  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Toluene                               | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/24/19 13:16 | 1       |
| trans-1,2-Dichloroethene              | ND           |                 | 1.0 | 0.23  | ug/L |   |          | 05/24/19 13:16 | 1       |
| trans-1,3-Dichloropropene             | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Trichloroethene                       | ND           |                 | 1.0 | 0.20  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Trichlorofluoromethane                | ND           |                 | 1.0 | 0.21  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Vinyl chloride                        | ND           |                 | 1.0 | 0.18  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Xylenes, Total                        | ND           |                 | 3.0 | 0.58  | ug/L |   |          | 05/24/19 13:16 | 1       |
| cis-1,3-Dichloropropene               | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/24/19 13:16 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

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

Lab Sample ID: MB 490-597525/7

Matrix: Water

Analysis Batch: 597525

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                      | MB<br>Result    | MB<br>Qualifier | RL       | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------------|-----------------|----------|------|------|---|----------|----------------|---------|
| Styrene                      | ND              |                 | 1.0      | 0.28 | ug/L |   |          | 05/24/19 13:16 | 1       |
| Surrogate                    | MB<br>%Recovery | MB<br>Qualifier | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 98              |                 | 70 - 130 |      |      |   |          | 05/24/19 13:16 | 1       |
| 4-Bromofluorobenzene (Surr)  | 105             |                 | 70 - 130 |      |      |   |          | 05/24/19 13:16 | 1       |
| Toluene-d8 (Surr)            | 105             |                 | 70 - 130 |      |      |   |          | 05/24/19 13:16 | 1       |
| Dibromofluoromethane (Surr)  | 107             |                 | 70 - 130 |      |      |   |          | 05/24/19 13:16 | 1       |

Lab Sample ID: LCS 490-597525/3

Matrix: Water

Analysis Batch: 597525

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------------------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 1,1,1-Trichloroethane                 | 20.0           | 20.8          |                  | ug/L |   | 104  | 78 - 135        |
| 1,1,2,2-Tetrachloroethane             | 20.0           | 21.1          |                  | ug/L |   | 106  | 69 - 131        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 20.0           | 21.3          |                  | ug/L |   | 106  | 77 - 129        |
| 1,1,2-Trichloroethane                 | 20.0           | 20.3          |                  | ug/L |   | 102  | 80 - 124        |
| 1,1-Dichloroethane                    | 20.0           | 19.8          |                  | ug/L |   | 99   | 78 - 125        |
| 1,1-Dichloroethene                    | 20.0           | 21.1          |                  | ug/L |   | 106  | 79 - 124        |
| 1,2,4-Trichlorobenzene                | 20.0           | 20.6          |                  | ug/L |   | 103  | 63 - 133        |
| 1,2-Dibromo-3-Chloropropane           | 20.0           | 20.0          |                  | ug/L |   | 100  | 54 - 125        |
| 1,2-Dichlorobenzene                   | 20.0           | 21.2          |                  | ug/L |   | 106  | 80 - 121        |
| 1,2-Dichloroethane                    | 20.0           | 19.5          |                  | ug/L |   | 97   | 77 - 121        |
| 1,2-Dichloropropane                   | 20.0           | 19.5          |                  | ug/L |   | 98   | 75 - 120        |
| 1,3-Dichlorobenzene                   | 20.0           | 20.8          |                  | ug/L |   | 104  | 80 - 122        |
| 1,4-Dichlorobenzene                   | 20.0           | 18.8          |                  | ug/L |   | 94   | 80 - 120        |
| 2-Butanone (MEK)                      | 100            | 109           |                  | ug/L |   | 109  | 62 - 133        |
| 2-Hexanone                            | 100            | 96.9          |                  | ug/L |   | 97   | 60 - 142        |
| t-Butyl alcohol                       | 200            | 192           |                  | ug/L |   | 96   | 54 - 150        |
| 4-Methyl-2-pentanone (MIBK)           | 100            | 108           |                  | ug/L |   | 108  | 60 - 137        |
| Acetone                               | 100            | 98.2          |                  | ug/L |   | 98   | 54 - 145        |
| Benzene                               | 20.0           | 20.0          |                  | ug/L |   | 100  | 80 - 121        |
| Bromoform                             | 20.0           | 20.7          |                  | ug/L |   | 104  | 46 - 145        |
| Bromomethane                          | 20.0           | 20.9          |                  | ug/L |   | 105  | 41 - 150        |
| Carbon disulfide                      | 20.0           | 20.6          |                  | ug/L |   | 103  | 77 - 126        |
| Carbon tetrachloride                  | 20.0           | 20.9          |                  | ug/L |   | 105  | 64 - 147        |
| Chlorobenzene                         | 20.0           | 20.4          |                  | ug/L |   | 102  | 80 - 120        |
| Dibromochloromethane                  | 20.0           | 19.7          |                  | ug/L |   | 98   | 69 - 133        |
| Chloroethane                          | 20.0           | 19.6          |                  | ug/L |   | 98   | 72 - 120        |
| Chloroform                            | 20.0           | 20.4          |                  | ug/L |   | 102  | 73 - 129        |
| Chloromethane                         | 20.0           | 20.5          |                  | ug/L |   | 103  | 12 - 150        |
| cis-1,2-Dichloroethene                | 20.0           | 19.5          |                  | ug/L |   | 98   | 76 - 125        |
| Cyclohexane                           | 20.0           | 21.4          |                  | ug/L |   | 107  | 73 - 122        |
| Bromodichloromethane                  | 20.0           | 20.1          |                  | ug/L |   | 101  | 75 - 129        |
| Dichlorodifluoromethane               | 20.0           | 23.3          |                  | ug/L |   | 117  | 37 - 127        |
| Ethylbenzene                          | 20.0           | 21.6          |                  | ug/L |   | 108  | 80 - 130        |
| 1,2-Dibromoethane                     | 20.0           | 21.5          |                  | ug/L |   | 107  | 80 - 129        |
| Isopropylbenzene                      | 20.0           | 20.8          |                  | ug/L |   | 104  | 80 - 141        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

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

Lab Sample ID: LCS 490-597525/3

Matrix: Water

Analysis Batch: 597525

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Methyl acetate            | 40.0        | 43.7       |               | ug/L |   | 109  | 64 - 150     |
| Methyl tert-butyl ether   | 20.0        | 21.2       |               | ug/L |   | 106  | 72 - 133     |
| Methylcyclohexane         | 20.0        | 21.0       |               | ug/L |   | 105  | 71 - 129     |
| Methylene Chloride        | 20.0        | 19.3       |               | ug/L |   | 96   | 79 - 123     |
| Tetrachloroethene         | 20.0        | 19.2       |               | ug/L |   | 96   | 80 - 126     |
| Toluene                   | 20.0        | 20.6       |               | ug/L |   | 103  | 80 - 126     |
| trans-1,2-Dichloroethene  | 20.0        | 20.1       |               | ug/L |   | 101  | 79 - 126     |
| trans-1,3-Dichloropropene | 20.0        | 21.6       |               | ug/L |   | 108  | 63 - 134     |
| Trichloroethene           | 20.0        | 20.2       |               | ug/L |   | 101  | 80 - 123     |
| Trichlorofluoromethane    | 20.0        | 21.0       |               | ug/L |   | 105  | 65 - 124     |
| Vinyl chloride            | 20.0        | 21.0       |               | ug/L |   | 105  | 68 - 120     |
| cis-1,3-Dichloropropene   | 20.0        | 21.3       |               | ug/L |   | 106  | 74 - 140     |
| Styrene                   | 20.0        | 21.4       |               | ug/L |   | 107  | 80 - 127     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 103           |               | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 103           |               | 70 - 130 |
| Toluene-d8 (Surr)            | 103           |               | 70 - 130 |
| Dibromofluoromethane (Surr)  | 103           |               | 70 - 130 |

Lab Sample ID: LCSD 490-597525/4

Matrix: Water

Analysis Batch: 597525

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-------|
| 1,1,1-Trichloroethane                 | 20.0        | 20.9        |                | ug/L |   | 104  | 78 - 135     | 0   | 15    |
| 1,1,2,2-Tetrachloroethane             | 20.0        | 20.8        |                | ug/L |   | 104  | 69 - 131     | 2   | 15    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 20.0        | 21.0        |                | ug/L |   | 105  | 77 - 129     | 1   | 16    |
| 1,1,2-Trichloroethane                 | 20.0        | 20.3        |                | ug/L |   | 102  | 80 - 124     | 0   | 13    |
| 1,1-Dichloroethane                    | 20.0        | 20.1        |                | ug/L |   | 101  | 78 - 125     | 2   | 17    |
| 1,1-Dichloroethene                    | 20.0        | 21.4        |                | ug/L |   | 107  | 79 - 124     | 1   | 20    |
| 1,2,4-Trichlorobenzene                | 20.0        | 20.9        |                | ug/L |   | 104  | 63 - 133     | 2   | 15    |
| 1,2-Dibromo-3-Chloropropane           | 20.0        | 19.9        |                | ug/L |   | 99   | 54 - 125     | 0   | 19    |
| 1,2-Dichlorobenzene                   | 20.0        | 21.3        |                | ug/L |   | 107  | 80 - 121     | 1   | 12    |
| 1,2-Dichloroethane                    | 20.0        | 20.1        |                | ug/L |   | 100  | 77 - 121     | 3   | 13    |
| 1,2-Dichloropropane                   | 20.0        | 19.7        |                | ug/L |   | 98   | 75 - 120     | 1   | 15    |
| 1,3-Dichlorobenzene                   | 20.0        | 21.3        |                | ug/L |   | 107  | 80 - 122     | 2   | 13    |
| 1,4-Dichlorobenzene                   | 20.0        | 19.9        |                | ug/L |   | 99   | 80 - 120     | 6   | 12    |
| 2-Butanone (MEK)                      | 100         | 105         |                | ug/L |   | 105  | 62 - 133     | 3   | 19    |
| 2-Hexanone                            | 100         | 99.0        |                | ug/L |   | 99   | 60 - 142     | 2   | 17    |
| t-Butyl alcohol                       | 200         | 193         |                | ug/L |   | 97   | 54 - 150     | 1   | 46    |
| 4-Methyl-2-pentanone (MIBK)           | 100         | 106         |                | ug/L |   | 106  | 60 - 137     | 2   | 21    |
| Acetone                               | 100         | 93.1        |                | ug/L |   | 93   | 54 - 145     | 5   | 23    |
| Benzene                               | 20.0        | 20.1        |                | ug/L |   | 101  | 80 - 121     | 1   | 12    |
| Bromoform                             | 20.0        | 20.1        |                | ug/L |   | 101  | 46 - 145     | 3   | 14    |
| Bromomethane                          | 20.0        | 21.1        |                | ug/L |   | 105  | 41 - 150     | 1   | 19    |
| Carbon disulfide                      | 20.0        | 19.7        |                | ug/L |   | 98   | 77 - 126     | 5   | 16    |
| Carbon tetrachloride                  | 20.0        | 21.2        |                | ug/L |   | 106  | 64 - 147     | 2   | 16    |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

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

Lab Sample ID: LCSD 490-597525/4

Matrix: Water

Analysis Batch: 597525

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Chlorobenzene             | 20.0        | 20.2        |                | ug/L |   | 101  | 80 - 120     | 1   | 12        |
| Dibromochloromethane      | 20.0        | 19.7        |                | ug/L |   | 98   | 69 - 133     | 0   | 13        |
| Chloroethane              | 20.0        | 20.4        |                | ug/L |   | 102  | 72 - 120     | 4   | 15        |
| Chloroform                | 20.0        | 20.4        |                | ug/L |   | 102  | 73 - 129     | 0   | 14        |
| Chloromethane             | 20.0        | 19.6        |                | ug/L |   | 98   | 12 - 150     | 5   | 20        |
| cis-1,2-Dichloroethene    | 20.0        | 20.4        |                | ug/L |   | 102  | 76 - 125     | 5   | 15        |
| Cyclohexane               | 20.0        | 21.4        |                | ug/L |   | 107  | 73 - 122     | 0   | 16        |
| Bromodichloromethane      | 20.0        | 21.1        |                | ug/L |   | 105  | 75 - 129     | 5   | 14        |
| Dichlorodifluoromethane   | 20.0        | 24.2        |                | ug/L |   | 121  | 37 - 127     | 4   | 16        |
| Ethylbenzene              | 20.0        | 21.5        |                | ug/L |   | 108  | 80 - 130     | 0   | 12        |
| 1,2-Dibromoethane         | 20.0        | 21.8        |                | ug/L |   | 109  | 80 - 129     | 2   | 13        |
| Isopropylbenzene          | 20.0        | 20.1        |                | ug/L |   | 100  | 80 - 141     | 4   | 13        |
| Methyl acetate            | 40.0        | 42.1        |                | ug/L |   | 105  | 64 - 150     | 4   | 18        |
| Methyl tert-butyl ether   | 20.0        | 21.6        |                | ug/L |   | 108  | 72 - 133     | 2   | 16        |
| Methylcyclohexane         | 20.0        | 21.3        |                | ug/L |   | 107  | 71 - 129     | 2   | 17        |
| Methylene Chloride        | 20.0        | 19.0        |                | ug/L |   | 95   | 79 - 123     | 2   | 15        |
| Tetrachloroethene         | 20.0        | 19.9        |                | ug/L |   | 100  | 80 - 126     | 3   | 17        |
| Toluene                   | 20.0        | 20.7        |                | ug/L |   | 103  | 80 - 126     | 0   | 13        |
| trans-1,2-Dichloroethene  | 20.0        | 20.5        |                | ug/L |   | 102  | 79 - 126     | 2   | 15        |
| trans-1,3-Dichloropropene | 20.0        | 21.2        |                | ug/L |   | 106  | 63 - 134     | 2   | 13        |
| Trichloroethene           | 20.0        | 20.4        |                | ug/L |   | 102  | 80 - 123     | 1   | 14        |
| Trichlorofluoromethane    | 20.0        | 21.3        |                | ug/L |   | 106  | 65 - 124     | 1   | 22        |
| Vinyl chloride            | 20.0        | 21.3        |                | ug/L |   | 106  | 68 - 120     | 1   | 15        |
| cis-1,3-Dichloropropene   | 20.0        | 22.1        |                | ug/L |   | 111  | 74 - 140     | 4   | 15        |
| Styrene                   | 20.0        | 20.7        |                | ug/L |   | 104  | 80 - 127     | 3   | 12        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 102            |                | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 102            |                | 70 - 130 |
| Toluene-d8 (Surr)            | 102            |                | 70 - 130 |
| Dibromofluoromethane (Surr)  | 100            |                | 70 - 130 |

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

Lab Sample ID: MB 480-474281/1-A

Matrix: Water

Analysis Batch: 474982

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474281

| Analyte               | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol | ND        |              | 5.0 | 0.48 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 2,4,6-Trichlorophenol | ND        |              | 5.0 | 0.61 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 2,4-Dichlorophenol    | ND        |              | 5.0 | 0.51 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 2,4-Dimethylphenol    | ND        |              | 5.0 | 0.50 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 2,4-Dinitrophenol     | ND        |              | 10  | 2.2  | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 2,4-Dinitrotoluene    | ND        |              | 5.0 | 0.45 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 2,6-Dinitrotoluene    | ND        |              | 5.0 | 0.40 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 2-Chloronaphthalene   | ND        |              | 5.0 | 0.46 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 2-Chlorophenol        | ND        |              | 5.0 | 0.53 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 2-Methylnaphthalene   | ND        |              | 5.0 | 0.60 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

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

Lab Sample ID: MB 480-474281/1-A

Matrix: Water

Analysis Batch: 474982

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474281

| Analyte                       | MB<br>Result | MB<br>Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------------|-----|------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND           |                 | 5.0 | 0.40 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 2-Nitroaniline                | ND           |                 | 10  | 0.42 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 2-Nitrophenol                 | ND           |                 | 5.0 | 0.48 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 3,3'-Dichlorobenzidine        | ND           |                 | 5.0 | 0.40 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 3-Nitroaniline                | ND           |                 | 10  | 0.48 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND           |                 | 10  | 2.2  | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 4-Bromophenyl phenyl ether    | ND           |                 | 5.0 | 0.45 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 4-Chloro-3-methylphenol       | ND           |                 | 5.0 | 0.45 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 4-Chloroaniline               | ND           |                 | 5.0 | 0.59 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 4-Chlorophenyl phenyl ether   | ND           |                 | 5.0 | 0.35 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 4-Methylphenol                | ND           |                 | 10  | 0.36 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 4-Nitroaniline                | ND           |                 | 10  | 0.25 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 4-Nitrophenol                 | ND           |                 | 10  | 1.5  | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Acenaphthene                  | ND           |                 | 5.0 | 0.41 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Acenaphthylene                | ND           |                 | 5.0 | 0.38 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Acetophenone                  | ND           |                 | 5.0 | 0.54 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Anthracene                    | ND           |                 | 5.0 | 0.28 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Atrazine                      | ND           |                 | 5.0 | 0.46 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Benzaldehyde                  | ND           |                 | 5.0 | 0.27 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Benzo(a)anthracene            | ND           |                 | 5.0 | 0.36 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Benzo(a)pyrene                | ND           |                 | 5.0 | 0.47 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Benzo(b)fluoranthene          | ND           |                 | 5.0 | 0.34 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Benzo(g,h,i)perylene          | ND           |                 | 5.0 | 0.35 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Benzo(k)fluoranthene          | ND           |                 | 5.0 | 0.73 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Biphenyl                      | ND           |                 | 5.0 | 0.65 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| bis (2-chloroisopropyl) ether | ND           |                 | 5.0 | 0.52 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Bis(2-chloroethoxy)methane    | ND           |                 | 5.0 | 0.35 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Bis(2-chloroethyl)ether       | ND           |                 | 5.0 | 0.40 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND           |                 | 5.0 | 2.2  | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Butyl benzyl phthalate        | ND           |                 | 5.0 | 1.0  | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Caprolactam                   | ND           |                 | 5.0 | 2.2  | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Carbazole                     | ND           |                 | 5.0 | 0.30 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Chrysene                      | ND           |                 | 5.0 | 0.33 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Dibenz(a,h)anthracene         | ND           |                 | 5.0 | 0.42 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Dibenzofuran                  | ND           |                 | 10  | 0.51 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Diethyl phthalate             | ND           |                 | 5.0 | 0.22 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Dimethyl phthalate            | ND           |                 | 5.0 | 0.36 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Di-n-butyl phthalate          | ND           |                 | 5.0 | 0.31 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Di-n-octyl phthalate          | ND           |                 | 5.0 | 0.47 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Fluoranthene                  | ND           |                 | 5.0 | 0.40 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Fluorene                      | ND           |                 | 5.0 | 0.36 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Hexachlorobenzene             | ND           |                 | 5.0 | 0.51 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Hexachlorobutadiene           | ND           |                 | 5.0 | 0.68 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Hexachlorocyclopentadiene     | ND           |                 | 5.0 | 0.59 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Hexachloroethane              | ND           |                 | 5.0 | 0.59 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Indeno(1,2,3-cd)pyrene        | ND           |                 | 5.0 | 0.47 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Isophorone                    | ND           |                 | 5.0 | 0.43 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Naphthalene                   | ND           |                 | 5.0 | 0.76 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Nitrobenzene                  | ND           |                 | 5.0 | 0.29 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

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

Lab Sample ID: MB 480-474281/1-A

Matrix: Water

Analysis Batch: 474982

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474281

| Analyte                   | MB<br>Result | MB<br>Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------------|-----------------|-----|------|------|---|----------------|----------------|---------|
| N-Nitrosodi-n-propylamine | ND           |                 | 5.0 | 0.54 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| N-Nitrosodiphenylamine    | ND           |                 | 5.0 | 0.51 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Pentachlorophenol         | ND           |                 | 10  | 2.2  | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Phenanthrene              | ND           |                 | 5.0 | 0.44 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Phenol                    | ND           |                 | 5.0 | 0.39 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Pyrene                    | ND           |                 | 5.0 | 0.34 | ug/L |   | 05/23/19 06:26 | 05/28/19 21:22 | 1       |

| Surrogate            | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 97              |                 | 41 - 120 | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 2-Fluorobiphenyl     | 93              |                 | 48 - 120 | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| 2-Fluorophenol       | 73              |                 | 35 - 120 | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Nitrobenzene-d5      | 85              |                 | 46 - 120 | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| Phenol-d5            | 47              |                 | 22 - 120 | 05/23/19 06:26 | 05/28/19 21:22 | 1       |
| p-Terphenyl-d14      | 97              |                 | 59 - 136 | 05/23/19 06:26 | 05/28/19 21:22 | 1       |

Lab Sample ID: LCS 480-474281/2-A

Matrix: Water

Analysis Batch: 474982

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474281

| Analyte                     | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|-----------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 2,4,5-Trichlorophenol       | 32.0           | 35.7          |                  | ug/L |   | 112  | 65 - 126        |
| 2,4,6-Trichlorophenol       | 32.0           | 34.6          |                  | ug/L |   | 108  | 64 - 120        |
| 2,4-Dichlorophenol          | 32.0           | 34.1          |                  | ug/L |   | 107  | 63 - 120        |
| 2,4-Dimethylphenol          | 32.0           | 30.5          |                  | ug/L |   | 95   | 47 - 120        |
| 2,4-Dinitrophenol           | 64.0           | 71.1          |                  | ug/L |   | 111  | 31 - 137        |
| 2,4-Dinitrotoluene          | 32.0           | 34.4          |                  | ug/L |   | 108  | 69 - 120        |
| 2,6-Dinitrotoluene          | 32.0           | 32.1          |                  | ug/L |   | 100  | 68 - 120        |
| 2-Chloronaphthalene         | 32.0           | 29.4          |                  | ug/L |   | 92   | 58 - 120        |
| 2-Chlorophenol              | 32.0           | 30.8          |                  | ug/L |   | 96   | 48 - 120        |
| 2-Methylnaphthalene         | 32.0           | 29.8          |                  | ug/L |   | 93   | 59 - 120        |
| 2-Methylphenol              | 32.0           | 28.4          |                  | ug/L |   | 89   | 39 - 120        |
| 2-Nitroaniline              | 32.0           | 29.7          |                  | ug/L |   | 93   | 54 - 127        |
| 2-Nitrophenol               | 32.0           | 32.2          |                  | ug/L |   | 100  | 52 - 125        |
| 3,3'-Dichlorobenzidine      | 64.0           | 70.7          |                  | ug/L |   | 111  | 49 - 135        |
| 3-Nitroaniline              | 32.0           | 25.7          |                  | ug/L |   | 80   | 51 - 120        |
| 4,6-Dinitro-2-methylphenol  | 64.0           | 76.0          |                  | ug/L |   | 119  | 46 - 136        |
| 4-Bromophenyl phenyl ether  | 32.0           | 32.9          |                  | ug/L |   | 103  | 65 - 120        |
| 4-Chloro-3-methylphenol     | 32.0           | 32.5          |                  | ug/L |   | 102  | 61 - 123        |
| 4-Chloroaniline             | 32.0           | 19.8          |                  | ug/L |   | 62   | 30 - 120        |
| 4-Chlorophenyl phenyl ether | 32.0           | 32.6          |                  | ug/L |   | 102  | 62 - 120        |
| 4-Methylphenol              | 32.0           | 24.3          |                  | ug/L |   | 76   | 29 - 131        |
| 4-Nitroaniline              | 32.0           | 32.4          |                  | ug/L |   | 101  | 65 - 120        |
| 4-Nitrophenol               | 64.0           | 53.4          |                  | ug/L |   | 83   | 45 - 120        |
| Acenaphthene                | 32.0           | 31.1          |                  | ug/L |   | 97   | 60 - 120        |
| Acenaphthylene              | 32.0           | 32.0          |                  | ug/L |   | 100  | 63 - 120        |
| Acetophenone                | 32.0           | 26.0          |                  | ug/L |   | 81   | 45 - 120        |
| Anthracene                  | 32.0           | 32.6          |                  | ug/L |   | 102  | 67 - 120        |
| Atrazine                    | 64.0           | 75.3          |                  | ug/L |   | 118  | 71 - 130        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

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

Lab Sample ID: LCS 480-474281/2-A

Matrix: Water

Analysis Batch: 474982

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474281

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|--------------|
| Benzaldehyde                  | 64.0        | 57.0       |               | ug/L |   | 89   | 10 - 140     |
| Benzo(a)anthracene            | 32.0        | 34.3       |               | ug/L |   | 107  | 70 - 121     |
| Benzo(a)pyrene                | 32.0        | 31.3       |               | ug/L |   | 98   | 60 - 123     |
| Benzo(b)fluoranthene          | 32.0        | 33.7       |               | ug/L |   | 105  | 66 - 126     |
| Benzo(g,h,i)perylene          | 32.0        | 32.7       |               | ug/L |   | 102  | 66 - 150     |
| Benzo(k)fluoranthene          | 32.0        | 35.3       |               | ug/L |   | 110  | 65 - 124     |
| Biphenyl                      | 32.0        | 29.6       |               | ug/L |   | 93   | 59 - 120     |
| bis (2-chloroisopropyl) ether | 32.0        | 25.2       |               | ug/L |   | 79   | 21 - 136     |
| Bis(2-chloroethoxy)methane    | 32.0        | 29.7       |               | ug/L |   | 93   | 50 - 128     |
| Bis(2-chloroethyl)ether       | 32.0        | 31.5       |               | ug/L |   | 98   | 44 - 120     |
| Bis(2-ethylhexyl) phthalate   | 32.0        | 32.4       |               | ug/L |   | 101  | 63 - 139     |
| Butyl benzyl phthalate        | 32.0        | 31.5       |               | ug/L |   | 98   | 70 - 129     |
| Caprolactam                   | 64.0        | 23.9       |               | ug/L |   | 37   | 22 - 120     |
| Carbazole                     | 32.0        | 34.6       |               | ug/L |   | 108  | 66 - 123     |
| Chrysene                      | 32.0        | 34.2       |               | ug/L |   | 107  | 69 - 120     |
| Dibenz(a,h)anthracene         | 32.0        | 32.1       |               | ug/L |   | 100  | 65 - 135     |
| Dibenzofuran                  | 32.0        | 31.4       |               | ug/L |   | 98   | 66 - 120     |
| Diethyl phthalate             | 32.0        | 34.9       |               | ug/L |   | 109  | 59 - 127     |
| Dimethyl phthalate            | 32.0        | 31.0       |               | ug/L |   | 97   | 68 - 120     |
| Di-n-butyl phthalate          | 32.0        | 32.8       |               | ug/L |   | 103  | 69 - 131     |
| Di-n-octyl phthalate          | 32.0        | 32.7       |               | ug/L |   | 102  | 63 - 140     |
| Fluoranthene                  | 32.0        | 35.0       |               | ug/L |   | 109  | 69 - 126     |
| Fluorene                      | 32.0        | 33.4       |               | ug/L |   | 104  | 66 - 120     |
| Hexachlorobenzene             | 32.0        | 34.4       |               | ug/L |   | 107  | 61 - 120     |
| Hexachlorobutadiene           | 32.0        | 27.0       |               | ug/L |   | 84   | 35 - 120     |
| Hexachlorocyclopentadiene     | 32.0        | 23.1       |               | ug/L |   | 72   | 31 - 120     |
| Hexachloroethane              | 32.0        | 23.8       |               | ug/L |   | 74   | 43 - 120     |
| Indeno(1,2,3-cd)pyrene        | 32.0        | 31.9       |               | ug/L |   | 100  | 69 - 146     |
| Isophorone                    | 32.0        | 29.8       |               | ug/L |   | 93   | 55 - 120     |
| Naphthalene                   | 32.0        | 28.6       |               | ug/L |   | 89   | 57 - 120     |
| Nitrobenzene                  | 32.0        | 29.8       |               | ug/L |   | 93   | 53 - 123     |
| N-Nitrosodi-n-propylamine     | 32.0        | 24.6       |               | ug/L |   | 77   | 32 - 140     |
| N-Nitrosodiphenylamine        | 32.0        | 31.3       |               | ug/L |   | 98   | 61 - 120     |
| Pentachlorophenol             | 64.0        | 69.0       |               | ug/L |   | 108  | 29 - 136     |
| Phenanthrene                  | 32.0        | 33.8       |               | ug/L |   | 106  | 68 - 120     |
| Phenol                        | 32.0        | 21.1       |               | ug/L |   | 66   | 17 - 120     |
| Pyrene                        | 32.0        | 33.9       |               | ug/L |   | 106  | 70 - 125     |

| Surrogate            | LCS %Recovery | LCS Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol | 115           |               | 41 - 120 |
| 2-Fluorobiphenyl     | 100           |               | 48 - 120 |
| 2-Fluorophenol       | 82            |               | 35 - 120 |
| Nitrobenzene-d5      | 93            |               | 46 - 120 |
| Phenol-d5            | 64            |               | 22 - 120 |
| p-Terphenyl-d14      | 106           |               | 59 - 136 |



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

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

Lab Sample ID: LCSD 480-474281/3-A

Matrix: Water

Analysis Batch: 474982

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 474281

| Analyte                       | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
|                               |             |             |                |      |   |      |              |     |           |
| 2,4,5-Trichlorophenol         | 32.0        | 35.9        |                | ug/L |   | 112  | 65 - 126     | 1   | 18        |
| 2,4,6-Trichlorophenol         | 32.0        | 37.4        |                | ug/L |   | 117  | 64 - 120     | 8   | 19        |
| 2,4-Dichlorophenol            | 32.0        | 36.0        |                | ug/L |   | 112  | 63 - 120     | 5   | 19        |
| 2,4-Dimethylphenol            | 32.0        | 32.4        |                | ug/L |   | 101  | 47 - 120     | 6   | 42        |
| 2,4-Dinitrophenol             | 64.0        | 80.3        |                | ug/L |   | 125  | 31 - 137     | 12  | 22        |
| 2,4-Dinitrotoluene            | 32.0        | 35.6        |                | ug/L |   | 111  | 69 - 120     | 3   | 20        |
| 2,6-Dinitrotoluene            | 32.0        | 32.8        |                | ug/L |   | 103  | 68 - 120     | 2   | 15        |
| 2-Chloronaphthalene           | 32.0        | 29.3        |                | ug/L |   | 91   | 58 - 120     | 1   | 21        |
| 2-Chlorophenol                | 32.0        | 32.9        |                | ug/L |   | 103  | 48 - 120     | 7   | 25        |
| 2-Methylnaphthalene           | 32.0        | 31.7        |                | ug/L |   | 99   | 59 - 120     | 6   | 21        |
| 2-Methylphenol                | 32.0        | 30.5        |                | ug/L |   | 95   | 39 - 120     | 7   | 27        |
| 2-Nitroaniline                | 32.0        | 26.2        |                | ug/L |   | 82   | 54 - 127     | 12  | 15        |
| 2-Nitrophenol                 | 32.0        | 33.8        |                | ug/L |   | 106  | 52 - 125     | 5   | 18        |
| 3,3'-Dichlorobenzidine        | 64.0        | 72.7        |                | ug/L |   | 114  | 49 - 135     | 3   | 25        |
| 3-Nitroaniline                | 32.0        | 22.3        |                | ug/L |   | 70   | 51 - 120     | 14  | 19        |
| 4,6-Dinitro-2-methylphenol    | 64.0        | 84.9        |                | ug/L |   | 133  | 46 - 136     | 11  | 15        |
| 4-Bromophenyl phenyl ether    | 32.0        | 34.8        |                | ug/L |   | 109  | 65 - 120     | 6   | 15        |
| 4-Chloro-3-methylphenol       | 32.0        | 32.8        |                | ug/L |   | 103  | 61 - 123     | 1   | 27        |
| 4-Chloroaniline               | 32.0        | 18.8        |                | ug/L |   | 59   | 30 - 120     | 5   | 22        |
| 4-Chlorophenyl phenyl ether   | 32.0        | 35.2        |                | ug/L |   | 110  | 62 - 120     | 8   | 16        |
| 4-Methylphenol                | 32.0        | 30.4        |                | ug/L |   | 95   | 29 - 131     | 23  | 24        |
| 4-Nitroaniline                | 32.0        | 29.5        |                | ug/L |   | 92   | 65 - 120     | 9   | 24        |
| 4-Nitrophenol                 | 64.0        | 50.1        |                | ug/L |   | 78   | 45 - 120     | 6   | 48        |
| Acenaphthene                  | 32.0        | 32.7        |                | ug/L |   | 102  | 60 - 120     | 5   | 24        |
| Acenaphthylene                | 32.0        | 31.2        |                | ug/L |   | 97   | 63 - 120     | 3   | 18        |
| Acetophenone                  | 32.0        | 31.9 *      |                | ug/L |   | 100  | 45 - 120     | 21  | 20        |
| Anthracene                    | 32.0        | 33.4        |                | ug/L |   | 104  | 67 - 120     | 2   | 15        |
| Atrazine                      | 64.0        | 75.7        |                | ug/L |   | 118  | 71 - 130     | 0   | 20        |
| Benzaldehyde                  | 64.0        | 55.4        |                | ug/L |   | 87   | 10 - 140     | 3   | 20        |
| Benzo(a)anthracene            | 32.0        | 34.2        |                | ug/L |   | 107  | 70 - 121     | 0   | 15        |
| Benzo(a)pyrene                | 32.0        | 31.9        |                | ug/L |   | 100  | 60 - 123     | 2   | 15        |
| Benzo(b)fluoranthene          | 32.0        | 35.2        |                | ug/L |   | 110  | 66 - 126     | 4   | 15        |
| Benzo(g,h,i)perylene          | 32.0        | 35.7        |                | ug/L |   | 112  | 66 - 150     | 9   | 15        |
| Benzo(k)fluoranthene          | 32.0        | 35.8        |                | ug/L |   | 112  | 65 - 124     | 2   | 22        |
| Biphenyl                      | 32.0        | 31.5        |                | ug/L |   | 98   | 59 - 120     | 6   | 20        |
| bis (2-chloroisopropyl) ether | 32.0        | 25.7        |                | ug/L |   | 80   | 21 - 136     | 2   | 24        |
| Bis(2-chloroethoxy)methane    | 32.0        | 30.7        |                | ug/L |   | 96   | 50 - 128     | 3   | 17        |
| Bis(2-chloroethyl)ether       | 32.0        | 32.0        |                | ug/L |   | 100  | 44 - 120     | 2   | 21        |
| Bis(2-ethylhexyl) phthalate   | 32.0        | 33.0        |                | ug/L |   | 103  | 63 - 139     | 2   | 15        |
| Butyl benzyl phthalate        | 32.0        | 32.2        |                | ug/L |   | 101  | 70 - 129     | 2   | 16        |
| Caprolactam                   | 64.0        | 22.4        |                | ug/L |   | 35   | 22 - 120     | 7   | 20        |
| Carbazole                     | 32.0        | 37.1        |                | ug/L |   | 116  | 66 - 123     | 7   | 20        |
| Chrysene                      | 32.0        | 34.9        |                | ug/L |   | 109  | 69 - 120     | 2   | 15        |
| Dibenz(a,h)anthracene         | 32.0        | 34.8        |                | ug/L |   | 109  | 65 - 135     | 8   | 15        |
| Dibenzofuran                  | 32.0        | 33.0        |                | ug/L |   | 103  | 66 - 120     | 5   | 15        |
| Diethyl phthalate             | 32.0        | 37.1        |                | ug/L |   | 116  | 59 - 127     | 6   | 15        |
| Dimethyl phthalate            | 32.0        | 32.4        |                | ug/L |   | 101  | 68 - 120     | 4   | 15        |
| Di-n-butyl phthalate          | 32.0        | 34.6        |                | ug/L |   | 108  | 69 - 131     | 5   | 15        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153849-1

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

Lab Sample ID: LCSD 480-474281/3-A

Matrix: Water

Analysis Batch: 474982

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 474281

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Di-n-octyl phthalate      | 32.0        | 33.6        |                | ug/L |   | 105  | 63 - 140     | 3   | 16        |
| Fluoranthene              | 32.0        | 36.4        |                | ug/L |   | 114  | 69 - 126     | 4   | 15        |
| Fluorene                  | 32.0        | 34.7        |                | ug/L |   | 109  | 66 - 120     | 4   | 15        |
| Hexachlorobenzene         | 32.0        | 35.6        |                | ug/L |   | 111  | 61 - 120     | 3   | 15        |
| Hexachlorobutadiene       | 32.0        | 29.2        |                | ug/L |   | 91   | 35 - 120     | 8   | 44        |
| Hexachlorocyclopentadiene | 32.0        | 24.9        |                | ug/L |   | 78   | 31 - 120     | 7   | 49        |
| Hexachloroethane          | 32.0        | 27.3        |                | ug/L |   | 85   | 43 - 120     | 14  | 46        |
| Indeno(1,2,3-cd)pyrene    | 32.0        | 34.9        |                | ug/L |   | 109  | 69 - 146     | 9   | 15        |
| Isophorone                | 32.0        | 32.3        |                | ug/L |   | 101  | 55 - 120     | 8   | 17        |
| Naphthalene               | 32.0        | 30.0        |                | ug/L |   | 94   | 57 - 120     | 5   | 29        |
| Nitrobenzene              | 32.0        | 30.7        |                | ug/L |   | 96   | 53 - 123     | 3   | 24        |
| N-Nitrosodi-n-propylamine | 32.0        | 31.4        |                | ug/L |   | 98   | 32 - 140     | 24  | 31        |
| N-Nitrosodiphenylamine    | 32.0        | 32.4        |                | ug/L |   | 101  | 61 - 120     | 3   | 15        |
| Pentachlorophenol         | 64.0        | 75.8        |                | ug/L |   | 118  | 29 - 136     | 9   | 37        |
| Phenanthrene              | 32.0        | 35.9        |                | ug/L |   | 112  | 68 - 120     | 6   | 15        |
| Phenol                    | 32.0        | 21.6        |                | ug/L |   | 68   | 17 - 120     | 2   | 34        |
| Pyrene                    | 32.0        | 33.9        |                | ug/L |   | 106  | 70 - 125     | 0   | 19        |

| Surrogate            | LCSD %Recovery | LCSD Qualifier | Limits   |
|----------------------|----------------|----------------|----------|
| 2,4,6-Tribromophenol | 117            |                | 41 - 120 |
| 2-Fluorobiphenyl     | 104            |                | 48 - 120 |
| 2-Fluorophenol       | 83             |                | 35 - 120 |
| Nitrobenzene-d5      | 95             |                | 46 - 120 |
| Phenol-d5            | 65             |                | 22 - 120 |
| p-Terphenyl-d14      | 101            |                | 59 - 136 |

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-474465/1-A

Matrix: Water

Analysis Batch: 475143

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474465

| Analyte          | MB Result    | MB Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND           |              | 0.20     | 0.10 | ug/L |   | 05/23/19 15:07 | 05/29/19 19:37 | 1       |
| Isotope Dilution | MB %Recovery | MB Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 32           |              | 15 - 110 |      |      |   | 05/23/19 15:07 | 05/29/19 19:37 | 1       |

Lab Sample ID: LCS 480-474465/2-A

Matrix: Water

Analysis Batch: 475143

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474465

|                  |           |           | Spike    | LCS    | LCS       | %Rec. |   |      |          |
|------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|
| Analyte          |           |           | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   |
| 1,4-Dioxane      |           |           | 1.00     | 1.13   |           | ug/L  | - | 113  | 40 - 140 |
|                  | LCS       | LCS       |          |        |           |       |   |      |          |
| Isotope Dilution | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |
| 1,4-Dioxane-d8   | 32        |           | 15 - 110 |        |           |       |   |      |          |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

## Method: 310.13 - Identification of Routine Petroleum Products

Lab Sample ID: MB 480-474282/1-A

Matrix: Water

Analysis Batch: 474310

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474282

| Analyte              | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND        |              | 0.20 | 0.20 | mg/L |   | 05/23/19 06:40 | 05/23/19 12:54 | 1       |
| Kerosene             | ND        |              | 0.50 | 0.50 | mg/L |   | 05/23/19 06:40 | 05/23/19 12:54 | 1       |
| Motor Oil            | ND        |              | 1.0  | 1.0  | mg/L |   | 05/23/19 06:40 | 05/23/19 12:54 | 1       |
| Fuel Oil #2          | ND        |              | 0.50 | 0.50 | mg/L |   | 05/23/19 06:40 | 05/23/19 12:54 | 1       |
| Fuel Oil #4          | ND        |              | 0.50 | 0.50 | mg/L |   | 05/23/19 06:40 | 05/23/19 12:54 | 1       |
| Fuel Oil #6          | ND        |              | 0.50 | 0.50 | mg/L |   | 05/23/19 06:40 | 05/23/19 12:54 | 1       |
| Unknown Hydrocarbons | ND        |              | 0.20 | 0.20 | mg/L |   | 05/23/19 06:40 | 05/23/19 12:54 | 1       |

Lab Sample ID: LCS 480-474282/2-A

Matrix: Water

Analysis Batch: 474310

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474282

| Analyte     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------|-------------|------------|---------------|------|---|------|--------------|
| Fuel Oil #2 | 1.50        | 1.78       |               | mg/L |   | 118  | 50 - 150     |

## Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-474461/1-A

Matrix: Water

Analysis Batch: 474539

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474461

| Analyte                | MB Result | MB Qualifier | RL       | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|--------------|----------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND        |              | 0.050    | 0.0092 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| 4,4'-DDE               | ND        |              | 0.050    | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| 4,4'-DDT               | ND        |              | 0.050    | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Aldrin                 | ND        |              | 0.050    | 0.0081 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| alpha-BHC              | ND        |              | 0.050    | 0.0077 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| cis-Chlordane          | ND        |              | 0.050    | 0.015  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| beta-BHC               | ND        |              | 0.050    | 0.025  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| delta-BHC              | ND        |              | 0.050    | 0.010  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Dieldrin               | ND        |              | 0.050    | 0.0098 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endosulfan I           | ND        |              | 0.050    | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endosulfan II          | ND        |              | 0.050    | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endosulfan sulfate     | ND        |              | 0.050    | 0.016  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endrin                 | ND        |              | 0.050    | 0.014  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endrin aldehyde        | ND        |              | 0.050    | 0.016  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endrin ketone          | ND        |              | 0.050    | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| gamma-BHC (Lindane)    | 0.0155    | J            | 0.050    | 0.0080 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| trans-Chlordane        | ND        |              | 0.050    | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Heptachlor             | ND        |              | 0.050    | 0.0085 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Heptachlor epoxide     | ND        |              | 0.050    | 0.0074 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Methoxychlor           | ND        |              | 0.050    | 0.014  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Toxaphene              | ND        |              | 0.50     | 0.12   | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Surrogate              | %Recovery | MB Qualifier | Limits   |        |      |   | Prepared       | Analyzed       | Dil Fac |
| DCB Decachlorobiphenyl | 50        |              | 20 - 120 |        |      |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Tetrachloro-m-xylene   | 85        |              | 44 - 120 |        |      |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |

Eurofins TestAmerica, Buffalo

## QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

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

Lab Sample ID: LCS 480-474461/2-A

Matrix: Water

Analysis Batch: 474539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474461

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|------|---|------|--------------|
| 4,4'-DDD            | 0.400       | 0.383      |               | ug/L |   | 96   | 64 - 129     |
| 4,4'-DDE            | 0.400       | 0.313      |               | ug/L |   | 78   | 50 - 120     |
| 4,4'-DDT            | 0.400       | 0.409      |               | ug/L |   | 102  | 59 - 120     |
| Aldrin              | 0.400       | 0.237      |               | ug/L |   | 59   | 40 - 125     |
| alpha-BHC           | 0.400       | 0.272      |               | ug/L |   | 68   | 52 - 125     |
| cis-Chlordane       | 0.400       | 0.312      |               | ug/L |   | 78   | 52 - 120     |
| beta-BHC            | 0.400       | 0.323      |               | ug/L |   | 81   | 51 - 120     |
| delta-BHC           | 0.400       | 0.346      |               | ug/L |   | 87   | 51 - 120     |
| Dieldrin            | 0.400       | 0.374      |               | ug/L |   | 93   | 66 - 128     |
| Endosulfan I        | 0.400       | 0.355      |               | ug/L |   | 89   | 57 - 120     |
| Endosulfan II       | 0.400       | 0.406      |               | ug/L |   | 102  | 66 - 131     |
| Endosulfan sulfate  | 0.400       | 0.387      |               | ug/L |   | 97   | 66 - 136     |
| Endrin              | 0.400       | 0.386      |               | ug/L |   | 96   | 65 - 135     |
| Endrin aldehyde     | 0.400       | 0.288      |               | ug/L |   | 72   | 61 - 134     |
| Endrin ketone       | 0.400       | 0.422      |               | ug/L |   | 106  | 71 - 133     |
| gamma-BHC (Lindane) | 0.400       | 0.293      |               | ug/L |   | 73   | 56 - 120     |
| trans-Chlordane     | 0.400       | 0.316      |               | ug/L |   | 79   | 54 - 120     |
| Heptachlor          | 0.400       | 0.316      |               | ug/L |   | 79   | 58 - 120     |
| Heptachlor epoxide  | 0.400       | 0.337      |               | ug/L |   | 84   | 65 - 125     |
| Methoxychlor        | 0.400       | 0.427      |               | ug/L |   | 107  | 50 - 150     |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| DCB Decachlorobiphenyl | 46            |               | 20 - 120 |
| Tetrachloro-m-xylene   | 66            |               | 44 - 120 |

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

Lab Sample ID: MB 480-475155/1-A

Matrix: Water

Analysis Batch: 475349

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475155

| Analyte  | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| PCB-1016 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1221 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1232 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1242 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1248 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1254 | ND        |              | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1260 | ND        |              | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1262 | ND        |              | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1268 | ND        |              | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 75           |              | 39 - 121 | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| DCB Decachlorobiphenyl | 58           |              | 19 - 120 | 05/29/19 15:43 | 05/30/19 14:33 | 1       |

## QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

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

Lab Sample ID: LCS 480-475155/2-A

Matrix: Water

Analysis Batch: 475349

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475155

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| PCB-1016 | 4.00        | 3.16       |               | ug/L |   | 79   | 62 - 130     |
| PCB-1260 | 4.00        | 2.73       |               | ug/L |   | 68   | 56 - 123     |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| Tetrachloro-m-xylene   | 62            |               | 39 - 121 |
| DCB Decachlorobiphenyl | 40            |               | 19 - 120 |

### Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-474194/1-A

Matrix: Water

Analysis Batch: 475832

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474194

| Analyte   | MB Result | MB Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND        |              | 0.20   | 0.060   | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Antimony  | ND        |              | 0.020  | 0.0068  | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Arsenic   | ND        |              | 0.015  | 0.0056  | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Barium    | ND        |              | 0.0020 | 0.00070 | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Beryllium | ND        |              | 0.0020 | 0.00030 | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Cadmium   | ND        |              | 0.0020 | 0.00050 | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Calcium   | ND        |              | 0.50   | 0.10    | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Chromium  | ND        |              | 0.0040 | 0.0010  | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Cobalt    | ND        |              | 0.0040 | 0.00063 | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Copper    | ND        |              | 0.010  | 0.0016  | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Iron      | 0.0748    |              | 0.050  | 0.019   | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Lead      | ND        |              | 0.010  | 0.0030  | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Magnesium | ND        |              | 0.20   | 0.043   | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Manganese | 0.00232   | J            | 0.0030 | 0.00040 | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Nickel    | ND        |              | 0.010  | 0.0013  | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Potassium | ND        |              | 0.50   | 0.10    | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Selenium  | ND        |              | 0.025  | 0.0087  | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Silver    | ND        |              | 0.0060 | 0.0017  | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Sodium    | ND        |              | 1.0    | 0.32    | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Thallium  | ND        |              | 0.020  | 0.010   | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Vanadium  | ND        |              | 0.0050 | 0.0015  | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |
| Zinc      | ND        |              | 0.010  | 0.0015  | mg/L |   | 05/22/19 14:03 | 06/01/19 13:41 | 1       |

Lab Sample ID: LCS 480-474194/2-A

Matrix: Water

Analysis Batch: 475832

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474194

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|-------------|------------|---------------|------|---|------|--------------|
| Aluminum  | 10.0        | 9.88       |               | mg/L |   | 99   | 80 - 120     |
| Antimony  | 0.200       | 0.217      |               | mg/L |   | 109  | 80 - 120     |
| Arsenic   | 0.200       | 0.200      |               | mg/L |   | 100  | 80 - 120     |
| Barium    | 0.200       | 0.199      |               | mg/L |   | 100  | 80 - 120     |
| Beryllium | 0.200       | 0.212      |               | mg/L |   | 106  | 80 - 120     |
| Cadmium   | 0.200       | 0.198      |               | mg/L |   | 99   | 80 - 120     |
| Calcium   | 10.0        | 9.63       |               | mg/L |   | 96   | 80 - 120     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-474194/2-A

Matrix: Water

Analysis Batch: 475832

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474194

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|-------------|------------|---------------|------|---|------|--------------|
| Chromium  | 0.200       | 0.199      |               | mg/L |   | 100  | 80 - 120     |
| Cobalt    | 0.200       | 0.186      |               | mg/L |   | 93   | 80 - 120     |
| Copper    | 0.200       | 0.187      |               | mg/L |   | 94   | 80 - 120     |
| Iron      | 10.0        | 9.61       |               | mg/L |   | 96   | 80 - 120     |
| Lead      | 0.200       | 0.183      |               | mg/L |   | 92   | 80 - 120     |
| Magnesium | 10.0        | 9.48       |               | mg/L |   | 95   | 80 - 120     |
| Manganese | 0.200       | 0.193      |               | mg/L |   | 97   | 80 - 120     |
| Nickel    | 0.200       | 0.193      |               | mg/L |   | 96   | 80 - 120     |
| Potassium | 10.0        | 9.65       |               | mg/L |   | 96   | 80 - 120     |
| Selenium  | 0.200       | 0.194      |               | mg/L |   | 97   | 80 - 120     |
| Silver    | 0.0500      | 0.0476     |               | mg/L |   | 95   | 80 - 120     |
| Sodium    | 10.0        | 9.56       |               | mg/L |   | 95   | 80 - 120     |
| Thallium  | 0.200       | 0.194      |               | mg/L |   | 97   | 80 - 120     |
| Vanadium  | 0.200       | 0.193      |               | mg/L |   | 96   | 80 - 120     |
| Zinc      | 0.200       | 0.194      |               | mg/L |   | 97   | 80 - 120     |

Lab Sample ID: MB 480-476364/1-A

Matrix: Water

Analysis Batch: 476729

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 476364

| Analyte | MB Result | MB Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|-------|-------|------|---|----------------|----------------|---------|
| Iron    | ND        |              | 0.050 | 0.019 | mg/L |   | 06/06/19 07:15 | 06/06/19 13:40 | 1       |

Lab Sample ID: LCS 480-476364/2-A

Matrix: Water

Analysis Batch: 476729

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476364

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Iron    | 10.0        | 9.97       |               | mg/L |   | 100  | 80 - 120     |

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-474480/1-A

Matrix: Water

Analysis Batch: 474669

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474480

| Analyte | MB Result | MB Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND        |              | 0.00020 | 0.00012 | mg/L |   | 05/24/19 11:13 | 05/24/19 14:32 | 1       |

Lab Sample ID: LCS 480-474480/2-A

Matrix: Water

Analysis Batch: 474669

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474480

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Mercury | 0.00667     | 0.00653    |               | mg/L |   | 98   | 80 - 120     |

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

## GC/MS VOA

### Analysis Batch: 597525

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 480-153849-1      | MW-06-GW               | Total/NA  | Water  | 8260C  |            |
| 480-153849-2      | MW-06-GW-DUP           | Total/NA  | Water  | 8260C  |            |
| 480-153849-3      | MW-1-02                | Total/NA  | Water  | 8260C  |            |
| MB 490-597525/7   | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 490-597525/3  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 490-597525/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

## GC/MS Semi VOA

### Prep Batch: 474281

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-153849-1        | MW-06-GW               | Total/NA  | Water  | 3510C  |            |
| 480-153849-2        | MW-06-GW-DUP           | Total/NA  | Water  | 3510C  |            |
| 480-153849-3        | MW-1-02                | Total/NA  | Water  | 3510C  |            |
| MB 480-474281/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 480-474281/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 480-474281/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 474465

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153849-1       | MW-06-GW           | Total/NA  | Water  | 3510C  |            |
| 480-153849-2       | MW-06-GW-DUP       | Total/NA  | Water  | 3510C  |            |
| 480-153849-3       | MW-1-02            | Total/NA  | Water  | 3510C  |            |
| MB 480-474465/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-474465/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 474982

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-153849-1        | MW-06-GW               | Total/NA  | Water  | 8270D  | 474281     |
| 480-153849-2        | MW-06-GW-DUP           | Total/NA  | Water  | 8270D  | 474281     |
| 480-153849-3        | MW-1-02                | Total/NA  | Water  | 8270D  | 474281     |
| MB 480-474281/1-A   | Method Blank           | Total/NA  | Water  | 8270D  | 474281     |
| LCS 480-474281/2-A  | Lab Control Sample     | Total/NA  | Water  | 8270D  | 474281     |
| LCSD 480-474281/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8270D  | 474281     |

### Analysis Batch: 475143

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method       | Prep Batch |
|--------------------|--------------------|-----------|--------|--------------|------------|
| 480-153849-3       | MW-1-02            | Total/NA  | Water  | 8270D SIM ID | 474465     |
| MB 480-474465/1-A  | Method Blank       | Total/NA  | Water  | 8270D SIM ID | 474465     |
| LCS 480-474465/2-A | Lab Control Sample | Total/NA  | Water  | 8270D SIM ID | 474465     |

### Analysis Batch: 475442

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 480-153849-1  | MW-06-GW         | Total/NA  | Water  | 8270D SIM ID | 474465     |
| 480-153849-2  | MW-06-GW-DUP     | Total/NA  | Water  | 8270D SIM ID | 474465     |

## GC Semi VOA

### Prep Batch: 474282

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 480-153849-1  | MW-06-GW         | Total/NA  | Water  | 3510C  |            |
| 480-153849-2  | MW-06-GW-DUP     | Total/NA  | Water  | 3510C  |            |

Eurofins TestAmerica, Buffalo

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

## GC Semi VOA (Continued)

### Prep Batch: 474282 (Continued)

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153849-3       | MW-1-02            | Total/NA  | Water  | 3510C  |            |
| MB 480-474282/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-474282/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 474310

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| MB 480-474282/1-A  | Method Blank       | Total/NA  | Water  | 310.13 | 474282     |
| LCS 480-474282/2-A | Lab Control Sample | Total/NA  | Water  | 310.13 | 474282     |

### Prep Batch: 474461

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153849-1       | MW-06-GW           | Total/NA  | Water  | 3510C  |            |
| 480-153849-2       | MW-06-GW-DUP       | Total/NA  | Water  | 3510C  |            |
| 480-153849-3       | MW-1-02            | Total/NA  | Water  | 3510C  |            |
| MB 480-474461/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-474461/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 474537

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 480-153849-1  | MW-06-GW         | Total/NA  | Water  | 310.13 | 474282     |
| 480-153849-2  | MW-06-GW-DUP     | Total/NA  | Water  | 310.13 | 474282     |
| 480-153849-3  | MW-1-02          | Total/NA  | Water  | 310.13 | 474282     |

### Analysis Batch: 474539

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153849-1       | MW-06-GW           | Total/NA  | Water  | 8081B  | 474461     |
| 480-153849-2       | MW-06-GW-DUP       | Total/NA  | Water  | 8081B  | 474461     |
| 480-153849-3       | MW-1-02            | Total/NA  | Water  | 8081B  | 474461     |
| MB 480-474461/1-A  | Method Blank       | Total/NA  | Water  | 8081B  | 474461     |
| LCS 480-474461/2-A | Lab Control Sample | Total/NA  | Water  | 8081B  | 474461     |

### Prep Batch: 475155

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153849-1       | MW-06-GW           | Total/NA  | Water  | 3510C  |            |
| 480-153849-2       | MW-06-GW-DUP       | Total/NA  | Water  | 3510C  |            |
| 480-153849-3       | MW-1-02            | Total/NA  | Water  | 3510C  |            |
| MB 480-475155/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-475155/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 475349

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153849-1       | MW-06-GW           | Total/NA  | Water  | 8082A  | 475155     |
| 480-153849-2       | MW-06-GW-DUP       | Total/NA  | Water  | 8082A  | 475155     |
| 480-153849-3       | MW-1-02            | Total/NA  | Water  | 8082A  | 475155     |
| MB 480-475155/1-A  | Method Blank       | Total/NA  | Water  | 8082A  | 475155     |
| LCS 480-475155/2-A | Lab Control Sample | Total/NA  | Water  | 8082A  | 475155     |



# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

## Metals

### Prep Batch: 474194

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153849-1       | MW-06-GW           | Total/NA  | Water  | 3005A  |            |
| 480-153849-2       | MW-06-GW-DUP       | Total/NA  | Water  | 3005A  |            |
| 480-153849-3       | MW-1-02            | Total/NA  | Water  | 3005A  |            |
| MB 480-474194/1-A  | Method Blank       | Total/NA  | Water  | 3005A  |            |
| LCS 480-474194/2-A | Lab Control Sample | Total/NA  | Water  | 3005A  |            |

### Prep Batch: 474480

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153849-1       | MW-06-GW           | Total/NA  | Water  | 7470A  |            |
| 480-153849-2       | MW-06-GW-DUP       | Total/NA  | Water  | 7470A  |            |
| 480-153849-3       | MW-1-02            | Total/NA  | Water  | 7470A  |            |
| MB 480-474480/1-A  | Method Blank       | Total/NA  | Water  | 7470A  |            |
| LCS 480-474480/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  |            |

### Analysis Batch: 474669

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153849-1       | MW-06-GW           | Total/NA  | Water  | 7470A  | 474480     |
| 480-153849-2       | MW-06-GW-DUP       | Total/NA  | Water  | 7470A  | 474480     |
| 480-153849-3       | MW-1-02            | Total/NA  | Water  | 7470A  | 474480     |
| MB 480-474480/1-A  | Method Blank       | Total/NA  | Water  | 7470A  | 474480     |
| LCS 480-474480/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  | 474480     |

### Analysis Batch: 475832

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153849-1       | MW-06-GW           | Total/NA  | Water  | 6010C  | 474194     |
| 480-153849-2       | MW-06-GW-DUP       | Total/NA  | Water  | 6010C  | 474194     |
| 480-153849-3       | MW-1-02            | Total/NA  | Water  | 6010C  | 474194     |
| MB 480-474194/1-A  | Method Blank       | Total/NA  | Water  | 6010C  | 474194     |
| LCS 480-474194/2-A | Lab Control Sample | Total/NA  | Water  | 6010C  | 474194     |

### Prep Batch: 476364

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153849-1       | MW-06-GW           | Total/NA  | Water  | 3005A  |            |
| 480-153849-2       | MW-06-GW-DUP       | Total/NA  | Water  | 3005A  |            |
| MB 480-476364/1-A  | Method Blank       | Total/NA  | Water  | 3005A  |            |
| LCS 480-476364/2-A | Lab Control Sample | Total/NA  | Water  | 3005A  |            |

### Analysis Batch: 476729

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153849-1       | MW-06-GW           | Total/NA  | Water  | 6010C  | 476364     |
| 480-153849-2       | MW-06-GW-DUP       | Total/NA  | Water  | 6010C  | 476364     |
| MB 480-476364/1-A  | Method Blank       | Total/NA  | Water  | 6010C  | 476364     |
| LCS 480-476364/2-A | Lab Control Sample | Total/NA  | Water  | 6010C  | 476364     |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

**Client Sample ID: MW-06-GW**

**Lab Sample ID: 480-153849-1**

**Date Collected: 05/20/19 12:40**

**Matrix: Water**

**Date Received: 05/20/19 16:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 597525       | 05/24/19 18:54       | AK1     | TAL NSH |
| Total/NA  | Prep       | 3510C        |     |                 | 474281       | 05/23/19 06:26       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 474982       | 05/29/19 03:53       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474465       | 05/23/19 15:07       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 1               | 475442       | 05/30/19 20:15       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474282       | 05/23/19 06:40       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 20              | 474537       | 05/24/19 08:25       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474461       | 05/23/19 15:00       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 474539       | 05/24/19 12:27       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475155       | 05/29/19 15:43       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 475349       | 05/30/19 15:35       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 476364       | 06/06/19 07:15       | VEG     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 476729       | 06/06/19 15:11       | LMH     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 474194       | 05/22/19 14:03       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 475832       | 06/01/19 15:40       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 474480       | 05/24/19 11:13       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 474669       | 05/24/19 14:35       | BMB     | TAL BUF |

**Client Sample ID: MW-06-GW-DUP**

**Lab Sample ID: 480-153849-2**

**Date Collected: 05/20/19 12:40**

**Matrix: Water**

**Date Received: 05/20/19 16:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 597525       | 05/24/19 19:21       | AK1     | TAL NSH |
| Total/NA  | Prep       | 3510C        |     |                 | 474281       | 05/23/19 06:26       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 474982       | 05/29/19 04:21       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474465       | 05/23/19 15:07       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 1               | 475442       | 05/30/19 20:39       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474282       | 05/23/19 07:24       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 10              | 474537       | 05/24/19 09:01       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474461       | 05/23/19 15:00       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 474539       | 05/24/19 12:47       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475155       | 05/29/19 15:43       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 475349       | 05/30/19 15:48       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 476364       | 06/06/19 07:15       | VEG     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 476729       | 06/06/19 15:15       | LMH     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 474194       | 05/22/19 14:03       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 475832       | 06/01/19 15:44       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 474480       | 05/24/19 11:13       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 474669       | 05/24/19 14:37       | BMB     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

**Client Sample ID: MW-1-02**

**Lab Sample ID: 480-153849-3**

**Date Collected: 05/20/19 14:45**

**Matrix: Water**

**Date Received: 05/20/19 16:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 597525       | 05/24/19 21:33       | AK1     | TAL NSH |
| Total/NA  | Prep       | 3510C        |     |                 | 474281       | 05/23/19 06:26       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 474982       | 05/29/19 04:49       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474465       | 05/23/19 15:07       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 20              | 475143       | 05/29/19 22:24       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474282       | 05/23/19 07:24       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 20              | 474537       | 05/24/19 09:37       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474461       | 05/23/19 15:00       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 474539       | 05/24/19 13:06       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475155       | 05/29/19 15:43       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 475349       | 05/30/19 16:00       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 474194       | 05/22/19 14:03       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 475832       | 06/01/19 15:48       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 474480       | 05/24/19 11:13       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 474669       | 05/24/19 14:41       | BMB     | TAL BUF |

## Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

# Accreditation/Certification Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

## Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|-----------|---------|------------|-----------------------|-----------------|
| New York  | NELAP   | 2          | 10026                 | 03-31-20        |

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              |
|-----------------|-------------|--------|----------------------|
| 310.13          | 3510C       | Water  | Fuel Oil #2          |
| 310.13          | 3510C       | Water  | Fuel Oil #4          |
| 310.13          | 3510C       | Water  | Fuel Oil #6          |
| 310.13          | 3510C       | Water  | Gasoline             |
| 310.13          | 3510C       | Water  | Kerosene             |
| 310.13          | 3510C       | Water  | Motor Oil            |
| 310.13          | 3510C       | Water  | Unknown Hydrocarbons |

## Laboratory: Eurofins TestAmerica, Nashville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority              | Program       | EPA Region | Identification Number | Expiration Date |
|------------------------|---------------|------------|-----------------------|-----------------|
| A2LA                   | ISO/IEC 17025 |            | 0453.07               | 12-31-19        |
| Alaska (UST)           | State Program | 10         | UST-087               | 06-30-19        |
| Arizona                | State Program | 9          | AZ0473                | 05-05-20        |
| Arkansas DEQ           | State Program | 6          | 88-0737               | 04-25-20        |
| California             | State Program | 9          | 2938                  | 06-30-19        |
| Connecticut            | State Program | 1          | PH-0220               | 12-31-19        |
| Florida                | NELAP         | 4          | E87358                | 06-30-19        |
| Georgia                | State Program | 4          | NA: NELAP & A2LA      | 12-31-19        |
| Illinois               | NELAP         | 5          | 200010                | 12-09-19        |
| Iowa                   | State Program | 7          | 131                   | 04-01-20        |
| Kansas                 | NELAP         | 7          | E-10229               | 10-31-19        |
| Kentucky (UST)         | State Program | 4          | 19                    | 06-30-19        |
| Kentucky (WW)          | State Program | 4          | 90038                 | 12-31-19        |
| Louisiana              | NELAP         | 6          | 30613                 | 06-30-19        |
| Maine                  | State Program | 1          | TN00032               | 11-03-19        |
| Maryland               | State Program | 3          | 316                   | 03-31-20        |
| Massachusetts          | State Program | 1          | M-TN032               | 06-30-19        |
| Minnesota              | NELAP         | 5          | 047-999-345           | 12-31-19        |
| Mississippi            | State Program | 4          | N/A                   | 06-30-19        |
| Nevada                 | State Program | 9          | TN00032               | 07-31-19        |
| New Hampshire          | NELAP         | 1          | 2963                  | 10-09-19        |
| New Jersey             | NELAP         | 2          | TN965                 | 06-30-19        |
| New York               | NELAP         | 2          | 11342                 | 03-31-20        |
| North Carolina (WW/SW) | State Program | 4          | 387                   | 12-31-19        |
| North Dakota           | State Program | 8          | R-146                 | 06-30-19        |
| Oklahoma               | State Program | 6          | 9412                  | 08-31-19        |
| Oregon                 | NELAP         | 10         | TN200001              | 04-26-19 *      |
| Pennsylvania           | NELAP         | 3          | 68-00585              | 07-31-19        |
| Rhode Island           | State Program | 1          | LAO00268              | 12-30-19        |
| South Carolina         | State Program | 4          | 84009 (001)           | 02-28-19 *      |
| Tennessee              | State Program | 4          | 2008                  | 02-23-20        |
| Texas                  | NELAP         | 6          | T104704077            | 08-31-19        |
| USDA                   | Federal       |            | P330-13-00306         | 04-10-20        |
| Utah                   | NELAP         | 8          | TN00032               | 07-31-19        |

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Buffalo

## Accreditation/Certification Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153849-1

### Laboratory: Eurofins TestAmerica, Nashville (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority         | Program       | EPA Region | Identification Number | Expiration Date |
|-------------------|---------------|------------|-----------------------|-----------------|
| Virginia          | NELAP         | 3          | 460152                | 06-14-19        |
| Washington        | State Program | 10         | C789                  | 07-19-19        |
| West Virginia DEP | State Program | 3          | 219                   | 02-28-20        |
| Wisconsin         | State Program | 5          | 998020430             | 08-31-19        |
| Wyoming (UST)     | A2LA          | 8          | 453.07                | 12-31-19        |

## Method Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153849-1

| Method       | Method Description                                            | Protocol | Laboratory |
|--------------|---------------------------------------------------------------|----------|------------|
| 8260C        | Volatile Organic Compounds by GC/MS                           | SW846    | TAL NSH    |
| 8270D        | Semivolatile Organic Compounds (GC/MS)                        | SW846    | TAL BUF    |
| 8270D SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | TAL BUF    |
| 310.13       | Identification of Routine Petroleum Products                  | NYASP    | TAL BUF    |
| 8081B        | Organochlorine Pesticides (GC)                                | SW846    | TAL BUF    |
| 8082A        | Polychlorinated Biphenyls (PCBs) by Gas Chromatography        | SW846    | TAL BUF    |
| 6010C        | Metals (ICP)                                                  | SW846    | TAL BUF    |
| 7470A        | Mercury (CVAA)                                                | SW846    | TAL BUF    |
| 3005A        | Preparation, Total Metals                                     | SW846    | TAL BUF    |
| 3510C        | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | TAL BUF    |
| 5030C        | Purge and Trap                                                | SW846    | TAL NSH    |
| 7470A        | Preparation, Mercury                                          | SW846    | TAL BUF    |

### Protocol References:

NYASP = New York Analytical Services Protocol

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

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

## Sample Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153849-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 480-153849-1  | MW-06-GW         | Water  | 05/20/19 12:40 | 05/20/19 16:00 |          |
| 480-153849-2  | MW-06-GW-DUP     | Water  | 05/20/19 12:40 | 05/20/19 16:00 |          |
| 480-153849-3  | MW-1-02          | Water  | 05/20/19 14:45 | 05/20/19 16:00 |          |



Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:[illegible]

3.6°C, 0.4°C, 4°C 3 coolers





## COOLER RECEIPT FORM

Cooler Received/Opened On 5/23/2019 @ 0950

Time Samples Removed From Cooler 1205 Time Samples Placed In Storage 1210 (2 Hour Window)

1. Tracking # 8180 (last 4 digits, FedEx) Courier: FedEx  
IR Gun ID 17960357 pH Strip Lot NA Chlorine Strip Lot NA

2. Temperature of rep. sample or temp blank when opened: 4.7 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen?

YES NO NA

4. Were custody seals on outside of cooler?

YES...NO...NA

If yes, how many and where:

1 front

5. Were the seals intact, signed, and dated correctly?

YES...NO...NA

6. Were custody papers inside cooler?

YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) GH

7. Were custody seals on containers: YES NO and Intact

YES...NO...NA

Were these signed and dated correctly?

YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)?

YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?

YES...NO...NA

12. Did all container labels and tags agree with custody papers?

YES...NO...NA

13a. Were VOA vials received?

YES...NO...NA

b. Was there any observable headspace present in any VOA vial?

YES...NO...NA



Larger than this.

14. Was there a Trip Blank in this cooler? YES NO NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) GH

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level?

YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used

YES...NO...NA

16. Was residual chlorine present?

YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) GH

17. Were custody papers properly filled out (ink, signed, etc)?

YES...NO...NA

18. Did you sign the custody papers in the appropriate place?

YES...NO...NA

19. Were correct containers used for the analysis requested?

YES...NO...NA

20. Was sufficient amount of sample sent in each container?

YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) GH

I certify that I attached a label with the unique LIMS number to each container (initial) GH

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES NO # \_\_\_\_\_



## COOLER RECEIPT FORM



480-153849 Chain of Custody

Cooler Received/Opened On 5/23/2019 @ 0950

Time Samples Removed From Cooler 1205 Time Samples Placed In Storage 1210 (2 Hour Window)

1. Tracking # 8120 (last 4 digits, FedEx) Courier: FedEx  
IR Gun ID 17960357 pH Strip Lot NA Chlorine Strip Lot NA

2. Temperature of rep. sample or temp blank when opened: 4.7 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES NO...NA

6. Were custody papers inside cooler? YES NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) GH

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES NO...NA

12. Did all container labels and tags agree with custody papers? YES NO...NA

13a. Were VOA vials received? YES NO...NA

b. Was there any observable headspace present in any VOA vial? YES NO...NA



Larger than this.

14. Was there a Trip Blank in this cooler? YES NO...NA If multiple coolers, sequence # 64

I certify that I unloaded the cooler and answered questions 7-14 (initial) GH

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) GH

17. Were custody papers properly filled out (ink, signed, etc)? YES NO...NA

18. Did you sign the custody papers in the appropriate place? YES NO...NA

19. Were correct containers used for the analysis requested? YES NO...NA

20. Was sufficient amount of sample sent in each container? YES NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) GH

I certify that I attached a label with the unique LIMS number to each container (initial) GH

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES NO...#

# Chain of Custody Record

Loc: 480  
**153849**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |                                                                                                                                                                                       |                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>Client Information (Sub Contract Lab)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             | Lab PM: Johnson, Oriette S                                                                                                                                                            |                              |
| Client Contact: Shipping/Receiving                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             | Phone: Oriette, Johnson@testamericainc.com                                                                                                                                            |                              |
| Company: TestAmerica Laboratories, Inc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             | Page: 1 of 1                                                                                                                                                                          |                              |
| Address: 2960 Foster Creighton Drive, Nashville, TN, 37204                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             | Job #: 480-153849-1                                                                                                                                                                   |                              |
| Phone: 615-726-0177(Tel) 615-726-3404(Fax)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             | Preservation Codes:                                                                                                                                                                   |                              |
| Email:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             | A - HCL<br>B - NaOH<br>C - Zn Acetate<br>D - Nitric Acid<br>E - NaHSO4<br>F - MeOH<br>G - Anchlor<br>H - Ascorbic Acid<br>I - Ice<br>J - DI Water<br>K - EDTA<br>L - EDA<br>Other:    |                              |
| Project Name: Vibratouch #915165                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             | M - Hexane<br>N - None<br>O - AsNaO2<br>P - Na2O4S<br>Q - Na2SO3<br>R - Na2SO3<br>S - H2SO4<br>T - TSP Dodecalhydrate<br>U - Acetone<br>V - MCAA<br>W - pH 4-5<br>Z - other (specify) |                              |
| Site:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             | Total Number of Containers: 3<br>Special Instructions/Note:                                                                                                                           |                              |
| <b>Analysis Requested</b><br>Due Date Requested: 5/31/2019<br>TAT Requested (days):<br>PO #: WO #:<br>Project #: 48010659<br>SOW#:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |                                                                                                                                                                                       |                              |
| Sample ID (Lab ID)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Sample Date | Sample Time                                                                                                                                                                           | Sample Type (C=Comp, G=Grab) |
| MW-06-GW (480-153849-1)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5/20/19     | 12:40 Eastern                                                                                                                                                                         | Water                        |
| MW-06-GW-DUP (480-153849-2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5/20/19     | 12:40 Eastern                                                                                                                                                                         | Water                        |
| MW-1-02 (480-153849-3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5/20/19     | 14:45 Eastern                                                                                                                                                                         | Water                        |
| Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc. |             |                                                                                                                                                                                       |                              |
| <b>Possible Hazard Identification</b><br>Unconfirmed<br>Deliverable Requested: I, II, III, IV, Other (specify)<br>Primary Deliverable Rank: 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |                                                                                                                                                                                       |                              |
| Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)<br><input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |                                                                                                                                                                                       |                              |
| Special Instructions/QC Requirements:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |                                                                                                                                                                                       |                              |
| Empty Kit Relinquished by: Date: 5-22-19 1615<br>Relinquished by: Company: TestAmerica<br>Relinquished by: Company: TestAmerica<br>Relinquished by: Company: TestAmerica                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |                                                                                                                                                                                       |                              |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Custody Seal No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |                                                                                                                                                                                       |                              |

## Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-153849-1

**Login Number: 153849**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Maddux, Ann**

| 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   |         |
| Samples received within 48 hours of sampling.                                    | True   |         |
| Samples requiring field filtration have been filtered in the field.              | True   |         |
| Chlorine Residual checked.                                                       | N/A    |         |

# Isotope Dilution Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153849-1

**Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID   | DXE      |  |  |  |  |  |
|--------------------|--------------------|----------|--|--|--|--|--|
|                    |                    | (15-110) |  |  |  |  |  |
| 480-153849-1       | MW-06-GW           | 25       |  |  |  |  |  |
| 480-153849-2       | MW-06-GW-DUP       | 24       |  |  |  |  |  |
| 480-153849-3       | MW-1-02            | 26       |  |  |  |  |  |
| LCS 480-474465/2-A | Lab Control Sample | 32       |  |  |  |  |  |
| MB 480-474465/1-A  | Method Blank       | 32       |  |  |  |  |  |

### Surrogate Legend

DXE = 1,4-Dioxane-d8



## ANALYTICAL REPORT

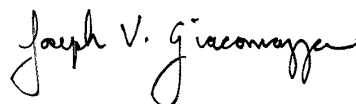
Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-153914-1  
Client Project/Site: Vibratex #915165

For:

New York State D.E.C.  
270 Michigan Avenue  
Buffalo, New York 14203

Attn: Mr. Maurice Moore



Authorized for release by:  
6/10/2019 11:34:39 AM

Joe Giacomazza, Project Management Assistant II  
[joe.giacomazza@testamericainc.com](mailto:joe.giacomazza@testamericainc.com)

Designee for

Orlette Johnson, Senior Project Manager  
(484)685-0864  
[orlette.johnson@testamericainc.com](mailto:orlette.johnson@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

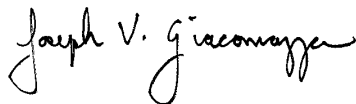
*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail 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.*

|    |
|----|
| 1  |
| 2  |
| 3  |
| 4  |
| 5  |
| 6  |
| 7  |
| 8  |
| 9  |
| 10 |
| 11 |
| 12 |
| 13 |
| 14 |
| 15 |
| 16 |

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



---

Joe Giacomazza  
Project Management Assistant II  
6/10/2019 11:34:39 AM



# Table of Contents

|                                    |    |
|------------------------------------|----|
| Cover Page . . . . .               | 1  |
| Table of Contents . . . . .        | 3  |
| Definitions . . . . .              | 4  |
| Case Narrative . . . . .           | 5  |
| Detection Summary . . . . .        | 6  |
| Client Sample Results . . . . .    | 8  |
| Surrogate Summary . . . . .        | 25 |
| QC Sample Results . . . . .        | 27 |
| QC Association . . . . .           | 48 |
| Chronicle . . . . .                | 52 |
| Certification Summary . . . . .    | 54 |
| Method Summary . . . . .           | 56 |
| Sample Summary . . . . .           | 57 |
| Chain of Custody . . . . .         | 58 |
| Receipt Checklists . . . . .       | 61 |
| Isotope Dilution Summary . . . . . | 62 |



## Definitions/Glossary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

### Qualifiers

#### GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| F2        | MS/MSD RPD exceeds control limits                                                                              |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

#### GC/MS Semi VOA

| Qualifier | Qualifier Description              |
|-----------|------------------------------------|
| E         | Result exceeded calibration range. |

#### 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. |

#### Metals

| Qualifier | Qualifier Description                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| B         | Compound was found in the blank and sample.                                                                                                               |
| F1        | MS and/or MSD Recovery is outside acceptance limits.                                                                                                      |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.                                            |

### Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| □              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| 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)                                                                             |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| PQL            | Practical Quantitation Limit                                                                                |
| 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)                                                                       |

# Case Narrative

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153914-1

## Job ID: 480-153914-1

### Laboratory: Eurofins TestAmerica, Buffalo

#### Narrative

#### Job Narrative 480-153914-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/21/2019 2:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6° C.

#### GC/MS VOA

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

#### GC/MS Semi VOA

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: MW-02-GW (480-153914-1) and MW-2-02-GW (480-153914-2). Elevated reporting limits (RLs) are provided.

Method(s) 8270D SIM ID: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-02-GW (480-153914-1). Elevated reporting limits (RLs) are provided.

Method(s) 8270D SIM ID: The 1,4-Dioxane result reported for sample MW-02-GW (480-153914-1) 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.

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: The following sample was diluted due to the nature of the sample matrix: MW-2-02-GW (480-153914-2). Elevated reporting limits (RLs) are provided.

Method(s) 310.13: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-2-02-GW (480-153914-2). Elevated reporting limits (RLs) are provided.

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

#### Metals

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

#### Organic Prep

Method(s) 3510C: The following samples required a Florisil clean-up, via 3620C, to reduce matrix interferences: MW-2-02-GW (480-153914-2), LMW-01-GW (480-153914-3[MS]) and LMW-01-GW (480-153914-3[MSD]).

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

#### VOA Prep

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

# Detection Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

Client Sample ID: MW-02-GW

Lab Sample ID: 480-153914-1

| Analyte                  | Result | Qualifier | RL     | MDL     | Unit | Dil | Fac | D | Method       | Prep Type |
|--------------------------|--------|-----------|--------|---------|------|-----|-----|---|--------------|-----------|
| 1,1-Dichloroethane       | 20     |           | 1.0    | 0.24    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| Benzene                  | 0.46   | J         | 1.0    | 0.20    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| Chloroethane             | 10     |           | 1.0    | 0.36    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| cis-1,2-Dichloroethene   | 17     |           | 1.0    | 0.21    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| trans-1,2-Dichloroethene | 0.47   | J         | 1.0    | 0.23    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| Trichloroethene          | 2.5    |           | 1.0    | 0.20    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| Vinyl chloride           | 7.5    |           | 1.0    | 0.18    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| 1,4-Dioxane              | 26     | E         | 2.0    | 1.0     | ug/L | 10  |     |   | 8270D SIM ID | Total/NA  |
| Motor Oil                | 2.0    |           | 0.95   | 0.95    | mg/L | 1   |     |   | 310.13       | Total/NA  |
| Fuel Oil #2              | 1.8    |           | 0.48   | 0.48    | mg/L | 1   |     |   | 310.13       | Total/NA  |
| 4,4'-DDT                 | 0.020  | J         | 0.050  | 0.011   | ug/L | 1   |     |   | 8081B        | Total/NA  |
| Barium                   | 0.026  |           | 0.0020 | 0.00070 | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Calcium                  | 75.2   |           | 0.50   | 0.10    | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Iron                     | 0.39   |           | 0.050  | 0.019   | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Magnesium                | 8.5    |           | 0.20   | 0.043   | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Manganese                | 0.44   | B         | 0.0030 | 0.00040 | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Nickel                   | 0.0013 | J         | 0.010  | 0.0013  | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Potassium                | 2.4    |           | 0.50   | 0.10    | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Sodium                   | 12.3   |           | 1.0    | 0.32    | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Zinc                     | 0.014  |           | 0.010  | 0.0015  | mg/L | 1   |     |   | 6010C        | Total/NA  |

Client Sample ID: MW-2-02-GW

Lab Sample ID: 480-153914-2

| Analyte                | Result | Qualifier | RL     | MDL     | Unit | Dil | Fac | D | Method | Prep Type |
|------------------------|--------|-----------|--------|---------|------|-----|-----|---|--------|-----------|
| 1,1-Dichloroethane     | 1.3    |           | 1.0    | 0.24    | ug/L | 1   |     |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene | 0.38   | J         | 1.0    | 0.21    | ug/L | 1   |     |   | 8260C  | Total/NA  |
| Motor Oil              | 120    |           | 20     | 20      | mg/L | 20  |     |   | 310.13 | Total/NA  |
| 4,4'-DDT               | 0.039  | J         | 0.10   | 0.022   | ug/L | 2   |     |   | 8081B  | Total/NA  |
| Barium                 | 0.060  |           | 0.0020 | 0.00070 | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Calcium                | 111    |           | 0.50   | 0.10    | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Iron                   | 0.086  |           | 0.050  | 0.019   | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Magnesium              | 13.5   |           | 0.20   | 0.043   | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Manganese              | 0.041  | B         | 0.0030 | 0.00040 | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Nickel                 | 0.0042 | J         | 0.010  | 0.0013  | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Potassium              | 7.8    |           | 0.50   | 0.10    | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Sodium                 | 47.1   |           | 1.0    | 0.32    | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Zinc                   | 0.0050 | J         | 0.010  | 0.0015  | mg/L | 1   |     |   | 6010C  | Total/NA  |

Client Sample ID: LMW-01-GW

Lab Sample ID: 480-153914-3

| Analyte                  | Result  | Qualifier | RL     | MDL     | Unit | Dil | Fac | D | Method | Prep Type |
|--------------------------|---------|-----------|--------|---------|------|-----|-----|---|--------|-----------|
| Chloroform               | 4.5     |           | 1.0    | 0.23    | ug/L | 1   |     |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene   | 2.1     |           | 1.0    | 0.21    | ug/L | 1   |     |   | 8260C  | Total/NA  |
| Tetrachloroethene        | 4.3     |           | 1.0    | 0.14    | ug/L | 1   |     |   | 8260C  | Total/NA  |
| trans-1,2-Dichloroethene | 0.30    | J         | 1.0    | 0.23    | ug/L | 1   |     |   | 8260C  | Total/NA  |
| Trichloroethene          | 5.7     |           | 1.0    | 0.20    | ug/L | 1   |     |   | 8260C  | Total/NA  |
| Arsenic                  | 0.012   | J         | 0.015  | 0.0056  | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Barium                   | 0.045   |           | 0.0020 | 0.00070 | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Calcium                  | 89.9    |           | 0.50   | 0.10    | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Cobalt                   | 0.00075 | J         | 0.0040 | 0.00063 | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Copper                   | 0.0060  | J         | 0.010  | 0.0016  | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Iron                     | 0.047   | J         | 0.050  | 0.019   | mg/L | 1   |     |   | 6010C  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

## Detection Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153914-1

### Client Sample ID: LMW-01-GW (Continued)

Lab Sample ID: 480-153914-3

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|--------|---------|------|---------|---|--------|-----------|
| Magnesium | 13.8   | F1        | 0.20   | 0.043   | mg/L | 1       |   | 6010C  | Total/NA  |
| Manganese | 0.025  | B         | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C  | Total/NA  |
| Nickel    | 0.046  |           | 0.010  | 0.0013  | mg/L | 1       |   | 6010C  | Total/NA  |
| Potassium | 3.2    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Sodium    | 108    |           | 1.0    | 0.32    | mg/L | 1       |   | 6010C  | Total/NA  |
| Zinc      | 0.0085 | J         | 0.010  | 0.0015  | mg/L | 1       |   | 6010C  | Total/NA  |

### Client Sample ID: MW-07-GW

Lab Sample ID: 480-153914-4

| Analyte                | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|--------|---------|------|---------|---|--------|-----------|
| 1,1,1-Trichloroethane  | 1.6    |           | 1.0    | 0.19    | ug/L | 1       |   | 8260C  | Total/NA  |
| 1,1-Dichloroethane     | 2.8    |           | 1.0    | 0.24    | ug/L | 1       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene | 16     |           | 1.0    | 0.21    | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene        | 5.0    |           | 1.0    | 0.20    | ug/L | 1       |   | 8260C  | Total/NA  |
| Barium                 | 0.037  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C  | Total/NA  |
| Calcium                | 70.9   |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Chromium               | 0.0040 |           | 0.0040 | 0.0010  | mg/L | 1       |   | 6010C  | Total/NA  |
| Copper                 | 0.0047 | J         | 0.010  | 0.0016  | mg/L | 1       |   | 6010C  | Total/NA  |
| Magnesium              | 6.6    |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C  | Total/NA  |
| Manganese              | 0.0018 | J B       | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C  | Total/NA  |
| Nickel                 | 0.027  |           | 0.010  | 0.0013  | mg/L | 1       |   | 6010C  | Total/NA  |
| Potassium              | 3.5    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Sodium                 | 23.2   |           | 1.0    | 0.32    | mg/L | 1       |   | 6010C  | Total/NA  |
| Zinc                   | 0.0069 | J         | 0.010  | 0.0015  | mg/L | 1       |   | 6010C  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153914-1

Client Sample ID: MW-02-GW

Lab Sample ID: 480-153914-1

Date Collected: 05/21/19 09:10

Matrix: Water

Date Received: 05/21/19 14:40

## 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 | 0.19  | ug/L |   |          | 05/24/19 19:47 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 19:47 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.15  | ug/L |   |          | 05/24/19 19:47 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 19:47 | 1       |
| 1,1-Dichloroethane                    | 20     |           | 1.0 | 0.24  | ug/L |   |          | 05/24/19 19:47 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 19:47 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 19:47 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 10  | 0.94  | ug/L |   |          | 05/24/19 19:47 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 19:47 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 19:47 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 19:47 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 19:47 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 19:47 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 50  | 2.6   | ug/L |   |          | 05/24/19 19:47 | 1       |
| 2-Hexanone                            | ND     |           | 10  | 1.3   | ug/L |   |          | 05/24/19 19:47 | 1       |
| t-Butyl alcohol                       | ND     |           | 10  | 3.9   | ug/L |   |          | 05/24/19 19:47 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 10  | 0.81  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Acetone                               | ND     |           | 25  | 2.7   | ug/L |   |          | 05/24/19 19:47 | 1       |
| Benzene                               | 0.46   | J         | 1.0 | 0.20  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.29  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.35  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Carbon disulfide                      | ND     |           | 1.0 | 0.22  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Chloroethane                          | 10     |           | 1.0 | 0.36  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Chloroform                            | ND     |           | 1.0 | 0.23  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.36  | ug/L |   |          | 05/24/19 19:47 | 1       |
| cis-1,2-Dichloroethene                | 17     |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Cyclohexane                           | ND     |           | 5.0 | 0.13  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 19:47 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.33  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Methyl acetate                        | ND     |           | 10  | 0.58  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Methylcyclohexane                     | ND     |           | 5.0 | 0.090 | ug/L |   |          | 05/24/19 19:47 | 1       |
| Methylene Chloride                    | ND     |           | 5.0 | 1.0   | ug/L |   |          | 05/24/19 19:47 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.14  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 19:47 | 1       |
| trans-1,2-Dichloroethene              | 0.47   | J         | 1.0 | 0.23  | ug/L |   |          | 05/24/19 19:47 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Trichloroethene                       | 2.5    |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Vinyl chloride                        | 7.5    |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Xylenes, Total                        | ND     |           | 3.0 | 0.58  | ug/L |   |          | 05/24/19 19:47 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 19:47 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.28  | ug/L |   |          | 05/24/19 19:47 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153914-1

Client Sample ID: MW-02-GW

Lab Sample ID: 480-153914-1

Date Collected: 05/21/19 09:10

Matrix: Water

Date Received: 05/21/19 14:40

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 70 - 130 |          | 05/24/19 19:47 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 70 - 130 |          | 05/24/19 19:47 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 70 - 130 |          | 05/24/19 19:47 | 1       |
| Dibromofluoromethane (Surr)  | 102       |           | 70 - 130 |          | 05/24/19 19:47 | 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      | 26        | E         | 2.0      | 1.0 | ug/L |   | 05/23/19 15:07 | 05/30/19 00:23 | 10      |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 25        |           | 15 - 110 |     |      |   | 05/23/19 15:07 | 05/30/19 00:23 | 10      |

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

| Analyte                       | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 25 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 25 | 3.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 25 | 2.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 25 | 2.5 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 50 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 25 | 2.2 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 25 | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 2-Chloronaphthalene           | ND     |           | 25 | 2.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 2-Chlorophenol                | ND     |           | 25 | 2.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 2-Methylnaphthalene           | ND     |           | 25 | 3.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 2-Methylphenol                | ND     |           | 25 | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 2-Nitroaniline                | ND     |           | 50 | 2.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 2-Nitrophenol                 | ND     |           | 25 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 25 | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 3-Nitroaniline                | ND     |           | 50 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 50 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 25 | 2.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 25 | 2.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 4-Chloroaniline               | ND     |           | 25 | 3.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 4-Methylphenol                | ND     |           | 50 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 4-Nitroaniline                | ND     |           | 50 | 1.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 4-Nitrophenol                 | ND     |           | 50 | 7.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Acenaphthene                  | ND     |           | 25 | 2.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Acenaphthylene                | ND     |           | 25 | 1.9 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Acetophenone                  | ND     |           | 25 | 2.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Anthracene                    | ND     |           | 25 | 1.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Atrazine                      | ND     |           | 25 | 2.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Benzaldehyde                  | ND     |           | 25 | 1.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Benzo(a)anthracene            | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Benzo(a)pyrene                | ND     |           | 25 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Benzo(b)fluoranthene          | ND     |           | 25 | 1.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Benzo(g,h,i)perylene          | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 25 | 3.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Biphenyl                      | ND     |           | 25 | 3.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 25 | 2.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

Client Sample ID: MW-02-GW

Lab Sample ID: 480-153914-1

Date Collected: 05/21/19 09:10

Matrix: Water

Date Received: 05/21/19 14:40

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

| Analyte                     | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| Bis(2-chloroethyl)ether     | ND     |           | 25 | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Bis(2-ethylhexyl) phthalate | ND     |           | 25 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Butyl benzyl phthalate      | ND     |           | 25 | 5.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Caprolactam                 | ND     |           | 25 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Carbazole                   | ND     |           | 25 | 1.5 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Chrysene                    | ND     |           | 25 | 1.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Dibenz(a,h)anthracene       | ND     |           | 25 | 2.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Dibenzofuran                | ND     |           | 50 | 2.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Diethyl phthalate           | ND     |           | 25 | 1.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Dimethyl phthalate          | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Di-n-butyl phthalate        | ND     |           | 25 | 1.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Di-n-octyl phthalate        | ND     |           | 25 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Fluoranthene                | ND     |           | 25 | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Fluorene                    | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Hexachlorobenzene           | ND     |           | 25 | 2.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Hexachlorobutadiene         | ND     |           | 25 | 3.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Hexachlorocyclopentadiene   | ND     |           | 25 | 3.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Hexachloroethane            | ND     |           | 25 | 3.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Indeno(1,2,3-cd)pyrene      | ND     |           | 25 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Isophorone                  | ND     |           | 25 | 2.2 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Naphthalene                 | ND     |           | 25 | 3.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Nitrobenzene                | ND     |           | 25 | 1.5 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| N-Nitrosodi-n-propylamine   | ND     |           | 25 | 2.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| N-Nitrosodiphenylamine      | ND     |           | 25 | 2.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Pentachlorophenol           | ND     |           | 50 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Phenanthrene                | ND     |           | 25 | 2.2 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Phenol                      | ND     |           | 25 | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Pyrene                      | ND     |           | 25 | 1.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:21 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 66        |           | 41 - 120 | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 2-Fluorobiphenyl     | 68        |           | 48 - 120 | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| 2-Fluorophenol       | 48        |           | 35 - 120 | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Nitrobenzene-d5      | 55        |           | 46 - 120 | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| Phenol-d5            | 33        |           | 22 - 120 | 05/24/19 15:55 | 05/30/19 01:21 | 5       |
| p-Terphenyl-d14      | 75        |           | 59 - 136 | 05/24/19 15:55 | 05/30/19 01:21 | 5       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.19 | 0.19 | mg/L |   | 05/23/19 07:24 | 05/23/19 17:43 | 1       |
| Kerosene             | ND     |           | 0.48 | 0.48 | mg/L |   | 05/23/19 07:24 | 05/23/19 17:43 | 1       |
| Motor Oil            | 2.0    |           | 0.95 | 0.95 | mg/L |   | 05/23/19 07:24 | 05/23/19 17:43 | 1       |
| Fuel Oil #2          | 1.8    |           | 0.48 | 0.48 | mg/L |   | 05/23/19 07:24 | 05/23/19 17:43 | 1       |
| Fuel Oil #4          | ND     |           | 0.48 | 0.48 | mg/L |   | 05/23/19 07:24 | 05/23/19 17:43 | 1       |
| Fuel Oil #6          | ND     |           | 0.48 | 0.48 | mg/L |   | 05/23/19 07:24 | 05/23/19 17:43 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.19 | 0.19 | mg/L |   | 05/23/19 07:24 | 05/23/19 17:43 | 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 |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

Client Sample ID: MW-02-GW

Lab Sample ID: 480-153914-1

Date Collected: 05/21/19 09:10

Matrix: Water

Date Received: 05/21/19 14:40

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

| Analyte             | Result | Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| 4,4'-DDT            | 0.020  | J         | 0.050 | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| delta-BHC           | ND     |           | 0.050 | 0.010  | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| Endrin aldehyde     | ND     |           | 0.050 | 0.016  | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| gamma-BHC (Lindane) | ND     |           | 0.050 | 0.0080 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| trans-Chlordane     | ND     |           | 0.050 | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| Heptachlor          | ND     |           | 0.050 | 0.0085 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| Heptachlor epoxide  | ND     |           | 0.050 | 0.0074 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| Methoxychlor        | ND     |           | 0.050 | 0.014  | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| Toxaphene           | ND     |           | 0.50  | 0.12   | ug/L |   | 05/23/19 15:00 | 05/24/19 13:26 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 39        |           | 20 - 120 | 05/23/19 15:00 | 05/24/19 13:26 | 1       |
| Tetrachloro-m-xylene   | 56        |           | 44 - 120 | 05/23/19 15:00 | 05/24/19 13:26 | 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 |   | 05/29/19 15:43 | 05/30/19 16:12 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:12 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:12 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:12 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:12 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:12 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:12 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:12 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:12 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 69        |           | 39 - 121 | 05/29/19 15:43 | 05/30/19 16:12 | 1       |
| DCB Decachlorobiphenyl | 49        |           | 19 - 120 | 05/29/19 15:43 | 05/30/19 16:12 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Barium    | 0.026  |           | 0.0020 | 0.00070 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Calcium   | 75.2   |           | 0.50   | 0.10    | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153914-1

Client Sample ID: MW-02-GW

Lab Sample ID: 480-153914-1

Date Collected: 05/21/19 09:10

Matrix: Water

Date Received: 05/21/19 14:40

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Iron      | 0.39   |           | 0.050  | 0.019   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Magnesium | 8.5    |           | 0.20   | 0.043   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Manganese | 0.44   | B         | 0.0030 | 0.00040 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Nickel    | 0.0013 | J         | 0.010  | 0.0013  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Potassium | 2.4    |           | 0.50   | 0.10    | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Sodium    | 12.3   |           | 1.0    | 0.32    | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |
| Zinc      | 0.014  |           | 0.010  | 0.0015  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:19 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 05/26/19 13:15 | 05/26/19 15:58 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

Client Sample ID: MW-2-02-GW

Lab Sample ID: 480-153914-2

Date Collected: 05/21/19 10:40

Matrix: Water

Date Received: 05/21/19 14:40

## 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 | 0.19  | ug/L |   |          | 05/24/19 20:14 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 20:14 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.15  | ug/L |   |          | 05/24/19 20:14 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 20:14 | 1       |
| 1,1-Dichloroethane                    | 1.3    |           | 1.0 | 0.24  | ug/L |   |          | 05/24/19 20:14 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 20:14 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 20:14 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 10  | 0.94  | ug/L |   |          | 05/24/19 20:14 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 20:14 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 20:14 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 20:14 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 20:14 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 20:14 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 50  | 2.6   | ug/L |   |          | 05/24/19 20:14 | 1       |
| 2-Hexanone                            | ND     |           | 10  | 1.3   | ug/L |   |          | 05/24/19 20:14 | 1       |
| t-Butyl alcohol                       | ND     |           | 10  | 3.9   | ug/L |   |          | 05/24/19 20:14 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 10  | 0.81  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Acetone                               | ND     |           | 25  | 2.7   | ug/L |   |          | 05/24/19 20:14 | 1       |
| Benzene                               | ND     |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.29  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.35  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Carbon disulfide                      | ND     |           | 1.0 | 0.22  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Chloroethane                          | ND     |           | 1.0 | 0.36  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Chloroform                            | ND     |           | 1.0 | 0.23  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.36  | ug/L |   |          | 05/24/19 20:14 | 1       |
| cis-1,2-Dichloroethene                | 0.38 J |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Cyclohexane                           | ND     |           | 5.0 | 0.13  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 20:14 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.33  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Methyl acetate                        | ND     |           | 10  | 0.58  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Methylcyclohexane                     | ND     |           | 5.0 | 0.090 | ug/L |   |          | 05/24/19 20:14 | 1       |
| Methylene Chloride                    | ND     |           | 5.0 | 1.0   | ug/L |   |          | 05/24/19 20:14 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.14  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 20:14 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.0 | 0.23  | ug/L |   |          | 05/24/19 20:14 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Trichloroethene                       | ND     |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Vinyl chloride                        | ND     |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Xylenes, Total                        | ND     |           | 3.0 | 0.58  | ug/L |   |          | 05/24/19 20:14 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 20:14 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.28  | ug/L |   |          | 05/24/19 20:14 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153914-1

Client Sample ID: MW-2-02-GW

Lab Sample ID: 480-153914-2

Date Collected: 05/21/19 10:40

Matrix: Water

Date Received: 05/21/19 14:40

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 96        |           | 70 - 130 |          | 05/24/19 20:14 | 1       |
| 4-Bromofluorobenzene (Surr)  | 102       |           | 70 - 130 |          | 05/24/19 20:14 | 1       |
| Toluene-d8 (Surr)            | 109       |           | 70 - 130 |          | 05/24/19 20:14 | 1       |
| Dibromofluoromethane (Surr)  | 100       |           | 70 - 130 |          | 05/24/19 20:14 | 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 |   | 05/23/19 15:07 | 05/30/19 22:14 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 30        |           | 15 - 110 |      |      |   | 05/23/19 15:07 | 05/30/19 22:14 | 1       |

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

| Analyte                       | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 25 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 25 | 3.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 25 | 2.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 25 | 2.5 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 50 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 25 | 2.2 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 25 | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 2-Chloronaphthalene           | ND     |           | 25 | 2.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 2-Chlorophenol                | ND     |           | 25 | 2.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 2-Methylnaphthalene           | ND     |           | 25 | 3.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 2-Methylphenol                | ND     |           | 25 | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 2-Nitroaniline                | ND     |           | 50 | 2.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 2-Nitrophenol                 | ND     |           | 25 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 25 | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 3-Nitroaniline                | ND     |           | 50 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 50 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 25 | 2.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 25 | 2.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 4-Chloroaniline               | ND     |           | 25 | 3.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 4-Methylphenol                | ND     |           | 50 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 4-Nitroaniline                | ND     |           | 50 | 1.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 4-Nitrophenol                 | ND     |           | 50 | 7.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Acenaphthene                  | ND     |           | 25 | 2.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Acenaphthylene                | ND     |           | 25 | 1.9 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Acetophenone                  | ND     |           | 25 | 2.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Anthracene                    | ND     |           | 25 | 1.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Atrazine                      | ND     |           | 25 | 2.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Benzaldehyde                  | ND     |           | 25 | 1.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Benzo(a)anthracene            | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Benzo(a)pyrene                | ND     |           | 25 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Benzo(b)fluoranthene          | ND     |           | 25 | 1.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Benzo(g,h,i)perylene          | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 25 | 3.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Biphenyl                      | ND     |           | 25 | 3.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 25 | 2.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

Client Sample ID: MW-2-02-GW

Lab Sample ID: 480-153914-2

Date Collected: 05/21/19 10:40

Matrix: Water

Date Received: 05/21/19 14:40

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

| Analyte                     | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| Bis(2-chloroethyl)ether     | ND     |           | 25 | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Bis(2-ethylhexyl) phthalate | ND     |           | 25 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Butyl benzyl phthalate      | ND     |           | 25 | 5.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Caprolactam                 | ND     |           | 25 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Carbazole                   | ND     |           | 25 | 1.5 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Chrysene                    | ND     |           | 25 | 1.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Dibenz(a,h)anthracene       | ND     |           | 25 | 2.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Dibenzofuran                | ND     |           | 50 | 2.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Diethyl phthalate           | ND     |           | 25 | 1.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Dimethyl phthalate          | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Di-n-butyl phthalate        | ND     |           | 25 | 1.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Di-n-octyl phthalate        | ND     |           | 25 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Fluoranthene                | ND     |           | 25 | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Fluorene                    | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Hexachlorobenzene           | ND     |           | 25 | 2.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Hexachlorobutadiene         | ND     |           | 25 | 3.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Hexachlorocyclopentadiene   | ND     |           | 25 | 3.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Hexachloroethane            | ND     |           | 25 | 3.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Indeno(1,2,3-cd)pyrene      | ND     |           | 25 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Isophorone                  | ND     |           | 25 | 2.2 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Naphthalene                 | ND     |           | 25 | 3.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Nitrobenzene                | ND     |           | 25 | 1.5 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| N-Nitrosodi-n-propylamine   | ND     |           | 25 | 2.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| N-Nitrosodiphenylamine      | ND     |           | 25 | 2.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Pentachlorophenol           | ND     |           | 50 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Phenanthrene                | ND     |           | 25 | 2.2 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Phenol                      | ND     |           | 25 | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Pyrene                      | ND     |           | 25 | 1.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 01:49 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 83        |           | 41 - 120 | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 2-Fluorobiphenyl     | 90        |           | 48 - 120 | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| 2-Fluorophenol       | 65        |           | 35 - 120 | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Nitrobenzene-d5      | 78        |           | 46 - 120 | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| Phenol-d5            | 43        |           | 22 - 120 | 05/24/19 15:55 | 05/30/19 01:49 | 5       |
| p-Terphenyl-d14      | 71        |           | 59 - 136 | 05/24/19 15:55 | 05/30/19 01:49 | 5       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 4.0 | 4.0 | mg/L |   | 05/23/19 07:24 | 05/24/19 10:13 | 20      |
| Kerosene             | ND     |           | 10  | 10  | mg/L |   | 05/23/19 07:24 | 05/24/19 10:13 | 20      |
| Motor Oil            | 120    |           | 20  | 20  | mg/L |   | 05/23/19 07:24 | 05/24/19 10:13 | 20      |
| Fuel Oil #2          | ND     |           | 10  | 10  | mg/L |   | 05/23/19 07:24 | 05/24/19 10:13 | 20      |
| Fuel Oil #4          | ND     |           | 10  | 10  | mg/L |   | 05/23/19 07:24 | 05/24/19 10:13 | 20      |
| Fuel Oil #6          | ND     |           | 10  | 10  | mg/L |   | 05/23/19 07:24 | 05/24/19 10:13 | 20      |
| Unknown Hydrocarbons | ND     |           | 4.0 | 4.0 | mg/L |   | 05/23/19 07:24 | 05/24/19 10:13 | 20      |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte  | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 4,4'-DDD | ND     |           | 0.10 | 0.018 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

Client Sample ID: MW-2-02-GW

Lab Sample ID: 480-153914-2

Date Collected: 05/21/19 10:40

Matrix: Water

Date Received: 05/21/19 14:40

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

| Analyte             | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 0.10 | 0.023 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| 4,4'-DDT            | 0.039  | J         | 0.10 | 0.022 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| Aldrin              | ND     |           | 0.10 | 0.016 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| alpha-BHC           | ND     |           | 0.10 | 0.015 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| cis-Chlordane       | ND     |           | 0.10 | 0.030 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| beta-BHC            | ND     |           | 0.10 | 0.050 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| delta-BHC           | ND     |           | 0.10 | 0.020 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| Dieldrin            | ND     |           | 0.10 | 0.020 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| Endosulfan I        | ND     |           | 0.10 | 0.022 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| Endosulfan II       | ND     |           | 0.10 | 0.024 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| Endosulfan sulfate  | ND     |           | 0.10 | 0.031 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| Endrin              | ND     |           | 0.10 | 0.028 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| Endrin aldehyde     | ND     |           | 0.10 | 0.033 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| Endrin ketone       | ND     |           | 0.10 | 0.024 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| gamma-BHC (Lindane) | ND     |           | 0.10 | 0.016 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| trans-Chlordane     | ND     |           | 0.10 | 0.022 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| Heptachlor          | ND     |           | 0.10 | 0.017 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| Heptachlor epoxide  | ND     |           | 0.10 | 0.015 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| Methoxychlor        | ND     |           | 0.10 | 0.028 | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| Toxaphene           | ND     |           | 1.0  | 0.24  | ug/L |   | 05/23/19 15:00 | 05/24/19 13:45 | 2       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 25        |           | 20 - 120 | 05/23/19 15:00 | 05/24/19 13:45 | 2       |
| Tetrachloro-m-xylene   | 62        |           | 44 - 120 | 05/23/19 15:00 | 05/24/19 13:45 | 2       |

## 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 |   | 05/29/19 15:43 | 05/30/19 16:25 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:25 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:25 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:25 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:25 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:25 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:25 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:25 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:25 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 58        |           | 39 - 121 | 05/29/19 15:43 | 05/30/19 16:25 | 1       |
| DCB Decachlorobiphenyl | 26        |           | 19 - 120 | 05/29/19 15:43 | 05/30/19 16:25 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Barium    | 0.060  |           | 0.0020 | 0.00070 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Calcium   | 111    |           | 0.50   | 0.10    | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153914-1

Client Sample ID: MW-2-02-GW

Lab Sample ID: 480-153914-2

Date Collected: 05/21/19 10:40

Matrix: Water

Date Received: 05/21/19 14:40

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Iron      | 0.086  |           | 0.050  | 0.019   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Magnesium | 13.5   |           | 0.20   | 0.043   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Manganese | 0.041  | B         | 0.0030 | 0.00040 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Nickel    | 0.0042 | J         | 0.010  | 0.0013  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Potassium | 7.8    |           | 0.50   | 0.10    | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Sodium    | 47.1   |           | 1.0    | 0.32    | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |
| Zinc      | 0.0050 | J         | 0.010  | 0.0015  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:23 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 05/26/19 13:15 | 05/26/19 16:00 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

Client Sample ID: LMW-01-GW

Lab Sample ID: 480-153914-3

Date Collected: 05/21/19 12:00

Matrix: Water

Date Received: 05/21/19 14:40

## 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 | 0.19  | ug/L |   |          | 05/24/19 20:40 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND            |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 20:40 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |           | 1.0 | 0.15  | ug/L |   |          | 05/24/19 20:40 | 1       |
| 1,1,2-Trichloroethane                 | ND            | F2        | 1.0 | 0.19  | ug/L |   |          | 05/24/19 20:40 | 1       |
| 1,1-Dichloroethane                    | ND            |           | 1.0 | 0.24  | ug/L |   |          | 05/24/19 20:40 | 1       |
| 1,1-Dichloroethene                    | ND            |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 20:40 | 1       |
| 1,2,4-Trichlorobenzene                | ND            |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 20:40 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND            |           | 10  | 0.94  | ug/L |   |          | 05/24/19 20:40 | 1       |
| 1,2-Dichlorobenzene                   | ND            |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 20:40 | 1       |
| 1,2-Dichloroethane                    | ND            |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 20:40 | 1       |
| 1,2-Dichloropropane                   | ND            |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 20:40 | 1       |
| 1,3-Dichlorobenzene                   | ND            |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 20:40 | 1       |
| 1,4-Dichlorobenzene                   | ND            |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 20:40 | 1       |
| 2-Butanone (MEK)                      | ND            |           | 50  | 2.6   | ug/L |   |          | 05/24/19 20:40 | 1       |
| 2-Hexanone                            | ND            |           | 10  | 1.3   | ug/L |   |          | 05/24/19 20:40 | 1       |
| t-Butyl alcohol                       | ND            |           | 10  | 3.9   | ug/L |   |          | 05/24/19 20:40 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND            |           | 10  | 0.81  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Acetone                               | ND            |           | 25  | 2.7   | ug/L |   |          | 05/24/19 20:40 | 1       |
| Benzene                               | ND            |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Bromoform                             | ND            |           | 1.0 | 0.29  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Bromomethane                          | ND            |           | 1.0 | 0.35  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Carbon disulfide                      | ND            |           | 1.0 | 0.22  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Carbon tetrachloride                  | ND            |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Chlorobenzene                         | ND            |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Dibromochloromethane                  | ND            |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Chloroethane                          | ND            |           | 1.0 | 0.36  | ug/L |   |          | 05/24/19 20:40 | 1       |
| <b>Chloroform</b>                     | <b>4.5</b>    |           | 1.0 | 0.23  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Chloromethane                         | ND            |           | 1.0 | 0.36  | ug/L |   |          | 05/24/19 20:40 | 1       |
| <b>cis-1,2-Dichloroethene</b>         | <b>2.1</b>    |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Cyclohexane                           | ND            |           | 5.0 | 0.13  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Bromodichloromethane                  | ND            |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Dichlorodifluoromethane               | ND            |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Ethylbenzene                          | ND            |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 20:40 | 1       |
| 1,2-Dibromoethane                     | ND            |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Isopropylbenzene                      | ND            |           | 1.0 | 0.33  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Methyl acetate                        | ND            |           | 10  | 0.58  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Methyl tert-butyl ether               | ND            |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Methylcyclohexane                     | ND            |           | 5.0 | 0.090 | ug/L |   |          | 05/24/19 20:40 | 1       |
| Methylene Chloride                    | ND            |           | 5.0 | 1.0   | ug/L |   |          | 05/24/19 20:40 | 1       |
| <b>Tetrachloroethene</b>              | <b>4.3</b>    |           | 1.0 | 0.14  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Toluene                               | ND            |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 20:40 | 1       |
| <b>trans-1,2-Dichloroethene</b>       | <b>0.30 J</b> |           | 1.0 | 0.23  | ug/L |   |          | 05/24/19 20:40 | 1       |
| trans-1,3-Dichloropropene             | ND            | F2        | 1.0 | 0.17  | ug/L |   |          | 05/24/19 20:40 | 1       |
| <b>Trichloroethene</b>                | <b>5.7</b>    |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Trichlorofluoromethane                | ND            |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Vinyl chloride                        | ND            |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Xylenes, Total                        | ND            |           | 3.0 | 0.58  | ug/L |   |          | 05/24/19 20:40 | 1       |
| cis-1,3-Dichloropropene               | ND            |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 20:40 | 1       |
| Styrene                               | ND            |           | 1.0 | 0.28  | ug/L |   |          | 05/24/19 20:40 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

Client Sample ID: LMW-01-GW

Lab Sample ID: 480-153914-3

Date Collected: 05/21/19 12:00

Matrix: Water

Date Received: 05/21/19 14:40

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 70 - 130 |          | 05/24/19 20:40 | 1       |
| 4-Bromofluorobenzene (Surr)  | 103       |           | 70 - 130 |          | 05/24/19 20:40 | 1       |
| Toluene-d8 (Surr)            | 105       |           | 70 - 130 |          | 05/24/19 20:40 | 1       |
| Dibromofluoromethane (Surr)  | 104       |           | 70 - 130 |          | 05/24/19 20:40 | 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 |   | 05/23/19 15:07 | 05/30/19 19:05 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 24        |           | 15 - 110 |      |      |   | 05/23/19 15:07 | 05/30/19 19:05 | 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 |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 5.0 | 0.61 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 5.0 | 0.51 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 5.0 | 0.50 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 10  | 2.2  | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 5.0 | 0.45 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 5.0 | 0.40 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 2-Chloronaphthalene           | ND     |           | 5.0 | 0.46 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 2-Chlorophenol                | ND     |           | 5.0 | 0.53 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 2-Methylnaphthalene           | ND     |           | 5.0 | 0.60 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 2-Methylphenol                | ND     |           | 5.0 | 0.40 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 2-Nitroaniline                | ND     |           | 10  | 0.42 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 2-Nitrophenol                 | ND     |           | 5.0 | 0.48 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 5.0 | 0.40 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 3-Nitroaniline                | ND     |           | 10  | 0.48 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10  | 2.2  | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 5.0 | 0.45 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 5.0 | 0.45 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 4-Chloroaniline               | ND     |           | 5.0 | 0.59 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 5.0 | 0.35 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 4-Methylphenol                | ND     |           | 10  | 0.36 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 4-Nitroaniline                | ND     |           | 10  | 0.25 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 4-Nitrophenol                 | ND     |           | 10  | 1.5  | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Acenaphthene                  | ND     |           | 5.0 | 0.41 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Acenaphthylene                | ND     |           | 5.0 | 0.38 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Acetophenone                  | ND     |           | 5.0 | 0.54 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Anthracene                    | ND     |           | 5.0 | 0.28 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Atrazine                      | ND     |           | 5.0 | 0.46 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Benzaldehyde                  | ND     |           | 5.0 | 0.27 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Benzo(a)anthracene            | ND     |           | 5.0 | 0.36 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Benzo(a)pyrene                | ND     |           | 5.0 | 0.47 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 5.0 | 0.34 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 5.0 | 0.35 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 5.0 | 0.73 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Biphenyl                      | ND     |           | 5.0 | 0.65 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 5.0 | 0.52 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.0 | 0.35 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

Client Sample ID: LMW-01-GW

Lab Sample ID: 480-153914-3

Date Collected: 05/21/19 12:00

Matrix: Water

Date Received: 05/21/19 14:40

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

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Bis(2-chloroethyl)ether     | ND     |           | 5.0 | 0.40 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Bis(2-ethylhexyl) phthalate | ND     |           | 5.0 | 2.2  | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Butyl benzyl phthalate      | ND     |           | 5.0 | 1.0  | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Caprolactam                 | ND     |           | 5.0 | 2.2  | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Carbazole                   | ND     |           | 5.0 | 0.30 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Chrysene                    | ND     |           | 5.0 | 0.33 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Dibenz(a,h)anthracene       | ND     |           | 5.0 | 0.42 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Dibenzofuran                | ND     |           | 10  | 0.51 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Diethyl phthalate           | ND     |           | 5.0 | 0.22 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Dimethyl phthalate          | ND     |           | 5.0 | 0.36 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Di-n-butyl phthalate        | ND     |           | 5.0 | 0.31 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Di-n-octyl phthalate        | ND     |           | 5.0 | 0.47 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Fluoranthene                | ND     |           | 5.0 | 0.40 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Fluorene                    | ND     |           | 5.0 | 0.36 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Hexachlorobenzene           | ND     |           | 5.0 | 0.51 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.0 | 0.68 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Hexachlorocyclopentadiene   | ND     |           | 5.0 | 0.59 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Hexachloroethane            | ND     |           | 5.0 | 0.59 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Indeno(1,2,3-cd)pyrene      | ND     |           | 5.0 | 0.47 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Isophorone                  | ND     |           | 5.0 | 0.43 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Naphthalene                 | ND     |           | 5.0 | 0.76 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Nitrobenzene                | ND     |           | 5.0 | 0.29 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| N-Nitrosodi-n-propylamine   | ND     |           | 5.0 | 0.54 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| N-Nitrosodiphenylamine      | ND     |           | 5.0 | 0.51 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Pentachlorophenol           | ND     |           | 10  | 2.2  | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Phenanthrene                | ND     |           | 5.0 | 0.44 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Phenol                      | ND     |           | 5.0 | 0.39 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Pyrene                      | ND     |           | 5.0 | 0.34 | ug/L |   | 05/24/19 15:55 | 05/30/19 00:23 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 91        |           | 41 - 120 | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 2-Fluorobiphenyl     | 90        |           | 48 - 120 | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| 2-Fluorophenol       | 70        |           | 35 - 120 | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Nitrobenzene-d5      | 85        |           | 46 - 120 | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| Phenol-d5            | 49        |           | 22 - 120 | 05/24/19 15:55 | 05/30/19 00:23 | 1       |
| p-Terphenyl-d14      | 92        |           | 59 - 136 | 05/24/19 15:55 | 05/30/19 00:23 | 1       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.20 | 0.20 | mg/L |   | 05/23/19 06:40 | 05/23/19 15:19 | 1       |
| Kerosene             | ND     |           | 0.49 | 0.49 | mg/L |   | 05/23/19 06:40 | 05/23/19 15:19 | 1       |
| Motor Oil            | ND     |           | 0.98 | 0.98 | mg/L |   | 05/23/19 06:40 | 05/23/19 15:19 | 1       |
| Fuel Oil #2          | ND     |           | 0.49 | 0.49 | mg/L |   | 05/23/19 06:40 | 05/23/19 15:19 | 1       |
| Fuel Oil #4          | ND     |           | 0.49 | 0.49 | mg/L |   | 05/23/19 06:40 | 05/23/19 15:19 | 1       |
| Fuel Oil #6          | ND     |           | 0.49 | 0.49 | mg/L |   | 05/23/19 06:40 | 05/23/19 15:19 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.20 | 0.20 | mg/L |   | 05/23/19 06:40 | 05/23/19 15:19 | 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 |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

Client Sample ID: LMW-01-GW

Lab Sample ID: 480-153914-3

Date Collected: 05/21/19 12:00

Matrix: Water

Date Received: 05/21/19 14:40

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

| Analyte             | Result | Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| 4,4'-DDT            | ND     |           | 0.050 | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| delta-BHC           | ND     |           | 0.050 | 0.010  | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| Endrin aldehyde     | ND     |           | 0.050 | 0.016  | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| gamma-BHC (Lindane) | ND     |           | 0.050 | 0.0080 | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| trans-Chlordane     | ND     |           | 0.050 | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| Heptachlor          | ND     |           | 0.050 | 0.0085 | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| Heptachlor epoxide  | ND     |           | 0.050 | 0.0074 | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| Methoxychlor        | ND     |           | 0.050 | 0.014  | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| Toxaphene           | ND     |           | 0.50  | 0.12   | ug/L |   | 05/23/19 15:00 | 05/24/19 11:48 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 46        |           | 20 - 120 | 05/23/19 15:00 | 05/24/19 11:48 | 1       |
| Tetrachloro-m-xylene   | 81        |           | 44 - 120 | 05/23/19 15:00 | 05/24/19 11:48 | 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 |   | 05/29/19 15:43 | 05/30/19 15:23 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:23 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:23 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:23 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:23 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:23 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:23 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:23 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 15:23 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 73        |           | 39 - 121 | 05/29/19 15:43 | 05/30/19 15:23 | 1       |
| DCB Decachlorobiphenyl | 51        |           | 19 - 120 | 05/29/19 15:43 | 05/30/19 15:23 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Arsenic   | 0.012  | J         | 0.015  | 0.0056  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Barium    | 0.045  |           | 0.0020 | 0.00070 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Calcium   | 89.9   |           | 0.50   | 0.10    | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153914-1

Client Sample ID: LMW-01-GW

Lab Sample ID: 480-153914-3

Date Collected: 05/21/19 12:00

Matrix: Water

Date Received: 05/21/19 14:40

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result  | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|---------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Chromium  | ND      |           | 0.0040 | 0.0010  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Cobalt    | 0.00075 | J         | 0.0040 | 0.00063 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Copper    | 0.0060  | J         | 0.010  | 0.0016  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Iron      | 0.047   | J         | 0.050  | 0.019   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Lead      | ND      |           | 0.010  | 0.0030  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Magnesium | 13.8    | F1        | 0.20   | 0.043   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Manganese | 0.025   | B         | 0.0030 | 0.00040 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Nickel    | 0.046   |           | 0.010  | 0.0013  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Potassium | 3.2     |           | 0.50   | 0.10    | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Selenium  | ND      |           | 0.025  | 0.0087  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Silver    | ND      |           | 0.0060 | 0.0017  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Sodium    | 108     |           | 1.0    | 0.32    | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Thallium  | ND      |           | 0.020  | 0.010   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Vanadium  | ND      |           | 0.0050 | 0.0015  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |
| Zinc      | 0.0085  | J         | 0.010  | 0.0015  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:27 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 05/26/19 13:15 | 05/26/19 16:01 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

Client Sample ID: MW-07-GW

Lab Sample ID: 480-153914-4

Date Collected: 05/21/19 12:00

Matrix: Water

Date Received: 05/21/19 14:40

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

| Analyte                               | Result     | Qualifier | RL  | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|------------|-----------|-----|-------|------|---|----------|----------------|---------|
| <b>1,1,1-Trichloroethane</b>          | <b>1.6</b> |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 21:06 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND         |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 21:06 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND         |           | 1.0 | 0.15  | ug/L |   |          | 05/24/19 21:06 | 1       |
| 1,1,2-Trichloroethane                 | ND         |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 21:06 | 1       |
| <b>1,1-Dichloroethane</b>             | <b>2.8</b> |           | 1.0 | 0.24  | ug/L |   |          | 05/24/19 21:06 | 1       |
| 1,1-Dichloroethene                    | ND         |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 21:06 | 1       |
| 1,2,4-Trichlorobenzene                | ND         |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 21:06 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND         |           | 10  | 0.94  | ug/L |   |          | 05/24/19 21:06 | 1       |
| 1,2-Dichlorobenzene                   | ND         |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 21:06 | 1       |
| 1,2-Dichloroethane                    | ND         |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 21:06 | 1       |
| 1,2-Dichloropropane                   | ND         |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 21:06 | 1       |
| 1,3-Dichlorobenzene                   | ND         |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 21:06 | 1       |
| 1,4-Dichlorobenzene                   | ND         |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 21:06 | 1       |
| 2-Butanone (MEK)                      | ND         |           | 50  | 2.6   | ug/L |   |          | 05/24/19 21:06 | 1       |
| 2-Hexanone                            | ND         |           | 10  | 1.3   | ug/L |   |          | 05/24/19 21:06 | 1       |
| t-Butyl alcohol                       | ND         |           | 10  | 3.9   | ug/L |   |          | 05/24/19 21:06 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND         |           | 10  | 0.81  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Acetone                               | ND         |           | 25  | 2.7   | ug/L |   |          | 05/24/19 21:06 | 1       |
| Benzene                               | ND         |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Bromoform                             | ND         |           | 1.0 | 0.29  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Bromomethane                          | ND         |           | 1.0 | 0.35  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Carbon disulfide                      | ND         |           | 1.0 | 0.22  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Carbon tetrachloride                  | ND         |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Chlorobenzene                         | ND         |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Dibromochloromethane                  | ND         |           | 1.0 | 0.25  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Chloroethane                          | ND         |           | 1.0 | 0.36  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Chloroform                            | ND         |           | 1.0 | 0.23  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Chloromethane                         | ND         |           | 1.0 | 0.36  | ug/L |   |          | 05/24/19 21:06 | 1       |
| <b>cis-1,2-Dichloroethene</b>         | <b>16</b>  |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Cyclohexane                           | ND         |           | 5.0 | 0.13  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Bromodichloromethane                  | ND         |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Dichlorodifluoromethane               | ND         |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Ethylbenzene                          | ND         |           | 1.0 | 0.19  | ug/L |   |          | 05/24/19 21:06 | 1       |
| 1,2-Dibromoethane                     | ND         |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Isopropylbenzene                      | ND         |           | 1.0 | 0.33  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Methyl acetate                        | ND         |           | 10  | 0.58  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Methyl tert-butyl ether               | ND         |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Methylcyclohexane                     | ND         |           | 5.0 | 0.090 | ug/L |   |          | 05/24/19 21:06 | 1       |
| Methylene Chloride                    | ND         |           | 5.0 | 1.0   | ug/L |   |          | 05/24/19 21:06 | 1       |
| Tetrachloroethene                     | ND         |           | 1.0 | 0.14  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Toluene                               | ND         |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 21:06 | 1       |
| trans-1,2-Dichloroethene              | ND         |           | 1.0 | 0.23  | ug/L |   |          | 05/24/19 21:06 | 1       |
| trans-1,3-Dichloropropene             | ND         |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 21:06 | 1       |
| <b>Trichloroethene</b>                | <b>5.0</b> |           | 1.0 | 0.20  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Trichlorofluoromethane                | ND         |           | 1.0 | 0.21  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Vinyl chloride                        | ND         |           | 1.0 | 0.18  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Xylenes, Total                        | ND         |           | 3.0 | 0.58  | ug/L |   |          | 05/24/19 21:06 | 1       |
| cis-1,3-Dichloropropene               | ND         |           | 1.0 | 0.17  | ug/L |   |          | 05/24/19 21:06 | 1       |
| Styrene                               | ND         |           | 1.0 | 0.28  | ug/L |   |          | 05/24/19 21:06 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

**Client Sample ID: MW-07-GW**

**Lab Sample ID: 480-153914-4**

**Date Collected: 05/21/19 12:00**

**Matrix: Water**

**Date Received: 05/21/19 14:40**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 70 - 130 |          | 05/24/19 21:06 | 1       |
| 4-Bromofluorobenzene (Surr)  | 103       |           | 70 - 130 |          | 05/24/19 21:06 | 1       |
| Toluene-d8 (Surr)            | 110       |           | 70 - 130 |          | 05/24/19 21:06 | 1       |
| Dibromofluoromethane (Surr)  | 109       |           | 70 - 130 |          | 05/24/19 21:06 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Barium    | 0.037  |           | 0.0020 | 0.00070 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Calcium   | 70.9   |           | 0.50   | 0.10    | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Chromium  | 0.0040 |           | 0.0040 | 0.0010  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Copper    | 0.0047 | J         | 0.010  | 0.0016  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Iron      | ND     |           | 0.050  | 0.019   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Magnesium | 6.6    |           | 0.20   | 0.043   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Manganese | 0.0018 | J B       | 0.0030 | 0.00040 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Nickel    | 0.027  |           | 0.010  | 0.0013  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Potassium | 3.5    |           | 0.50   | 0.10    | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Sodium    | 23.2   |           | 1.0    | 0.32    | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |
| Zinc      | 0.0069 | J         | 0.010  | 0.0015  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:45 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 05/26/19 13:15 | 05/26/19 16:06 | 1       |

## Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID    | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                  |
|------------------|------------------------|------------------------------------------------|-----------------|-----------------|------------------|
|                  |                        | DCA<br>(70-130)                                | BFB<br>(70-130) | TOL<br>(70-130) | DBFM<br>(70-130) |
| 480-153914-1     | MW-02-GW               | 99                                             | 98              | 102             | 102              |
| 480-153914-2     | MW-2-02-GW             | 96                                             | 102             | 109             | 100              |
| 480-153914-3     | LMW-01-GW              | 98                                             | 103             | 105             | 104              |
| 480-153914-3 MS  | LMW-01-GW              | 102                                            | 102             | 104             | 104              |
| 480-153914-3 MSD | LMW-01-GW              | 102                                            | 102             | 104             | 103              |
| 480-153914-4     | MW-07-GW               | 103                                            | 103             | 110             | 109              |
| LCS 490-597525/3 | Lab Control Sample     | 103                                            | 103             | 103             | 103              |
| LCS 490-597525/4 | Lab Control Sample Dup | 102                                            | 102             | 102             | 100              |
| MB 490-597525/7  | Method Blank           | 98                                             | 105             | 105             | 107              |

**Surrogate Legend**

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
TOL = Toluene-d8 (Surr)  
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                 |                 |                    |
|--------------------|--------------------|------------------------------------------------|-----------------|-----------------|-----------------|-----------------|--------------------|
|                    |                    | TBP<br>(41-120)                                | FBP<br>(48-120) | 2FP<br>(35-120) | NBZ<br>(46-120) | PHL<br>(22-120) | TPHd14<br>(59-136) |
| 480-153914-1       | MW-02-GW           | 66                                             | 68              | 48              | 55              | 33              | 75                 |
| 480-153914-2       | MW-2-02-GW         | 83                                             | 90              | 65              | 78              | 43              | 71                 |
| 480-153914-3       | LMW-01-GW          | 91                                             | 90              | 70              | 85              | 49              | 92                 |
| 480-153914-3 MS    | LMW-01-GW          | 99                                             | 85              | 64              | 85              | 51              | 87                 |
| 480-153914-3 MSD   | LMW-01-GW          | 104                                            | 89              | 69              | 90              | 56              | 90                 |
| LCS 480-474679/2-A | Lab Control Sample | 92                                             | 80              | 64              | 80              | 52              | 93                 |
| MB 480-474679/1-A  | Method Blank       | 81                                             | 84              | 62              | 76              | 47              | 91                 |

**Surrogate Legend**

TBP = 2,4,6-Tribromophenol  
FBP = 2-Fluorobiphenyl  
2FP = 2-Fluorophenol  
NBZ = Nitrobenzene-d5  
PHL = Phenol-d5  
TPHd14 = p-Terphenyl-d14

### Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                  |
|--------------------|--------------------|------------------------------------------------|------------------|
|                    |                    | DCBP1<br>(20-120)                              | TCX1<br>(44-120) |
| 480-153914-1       | MW-02-GW           | 39                                             | 56               |
| 480-153914-2       | MW-2-02-GW         | 25                                             | 62               |
| 480-153914-3       | LMW-01-GW          | 46                                             | 81               |
| 480-153914-3 MS    | LMW-01-GW          | 53                                             | 60               |
| 480-153914-3 MSD   | LMW-01-GW          | 55                                             | 67               |
| LCS 480-474461/2-A | Lab Control Sample | 46                                             | 66               |
| MB 480-474461/1-A  | Method Blank       | 50                                             | 85               |

Eurofins TestAmerica, Buffalo

## Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

### Surrogate Legend

DCBP = DCB Decachlorobiphenyl  
TCX = Tetrachloro-m-xylene

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

Matrix: Water

Prep Type: Total/NA

#### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID   | TCX2     | DCBP2    |
|--------------------|--------------------|----------|----------|
|                    |                    | (39-121) | (19-120) |
| 480-153914-1       | MW-02-GW           | 69       | 49       |
| 480-153914-2       | MW-2-02-GW         | 58       | 26       |
| 480-153914-3       | LMW-01-GW          | 73       | 51       |
| 480-153914-3 MS    | LMW-01-GW          | 85       | 58       |
| 480-153914-3 MSD   | LMW-01-GW          | 53       | 44       |
| LCS 480-475155/2-A | Lab Control Sample | 62       | 40       |
| MB 480-475155/1-A  | Method Blank       | 75       | 58       |

### Surrogate Legend

TCX = Tetrachloro-m-xylene  
DCBP = DCB Decachlorobiphenyl



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

Lab Sample ID: MB 490-597525/7

Matrix: Water

Analysis Batch: 597525

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB<br>Result | MB<br>Qualifier | RL  | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------------|-----------------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND           |                 | 1.0 | 0.19  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND           |                 | 1.0 | 0.19  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND           |                 | 1.0 | 0.15  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,1,2-Trichloroethane                 | ND           |                 | 1.0 | 0.19  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,1-Dichloroethane                    | ND           |                 | 1.0 | 0.24  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,1-Dichloroethene                    | ND           |                 | 1.0 | 0.25  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,2,4-Trichlorobenzene                | ND           |                 | 1.0 | 0.20  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND           |                 | 10  | 0.94  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,2-Dichlorobenzene                   | ND           |                 | 1.0 | 0.19  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,2-Dichloroethane                    | ND           |                 | 1.0 | 0.20  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,2-Dichloropropane                   | ND           |                 | 1.0 | 0.25  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,3-Dichlorobenzene                   | ND           |                 | 1.0 | 0.18  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,4-Dichlorobenzene                   | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 2-Butanone (MEK)                      | ND           |                 | 50  | 2.6   | ug/L |   |          | 05/24/19 13:16 | 1       |
| 2-Hexanone                            | ND           |                 | 10  | 1.3   | ug/L |   |          | 05/24/19 13:16 | 1       |
| t-Butyl alcohol                       | ND           |                 | 10  | 3.9   | ug/L |   |          | 05/24/19 13:16 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND           |                 | 10  | 0.81  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Acetone                               | ND           |                 | 25  | 2.7   | ug/L |   |          | 05/24/19 13:16 | 1       |
| Benzene                               | ND           |                 | 1.0 | 0.20  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Bromoform                             | ND           |                 | 1.0 | 0.29  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Bromomethane                          | ND           |                 | 1.0 | 0.35  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Carbon disulfide                      | ND           |                 | 1.0 | 0.22  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Carbon tetrachloride                  | ND           |                 | 1.0 | 0.18  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Chlorobenzene                         | ND           |                 | 1.0 | 0.18  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Dibromochloromethane                  | ND           |                 | 1.0 | 0.25  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Chloroethane                          | ND           |                 | 1.0 | 0.36  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Chloroform                            | ND           |                 | 1.0 | 0.23  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Chloromethane                         | ND           |                 | 1.0 | 0.36  | ug/L |   |          | 05/24/19 13:16 | 1       |
| cis-1,2-Dichloroethene                | ND           |                 | 1.0 | 0.21  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Cyclohexane                           | ND           |                 | 5.0 | 0.13  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Bromodichloromethane                  | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Dichlorodifluoromethane               | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Ethylbenzene                          | ND           |                 | 1.0 | 0.19  | ug/L |   |          | 05/24/19 13:16 | 1       |
| 1,2-Dibromoethane                     | ND           |                 | 1.0 | 0.21  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Isopropylbenzene                      | ND           |                 | 1.0 | 0.33  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Methyl acetate                        | ND           |                 | 10  | 0.58  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Methyl tert-butyl ether               | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Methylcyclohexane                     | ND           |                 | 5.0 | 0.090 | ug/L |   |          | 05/24/19 13:16 | 1       |
| Methylene Chloride                    | ND           |                 | 5.0 | 1.0   | ug/L |   |          | 05/24/19 13:16 | 1       |
| Tetrachloroethene                     | ND           |                 | 1.0 | 0.14  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Toluene                               | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/24/19 13:16 | 1       |
| trans-1,2-Dichloroethene              | ND           |                 | 1.0 | 0.23  | ug/L |   |          | 05/24/19 13:16 | 1       |
| trans-1,3-Dichloropropene             | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Trichloroethene                       | ND           |                 | 1.0 | 0.20  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Trichlorofluoromethane                | ND           |                 | 1.0 | 0.21  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Vinyl chloride                        | ND           |                 | 1.0 | 0.18  | ug/L |   |          | 05/24/19 13:16 | 1       |
| Xylenes, Total                        | ND           |                 | 3.0 | 0.58  | ug/L |   |          | 05/24/19 13:16 | 1       |
| cis-1,3-Dichloropropene               | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/24/19 13:16 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

Lab Sample ID: MB 490-597525/7

Matrix: Water

Analysis Batch: 597525

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                      | MB<br>Result    | MB<br>Qualifier | RL       | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------------|-----------------|----------|------|------|---|----------|----------------|---------|
| Styrene                      | ND              |                 | 1.0      | 0.28 | ug/L |   |          | 05/24/19 13:16 | 1       |
| Surrogate                    | MB<br>%Recovery | MB<br>Qualifier | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 98              |                 | 70 - 130 |      |      |   |          | 05/24/19 13:16 | 1       |
| 4-Bromofluorobenzene (Surr)  | 105             |                 | 70 - 130 |      |      |   |          | 05/24/19 13:16 | 1       |
| Toluene-d8 (Surr)            | 105             |                 | 70 - 130 |      |      |   |          | 05/24/19 13:16 | 1       |
| Dibromofluoromethane (Surr)  | 107             |                 | 70 - 130 |      |      |   |          | 05/24/19 13:16 | 1       |

Lab Sample ID: LCS 490-597525/3

Matrix: Water

Analysis Batch: 597525

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------------------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 1,1,1-Trichloroethane                 | 20.0           | 20.8          |                  | ug/L |   | 104  | 78 - 135        |
| 1,1,2,2-Tetrachloroethane             | 20.0           | 21.1          |                  | ug/L |   | 106  | 69 - 131        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 20.0           | 21.3          |                  | ug/L |   | 106  | 77 - 129        |
| 1,1,2-Trichloroethane                 | 20.0           | 20.3          |                  | ug/L |   | 102  | 80 - 124        |
| 1,1-Dichloroethane                    | 20.0           | 19.8          |                  | ug/L |   | 99   | 78 - 125        |
| 1,1-Dichloroethene                    | 20.0           | 21.1          |                  | ug/L |   | 106  | 79 - 124        |
| 1,2,4-Trichlorobenzene                | 20.0           | 20.6          |                  | ug/L |   | 103  | 63 - 133        |
| 1,2-Dibromo-3-Chloropropane           | 20.0           | 20.0          |                  | ug/L |   | 100  | 54 - 125        |
| 1,2-Dichlorobenzene                   | 20.0           | 21.2          |                  | ug/L |   | 106  | 80 - 121        |
| 1,2-Dichloroethane                    | 20.0           | 19.5          |                  | ug/L |   | 97   | 77 - 121        |
| 1,2-Dichloropropane                   | 20.0           | 19.5          |                  | ug/L |   | 98   | 75 - 120        |
| 1,3-Dichlorobenzene                   | 20.0           | 20.8          |                  | ug/L |   | 104  | 80 - 122        |
| 1,4-Dichlorobenzene                   | 20.0           | 18.8          |                  | ug/L |   | 94   | 80 - 120        |
| 2-Butanone (MEK)                      | 100            | 109           |                  | ug/L |   | 109  | 62 - 133        |
| 2-Hexanone                            | 100            | 96.9          |                  | ug/L |   | 97   | 60 - 142        |
| t-Butyl alcohol                       | 200            | 192           |                  | ug/L |   | 96   | 54 - 150        |
| 4-Methyl-2-pentanone (MIBK)           | 100            | 108           |                  | ug/L |   | 108  | 60 - 137        |
| Acetone                               | 100            | 98.2          |                  | ug/L |   | 98   | 54 - 145        |
| Benzene                               | 20.0           | 20.0          |                  | ug/L |   | 100  | 80 - 121        |
| Bromoform                             | 20.0           | 20.7          |                  | ug/L |   | 104  | 46 - 145        |
| Bromomethane                          | 20.0           | 20.9          |                  | ug/L |   | 105  | 41 - 150        |
| Carbon disulfide                      | 20.0           | 20.6          |                  | ug/L |   | 103  | 77 - 126        |
| Carbon tetrachloride                  | 20.0           | 20.9          |                  | ug/L |   | 105  | 64 - 147        |
| Chlorobenzene                         | 20.0           | 20.4          |                  | ug/L |   | 102  | 80 - 120        |
| Dibromochloromethane                  | 20.0           | 19.7          |                  | ug/L |   | 98   | 69 - 133        |
| Chloroethane                          | 20.0           | 19.6          |                  | ug/L |   | 98   | 72 - 120        |
| Chloroform                            | 20.0           | 20.4          |                  | ug/L |   | 102  | 73 - 129        |
| Chloromethane                         | 20.0           | 20.5          |                  | ug/L |   | 103  | 12 - 150        |
| cis-1,2-Dichloroethene                | 20.0           | 19.5          |                  | ug/L |   | 98   | 76 - 125        |
| Cyclohexane                           | 20.0           | 21.4          |                  | ug/L |   | 107  | 73 - 122        |
| Bromodichloromethane                  | 20.0           | 20.1          |                  | ug/L |   | 101  | 75 - 129        |
| Dichlorodifluoromethane               | 20.0           | 23.3          |                  | ug/L |   | 117  | 37 - 127        |
| Ethylbenzene                          | 20.0           | 21.6          |                  | ug/L |   | 108  | 80 - 130        |
| 1,2-Dibromoethane                     | 20.0           | 21.5          |                  | ug/L |   | 107  | 80 - 129        |
| Isopropylbenzene                      | 20.0           | 20.8          |                  | ug/L |   | 104  | 80 - 141        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

Lab Sample ID: LCS 490-597525/3

Matrix: Water

Analysis Batch: 597525

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Methyl acetate            | 40.0        | 43.7       |               | ug/L |   | 109  | 64 - 150     |
| Methyl tert-butyl ether   | 20.0        | 21.2       |               | ug/L |   | 106  | 72 - 133     |
| Methylcyclohexane         | 20.0        | 21.0       |               | ug/L |   | 105  | 71 - 129     |
| Methylene Chloride        | 20.0        | 19.3       |               | ug/L |   | 96   | 79 - 123     |
| Tetrachloroethene         | 20.0        | 19.2       |               | ug/L |   | 96   | 80 - 126     |
| Toluene                   | 20.0        | 20.6       |               | ug/L |   | 103  | 80 - 126     |
| trans-1,2-Dichloroethene  | 20.0        | 20.1       |               | ug/L |   | 101  | 79 - 126     |
| trans-1,3-Dichloropropene | 20.0        | 21.6       |               | ug/L |   | 108  | 63 - 134     |
| Trichloroethene           | 20.0        | 20.2       |               | ug/L |   | 101  | 80 - 123     |
| Trichlorofluoromethane    | 20.0        | 21.0       |               | ug/L |   | 105  | 65 - 124     |
| Vinyl chloride            | 20.0        | 21.0       |               | ug/L |   | 105  | 68 - 120     |
| cis-1,3-Dichloropropene   | 20.0        | 21.3       |               | ug/L |   | 106  | 74 - 140     |
| Styrene                   | 20.0        | 21.4       |               | ug/L |   | 107  | 80 - 127     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 103           |               | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 103           |               | 70 - 130 |
| Toluene-d8 (Surr)            | 103           |               | 70 - 130 |
| Dibromofluoromethane (Surr)  | 103           |               | 70 - 130 |

Lab Sample ID: LCSD 490-597525/4

Matrix: Water

Analysis Batch: 597525

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| 1,1,1-Trichloroethane                 | 20.0        | 20.9        |                | ug/L |   | 104  | 78 - 135     | 0   | 15        |
| 1,1,2,2-Tetrachloroethane             | 20.0        | 20.8        |                | ug/L |   | 104  | 69 - 131     | 2   | 15        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 20.0        | 21.0        |                | ug/L |   | 105  | 77 - 129     | 1   | 16        |
| 1,1,2-Trichloroethane                 | 20.0        | 20.3        |                | ug/L |   | 102  | 80 - 124     | 0   | 13        |
| 1,1-Dichloroethane                    | 20.0        | 20.1        |                | ug/L |   | 101  | 78 - 125     | 2   | 17        |
| 1,1-Dichloroethene                    | 20.0        | 21.4        |                | ug/L |   | 107  | 79 - 124     | 1   | 20        |
| 1,2,4-Trichlorobenzene                | 20.0        | 20.9        |                | ug/L |   | 104  | 63 - 133     | 2   | 15        |
| 1,2-Dibromo-3-Chloropropane           | 20.0        | 19.9        |                | ug/L |   | 99   | 54 - 125     | 0   | 19        |
| 1,2-Dichlorobenzene                   | 20.0        | 21.3        |                | ug/L |   | 107  | 80 - 121     | 1   | 12        |
| 1,2-Dichloroethane                    | 20.0        | 20.1        |                | ug/L |   | 100  | 77 - 121     | 3   | 13        |
| 1,2-Dichloropropane                   | 20.0        | 19.7        |                | ug/L |   | 98   | 75 - 120     | 1   | 15        |
| 1,3-Dichlorobenzene                   | 20.0        | 21.3        |                | ug/L |   | 107  | 80 - 122     | 2   | 13        |
| 1,4-Dichlorobenzene                   | 20.0        | 19.9        |                | ug/L |   | 99   | 80 - 120     | 6   | 12        |
| 2-Butanone (MEK)                      | 100         | 105         |                | ug/L |   | 105  | 62 - 133     | 3   | 19        |
| 2-Hexanone                            | 100         | 99.0        |                | ug/L |   | 99   | 60 - 142     | 2   | 17        |
| t-Butyl alcohol                       | 200         | 193         |                | ug/L |   | 97   | 54 - 150     | 1   | 46        |
| 4-Methyl-2-pentanone (MIBK)           | 100         | 106         |                | ug/L |   | 106  | 60 - 137     | 2   | 21        |
| Acetone                               | 100         | 93.1        |                | ug/L |   | 93   | 54 - 145     | 5   | 23        |
| Benzene                               | 20.0        | 20.1        |                | ug/L |   | 101  | 80 - 121     | 1   | 12        |
| Bromoform                             | 20.0        | 20.1        |                | ug/L |   | 101  | 46 - 145     | 3   | 14        |
| Bromomethane                          | 20.0        | 21.1        |                | ug/L |   | 105  | 41 - 150     | 1   | 19        |
| Carbon disulfide                      | 20.0        | 19.7        |                | ug/L |   | 98   | 77 - 126     | 5   | 16        |
| Carbon tetrachloride                  | 20.0        | 21.2        |                | ug/L |   | 106  | 64 - 147     | 2   | 16        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

Lab Sample ID: LCSD 490-597525/4

Matrix: Water

Analysis Batch: 597525

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Chlorobenzene             | 20.0        | 20.2        |                | ug/L |   | 101  | 80 - 120     | 1   | 12        |
| Dibromochloromethane      | 20.0        | 19.7        |                | ug/L |   | 98   | 69 - 133     | 0   | 13        |
| Chloroethane              | 20.0        | 20.4        |                | ug/L |   | 102  | 72 - 120     | 4   | 15        |
| Chloroform                | 20.0        | 20.4        |                | ug/L |   | 102  | 73 - 129     | 0   | 14        |
| Chloromethane             | 20.0        | 19.6        |                | ug/L |   | 98   | 12 - 150     | 5   | 20        |
| cis-1,2-Dichloroethene    | 20.0        | 20.4        |                | ug/L |   | 102  | 76 - 125     | 5   | 15        |
| Cyclohexane               | 20.0        | 21.4        |                | ug/L |   | 107  | 73 - 122     | 0   | 16        |
| Bromodichloromethane      | 20.0        | 21.1        |                | ug/L |   | 105  | 75 - 129     | 5   | 14        |
| Dichlorodifluoromethane   | 20.0        | 24.2        |                | ug/L |   | 121  | 37 - 127     | 4   | 16        |
| Ethylbenzene              | 20.0        | 21.5        |                | ug/L |   | 108  | 80 - 130     | 0   | 12        |
| 1,2-Dibromoethane         | 20.0        | 21.8        |                | ug/L |   | 109  | 80 - 129     | 2   | 13        |
| Isopropylbenzene          | 20.0        | 20.1        |                | ug/L |   | 100  | 80 - 141     | 4   | 13        |
| Methyl acetate            | 40.0        | 42.1        |                | ug/L |   | 105  | 64 - 150     | 4   | 18        |
| Methyl tert-butyl ether   | 20.0        | 21.6        |                | ug/L |   | 108  | 72 - 133     | 2   | 16        |
| Methylcyclohexane         | 20.0        | 21.3        |                | ug/L |   | 107  | 71 - 129     | 2   | 17        |
| Methylene Chloride        | 20.0        | 19.0        |                | ug/L |   | 95   | 79 - 123     | 2   | 15        |
| Tetrachloroethene         | 20.0        | 19.9        |                | ug/L |   | 100  | 80 - 126     | 3   | 17        |
| Toluene                   | 20.0        | 20.7        |                | ug/L |   | 103  | 80 - 126     | 0   | 13        |
| trans-1,2-Dichloroethene  | 20.0        | 20.5        |                | ug/L |   | 102  | 79 - 126     | 2   | 15        |
| trans-1,3-Dichloropropene | 20.0        | 21.2        |                | ug/L |   | 106  | 63 - 134     | 2   | 13        |
| Trichloroethene           | 20.0        | 20.4        |                | ug/L |   | 102  | 80 - 123     | 1   | 14        |
| Trichlorofluoromethane    | 20.0        | 21.3        |                | ug/L |   | 106  | 65 - 124     | 1   | 22        |
| Vinyl chloride            | 20.0        | 21.3        |                | ug/L |   | 106  | 68 - 120     | 1   | 15        |
| cis-1,3-Dichloropropene   | 20.0        | 22.1        |                | ug/L |   | 111  | 74 - 140     | 4   | 15        |
| Styrene                   | 20.0        | 20.7        |                | ug/L |   | 104  | 80 - 127     | 3   | 12        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 102            |                | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 102            |                | 70 - 130 |
| Toluene-d8 (Surr)            | 102            |                | 70 - 130 |
| Dibromofluoromethane (Surr)  | 100            |                | 70 - 130 |

Lab Sample ID: 480-153914-3 MS

Matrix: Water

Analysis Batch: 597525

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,1,1-Trichloroethane                 | ND            |                  | 20.0        | 21.8      |              | ug/L |   | 109  | 68 - 144     |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 20.0        | 20.1      |              | ug/L |   | 100  | 56 - 145     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 20.0        | 22.7      |              | ug/L |   | 113  | 63 - 150     |
| 1,1,2-Trichloroethane                 | ND            | F2               | 20.0        | 21.0      |              | ug/L |   | 105  | 70 - 130     |
| 1,1-Dichloroethane                    | ND            |                  | 20.0        | 20.0      |              | ug/L |   | 100  | 61 - 139     |
| 1,1-Dichloroethene                    | ND            |                  | 20.0        | 21.4      |              | ug/L |   | 107  | 54 - 150     |
| 1,2,4-Trichlorobenzene                | ND            |                  | 20.0        | 16.9      |              | ug/L |   | 85   | 47 - 147     |
| 1,2-Dibromo-3-Chloropropane           | ND            |                  | 20.0        | 18.1      |              | ug/L |   | 91   | 38 - 138     |
| 1,2-Dichlorobenzene                   | ND            |                  | 20.0        | 21.2      |              | ug/L |   | 106  | 70 - 130     |
| 1,2-Dichloroethane                    | ND            |                  | 20.0        | 19.5      |              | ug/L |   | 98   | 64 - 136     |
| 1,2-Dichloropropane                   | ND            |                  | 20.0        | 19.6      |              | ug/L |   | 98   | 67 - 130     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

Lab Sample ID: 480-153914-3 MS

Matrix: Water

Analysis Batch: 597525

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,3-Dichlorobenzene         | ND            |                  | 20.0        | 21.0      |              | ug/L |   | 105  | 68 - 131     |
| 1,4-Dichlorobenzene         | ND            |                  | 20.0        | 18.2      |              | ug/L |   | 91   | 70 - 130     |
| 2-Butanone (MEK)            | ND            |                  | 100         | 101       |              | ug/L |   | 101  | 50 - 143     |
| 2-Hexanone                  | ND            |                  | 100         | 94.1      |              | ug/L |   | 94   | 44 - 150     |
| t-Butyl alcohol             | ND            |                  | 200         | 188       |              | ug/L |   | 94   | 10 - 150     |
| 4-Methyl-2-pentanone (MIBK) | ND            |                  | 100         | 108       |              | ug/L |   | 108  | 50 - 140     |
| Acetone                     | ND            |                  | 100         | 92.9      |              | ug/L |   | 93   | 39 - 150     |
| Benzene                     | ND            |                  | 20.0        | 20.3      |              | ug/L |   | 101  | 55 - 147     |
| Bromoform                   | ND            |                  | 20.0        | 19.2      |              | ug/L |   | 96   | 53 - 150     |
| Bromomethane                | ND            |                  | 20.0        | 20.6      |              | ug/L |   | 103  | 30 - 150     |
| Carbon disulfide            | ND            |                  | 20.0        | 20.0      |              | ug/L |   | 100  | 35 - 150     |
| Carbon tetrachloride        | ND            |                  | 20.0        | 22.1      |              | ug/L |   | 110  | 56 - 150     |
| Chlorobenzene               | ND            |                  | 20.0        | 19.9      |              | ug/L |   | 99   | 70 - 130     |
| Dibromochloromethane        | ND            |                  | 20.0        | 19.1      |              | ug/L |   | 95   | 66 - 140     |
| Chloroethane                | ND            |                  | 20.0        | 21.3      |              | ug/L |   | 107  | 58 - 141     |
| Chloroform                  | 4.5           |                  | 20.0        | 29.6      |              | ug/L |   | 126  | 66 - 138     |
| Chloromethane               | ND            |                  | 20.0        | 20.1      |              | ug/L |   | 101  | 10 - 150     |
| cis-1,2-Dichloroethene      | 2.1           |                  | 20.0        | 21.0      |              | ug/L |   | 94   | 68 - 131     |
| Cyclohexane                 | ND            |                  | 20.0        | 21.6      |              | ug/L |   | 108  | 48 - 150     |
| Bromodichloromethane        | ND            |                  | 20.0        | 20.9      |              | ug/L |   | 105  | 70 - 140     |
| Dichlorodifluoromethane     | ND            |                  | 20.0        | 26.0      |              | ug/L |   | 130  | 10 - 150     |
| Ethylbenzene                | ND            |                  | 20.0        | 21.2      |              | ug/L |   | 106  | 65 - 139     |
| 1,2-Dibromoethane           | ND            |                  | 20.0        | 19.7      |              | ug/L |   | 98   | 65 - 137     |
| Isopropylbenzene            | ND            |                  | 20.0        | 19.7      |              | ug/L |   | 99   | 70 - 137     |
| Methyl acetate              | ND            |                  | 40.0        | 39.6      |              | ug/L |   | 99   | 42 - 136     |
| Methyl tert-butyl ether     | ND            |                  | 20.0        | 20.2      |              | ug/L |   | 101  | 55 - 141     |
| Methylcyclohexane           | ND            |                  | 20.0        | 21.7      |              | ug/L |   | 108  | 59 - 150     |
| Methylene Chloride          | ND            |                  | 20.0        | 19.5      |              | ug/L |   | 97   | 64 - 130     |
| Tetrachloroethene           | 4.3           |                  | 20.0        | 22.0      |              | ug/L |   | 89   | 57 - 138     |
| Toluene                     | ND            |                  | 20.0        | 21.2      |              | ug/L |   | 106  | 64 - 136     |
| trans-1,2-Dichloroethene    | 0.30          | J                | 20.0        | 20.2      |              | ug/L |   | 100  | 59 - 143     |
| trans-1,3-Dichloropropene   | ND            | F2               | 20.0        | 21.7      |              | ug/L |   | 108  | 63 - 142     |
| Trichloroethene             | 5.7           |                  | 20.0        | 22.5      |              | ug/L |   | 84   | 63 - 135     |
| Trichlorofluoromethane      | ND            |                  | 20.0        | 22.6      |              | ug/L |   | 113  | 44 - 150     |
| Vinyl chloride              | ND            |                  | 20.0        | 22.8      |              | ug/L |   | 114  | 57 - 150     |
| cis-1,3-Dichloropropene     | ND            |                  | 20.0        | 21.8      |              | ug/L |   | 109  | 70 - 133     |
| Styrene                     | ND            |                  | 20.0        | 19.7      |              | ug/L |   | 99   | 70 - 130     |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 102          |              | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 102          |              | 70 - 130 |
| Toluene-d8 (Surr)            | 104          |              | 70 - 130 |
| Dibromofluoromethane (Surr)  | 104          |              | 70 - 130 |

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

Lab Sample ID: 480-153914-3 MSD

Matrix: Water

Analysis Batch: 597525

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,1,1-Trichloroethane                 | ND            |                  | 20.0        | 19.6       |               | ug/L |   | 98   | 68 - 144     | 10  | 17        |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 20.0        | 17.6       |               | ug/L |   | 88   | 56 - 145     | 13  | 20        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 20.0        | 19.8       |               | ug/L |   | 99   | 63 - 150     | 14  | 18        |
| 1,1,2-Trichloroethane                 | ND            | F2               | 20.0        | 17.0       | F2            | ug/L |   | 85   | 70 - 130     | 21  | 15        |
| 1,1-Dichloroethane                    | ND            |                  | 20.0        | 17.5       |               | ug/L |   | 87   | 61 - 139     | 13  | 17        |
| 1,1-Dichloroethene                    | ND            |                  | 20.0        | 19.4       |               | ug/L |   | 97   | 54 - 150     | 10  | 17        |
| 1,2,4-Trichlorobenzene                | ND            |                  | 20.0        | 17.0       |               | ug/L |   | 85   | 47 - 147     | 1   | 19        |
| 1,2-Dibromo-3-Chloropropane           | ND            |                  | 20.0        | 16.1       |               | ug/L |   | 80   | 38 - 138     | 12  | 24        |
| 1,2-Dichlorobenzene                   | ND            |                  | 20.0        | 18.3       |               | ug/L |   | 92   | 70 - 130     | 15  | 15        |
| 1,2-Dichloroethane                    | ND            |                  | 20.0        | 17.1       |               | ug/L |   | 86   | 64 - 136     | 13  | 17        |
| 1,2-Dichloropropane                   | ND            |                  | 20.0        | 18.4       |               | ug/L |   | 92   | 67 - 130     | 7   | 17        |
| 1,3-Dichlorobenzene                   | ND            |                  | 20.0        | 18.6       |               | ug/L |   | 93   | 68 - 131     | 12  | 15        |
| 1,4-Dichlorobenzene                   | ND            |                  | 20.0        | 17.4       |               | ug/L |   | 87   | 70 - 130     | 5   | 15        |
| 2-Butanone (MEK)                      | ND            |                  | 100         | 93.2       |               | ug/L |   | 93   | 50 - 143     | 8   | 19        |
| 2-Hexanone                            | ND            |                  | 100         | 86.4       |               | ug/L |   | 86   | 44 - 150     | 9   | 15        |
| t-Butyl alcohol                       | ND            |                  | 200         | 174        |               | ug/L |   | 87   | 10 - 150     | 8   | 32        |
| 4-Methyl-2-pentanone (MIBK)           | ND            |                  | 100         | 97.5       |               | ug/L |   | 98   | 50 - 140     | 10  | 17        |
| Acetone                               | ND            |                  | 100         | 81.3       |               | ug/L |   | 81   | 39 - 150     | 13  | 21        |
| Benzene                               | ND            |                  | 20.0        | 17.7       |               | ug/L |   | 89   | 55 - 147     | 14  | 17        |
| Bromoform                             | ND            |                  | 20.0        | 17.2       |               | ug/L |   | 86   | 53 - 150     | 11  | 16        |
| Bromomethane                          | ND            |                  | 20.0        | 18.4       |               | ug/L |   | 92   | 30 - 150     | 11  | 50        |
| Carbon disulfide                      | ND            |                  | 20.0        | 18.2       |               | ug/L |   | 91   | 35 - 150     | 9   | 21        |
| Carbon tetrachloride                  | ND            |                  | 20.0        | 18.6       |               | ug/L |   | 93   | 56 - 150     | 17  | 19        |
| Chlorobenzene                         | ND            |                  | 20.0        | 18.0       |               | ug/L |   | 90   | 70 - 130     | 10  | 14        |
| Dibromochloromethane                  | ND            |                  | 20.0        | 17.6       |               | ug/L |   | 88   | 66 - 140     | 8   | 15        |
| Chloroethane                          | ND            |                  | 20.0        | 19.4       |               | ug/L |   | 97   | 58 - 141     | 10  | 20        |
| Chloroform                            | 4.5           |                  | 20.0        | 25.3       |               | ug/L |   | 104  | 66 - 138     | 16  | 18        |
| Chloromethane                         | ND            |                  | 20.0        | 18.6       |               | ug/L |   | 93   | 10 - 150     | 8   | 31        |
| cis-1,2-Dichloroethene                | 2.1           |                  | 20.0        | 20.0       |               | ug/L |   | 90   | 68 - 131     | 5   | 17        |
| Cyclohexane                           | ND            |                  | 20.0        | 19.6       |               | ug/L |   | 98   | 48 - 150     | 10  | 16        |
| Bromodichloromethane                  | ND            |                  | 20.0        | 19.3       |               | ug/L |   | 97   | 70 - 140     | 8   | 18        |
| Dichlorodifluoromethane               | ND            |                  | 20.0        | 22.7       |               | ug/L |   | 114  | 10 - 150     | 14  | 18        |
| Ethylbenzene                          | ND            |                  | 20.0        | 18.8       |               | ug/L |   | 94   | 65 - 139     | 12  | 15        |
| 1,2-Dibromoethane                     | ND            |                  | 20.0        | 18.9       |               | ug/L |   | 94   | 65 - 137     | 4   | 15        |
| Isopropylbenzene                      | ND            |                  | 20.0        | 18.1       |               | ug/L |   | 90   | 70 - 137     | 9   | 16        |
| Methyl acetate                        | ND            |                  | 40.0        | 35.7       |               | ug/L |   | 89   | 42 - 136     | 10  | 31        |
| Methyl tert-butyl ether               | ND            |                  | 20.0        | 18.6       |               | ug/L |   | 93   | 55 - 141     | 8   | 16        |
| Methylcyclohexane                     | ND            |                  | 20.0        | 20.2       |               | ug/L |   | 101  | 59 - 150     | 7   | 19        |
| Methylene Chloride                    | ND            |                  | 20.0        | 17.2       |               | ug/L |   | 86   | 64 - 130     | 12  | 17        |
| Tetrachloroethene                     | 4.3           |                  | 20.0        | 20.0       |               | ug/L |   | 79   | 57 - 138     | 9   | 16        |
| Toluene                               | ND            |                  | 20.0        | 18.9       |               | ug/L |   | 94   | 64 - 136     | 11  | 15        |
| trans-1,2-Dichloroethene              | 0.30          | J                | 20.0        | 18.2       |               | ug/L |   | 90   | 59 - 143     | 11  | 16        |
| trans-1,3-Dichloropropene             | ND            | F2               | 20.0        | 18.3       | F2            | ug/L |   | 92   | 63 - 142     | 17  | 14        |
| Trichloroethene                       | 5.7           |                  | 20.0        | 23.1       |               | ug/L |   | 87   | 63 - 135     | 2   | 17        |
| Trichlorofluoromethane                | ND            |                  | 20.0        | 20.6       |               | ug/L |   | 103  | 44 - 150     | 9   | 18        |
| Vinyl chloride                        | ND            |                  | 20.0        | 21.1       |               | ug/L |   | 106  | 57 - 150     | 8   | 17        |
| cis-1,3-Dichloropropene               | ND            |                  | 20.0        | 19.1       |               | ug/L |   | 95   | 70 - 133     | 13  | 15        |
| Styrene                               | ND            |                  | 20.0        | 18.3       |               | ug/L |   | 92   | 70 - 130     | 7   | 24        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

| Surrogate                    | MSD MSD   |           | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 1,2-Dichloroethane-d4 (Surr) | 102       |           | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 102       |           | 70 - 130 |
| Toluene-d8 (Surr)            | 104       |           | 70 - 130 |
| Dibromofluoromethane (Surr)  | 103       |           | 70 - 130 |

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

Lab Sample ID: MB 480-474679/1-A

Matrix: Water

Analysis Batch: 475171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474679

| Analyte                       | MB MB  |           | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
|                               | Result | Qualifier |     |      |      |   |                |                |         |
| 2,4,5-Trichlorophenol         | ND     |           | 5.0 | 0.48 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 5.0 | 0.61 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 5.0 | 0.51 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 5.0 | 0.50 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 10  | 2.2  | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 5.0 | 0.45 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 5.0 | 0.40 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2-Chloronaphthalene           | ND     |           | 5.0 | 0.46 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2-Chlorophenol                | ND     |           | 5.0 | 0.53 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2-Methylnaphthalene           | ND     |           | 5.0 | 0.60 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2-Methylphenol                | ND     |           | 5.0 | 0.40 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2-Nitroaniline                | ND     |           | 10  | 0.42 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2-Nitrophenol                 | ND     |           | 5.0 | 0.48 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 5.0 | 0.40 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 3-Nitroaniline                | ND     |           | 10  | 0.48 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10  | 2.2  | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 5.0 | 0.45 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 5.0 | 0.45 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 4-Chloroaniline               | ND     |           | 5.0 | 0.59 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 5.0 | 0.35 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 4-Methylphenol                | ND     |           | 10  | 0.36 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 4-Nitroaniline                | ND     |           | 10  | 0.25 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 4-Nitrophenol                 | ND     |           | 10  | 1.5  | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Acenaphthene                  | ND     |           | 5.0 | 0.41 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Acenaphthylene                | ND     |           | 5.0 | 0.38 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Acetophenone                  | ND     |           | 5.0 | 0.54 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Anthracene                    | ND     |           | 5.0 | 0.28 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Atrazine                      | ND     |           | 5.0 | 0.46 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Benzaldehyde                  | ND     |           | 5.0 | 0.27 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Benzo(a)anthracene            | ND     |           | 5.0 | 0.36 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Benzo(a)pyrene                | ND     |           | 5.0 | 0.47 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 5.0 | 0.34 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 5.0 | 0.35 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 5.0 | 0.73 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Biphenyl                      | ND     |           | 5.0 | 0.65 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 5.0 | 0.52 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.0 | 0.35 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 5.0 | 0.40 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 5.0 | 2.2  | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Butyl benzyl phthalate        | ND     |           | 5.0 | 1.0  | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

Lab Sample ID: MB 480-474679/1-A

Matrix: Water

Analysis Batch: 475171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474679

| Analyte                   | MB<br>Result | MB<br>Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------------|-----------------|-----|------|------|---|----------------|----------------|---------|
| Caprolactam               | ND           |                 | 5.0 | 2.2  | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Carbazole                 | ND           |                 | 5.0 | 0.30 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Chrysene                  | ND           |                 | 5.0 | 0.33 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Dibenz(a,h)anthracene     | ND           |                 | 5.0 | 0.42 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Dibenzofuran              | ND           |                 | 10  | 0.51 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Diethyl phthalate         | ND           |                 | 5.0 | 0.22 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Dimethyl phthalate        | ND           |                 | 5.0 | 0.36 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Di-n-butyl phthalate      | ND           |                 | 5.0 | 0.31 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Di-n-octyl phthalate      | ND           |                 | 5.0 | 0.47 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Fluoranthene              | ND           |                 | 5.0 | 0.40 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Fluorene                  | ND           |                 | 5.0 | 0.36 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Hexachlorobenzene         | ND           |                 | 5.0 | 0.51 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Hexachlorobutadiene       | ND           |                 | 5.0 | 0.68 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Hexachlorocyclopentadiene | ND           |                 | 5.0 | 0.59 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Hexachloroethane          | ND           |                 | 5.0 | 0.59 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND           |                 | 5.0 | 0.47 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Isophorone                | ND           |                 | 5.0 | 0.43 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Naphthalene               | ND           |                 | 5.0 | 0.76 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Nitrobenzene              | ND           |                 | 5.0 | 0.29 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| N-Nitrosodi-n-propylamine | ND           |                 | 5.0 | 0.54 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| N-Nitrosodiphenylamine    | ND           |                 | 5.0 | 0.51 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Pentachlorophenol         | ND           |                 | 10  | 2.2  | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Phenanthrene              | ND           |                 | 5.0 | 0.44 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Phenol                    | ND           |                 | 5.0 | 0.39 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Pyrene                    | ND           |                 | 5.0 | 0.34 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |

| Surrogate            | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 81              |                 | 41 - 120 | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2-Fluorobiphenyl     | 84              |                 | 48 - 120 | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2-Fluorophenol       | 62              |                 | 35 - 120 | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Nitrobenzene-d5      | 76              |                 | 46 - 120 | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Phenol-d5            | 47              |                 | 22 - 120 | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| p-Terphenyl-d14      | 91              |                 | 59 - 136 | 05/24/19 15:55 | 05/29/19 21:30 | 1       |

Lab Sample ID: LCS 480-474679/2-A

Matrix: Water

Analysis Batch: 475171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474679

| Analyte               | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|-----------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 2,4,5-Trichlorophenol | 32.0           | 27.5          |                  | ug/L |   | 86   | 65 - 126        |
| 2,4,6-Trichlorophenol | 32.0           | 26.3          |                  | ug/L |   | 82   | 64 - 120        |
| 2,4-Dichlorophenol    | 32.0           | 26.2          |                  | ug/L |   | 82   | 63 - 120        |
| 2,4-Dimethylphenol    | 32.0           | 26.1          |                  | ug/L |   | 82   | 47 - 120        |
| 2,4-Dinitrophenol     | 64.0           | 66.6          |                  | ug/L |   | 104  | 31 - 137        |
| 2,4-Dinitrotoluene    | 32.0           | 30.8          |                  | ug/L |   | 96   | 69 - 120        |
| 2,6-Dinitrotoluene    | 32.0           | 29.2          |                  | ug/L |   | 91   | 68 - 120        |
| 2-Chloronaphthalene   | 32.0           | 25.2          |                  | ug/L |   | 79   | 58 - 120        |
| 2-Chlorophenol        | 32.0           | 25.1          |                  | ug/L |   | 78   | 48 - 120        |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

Lab Sample ID: LCS 480-474679/2-A

Matrix: Water

Analysis Batch: 475171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474679

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 2-Methylnaphthalene           | 32.0        | 26.0       |               | ug/L |   | 81   | 59 - 120     |
| 2-Methylphenol                | 32.0        | 25.3       |               | ug/L |   | 79   | 39 - 120     |
| 2-Nitroaniline                | 32.0        | 28.6       |               | ug/L |   | 89   | 54 - 127     |
| 2-Nitrophenol                 | 32.0        | 27.4       |               | ug/L |   | 86   | 52 - 125     |
| 3,3'-Dichlorobenzidine        | 64.0        | 65.1       |               | ug/L |   | 102  | 49 - 135     |
| 3-Nitroaniline                | 32.0        | 26.4       |               | ug/L |   | 82   | 51 - 120     |
| 4,6-Dinitro-2-methylphenol    | 64.0        | 70.3       |               | ug/L |   | 110  | 46 - 136     |
| 4-Bromophenyl phenyl ether    | 32.0        | 27.6       |               | ug/L |   | 86   | 65 - 120     |
| 4-Chloro-3-methylphenol       | 32.0        | 27.2       |               | ug/L |   | 85   | 61 - 123     |
| 4-Chloroaniline               | 32.0        | 24.0       |               | ug/L |   | 75   | 30 - 120     |
| 4-Chlorophenyl phenyl ether   | 32.0        | 27.3       |               | ug/L |   | 85   | 62 - 120     |
| 4-Methylphenol                | 32.0        | 24.6       |               | ug/L |   | 77   | 29 - 131     |
| 4-Nitroaniline                | 32.0        | 30.8       |               | ug/L |   | 96   | 65 - 120     |
| 4-Nitrophenol                 | 64.0        | 49.8       |               | ug/L |   | 78   | 45 - 120     |
| Acenaphthene                  | 32.0        | 26.1       |               | ug/L |   | 82   | 60 - 120     |
| Acenaphthylene                | 32.0        | 28.0       |               | ug/L |   | 88   | 63 - 120     |
| Acetophenone                  | 32.0        | 26.2       |               | ug/L |   | 82   | 45 - 120     |
| Anthracene                    | 32.0        | 29.1       |               | ug/L |   | 91   | 67 - 120     |
| Atrazine                      | 64.0        | 69.8       |               | ug/L |   | 109  | 71 - 130     |
| Benzaldehyde                  | 64.0        | 48.3       |               | ug/L |   | 76   | 10 - 140     |
| Benzo(a)anthracene            | 32.0        | 30.1       |               | ug/L |   | 94   | 70 - 121     |
| Benzo(a)pyrene                | 32.0        | 28.7       |               | ug/L |   | 90   | 60 - 123     |
| Benzo(b)fluoranthene          | 32.0        | 31.9       |               | ug/L |   | 100  | 66 - 126     |
| Benzo(g,h,i)perylene          | 32.0        | 29.9       |               | ug/L |   | 93   | 66 - 150     |
| Benzo(k)fluoranthene          | 32.0        | 32.3       |               | ug/L |   | 101  | 65 - 124     |
| Biphenyl                      | 32.0        | 25.4       |               | ug/L |   | 80   | 59 - 120     |
| bis (2-chloroisopropyl) ether | 32.0        | 24.1       |               | ug/L |   | 75   | 21 - 136     |
| Bis(2-chloroethoxy)methane    | 32.0        | 26.1       |               | ug/L |   | 82   | 50 - 128     |
| Bis(2-chloroethyl)ether       | 32.0        | 25.4       |               | ug/L |   | 79   | 44 - 120     |
| Bis(2-ethylhexyl) phthalate   | 32.0        | 31.0       |               | ug/L |   | 97   | 63 - 139     |
| Butyl benzyl phthalate        | 32.0        | 30.9       |               | ug/L |   | 97   | 70 - 129     |
| Caprolactam                   | 64.0        | 22.6       |               | ug/L |   | 35   | 22 - 120     |
| Carbazole                     | 32.0        | 31.0       |               | ug/L |   | 97   | 66 - 123     |
| Chrysene                      | 32.0        | 30.2       |               | ug/L |   | 94   | 69 - 120     |
| Dibenz(a,h)anthracene         | 32.0        | 30.0       |               | ug/L |   | 94   | 65 - 135     |
| Dibenzofuran                  | 32.0        | 26.8       |               | ug/L |   | 84   | 66 - 120     |
| Diethyl phthalate             | 32.0        | 29.8       |               | ug/L |   | 93   | 59 - 127     |
| Dimethyl phthalate            | 32.0        | 28.4       |               | ug/L |   | 89   | 68 - 120     |
| Di-n-butyl phthalate          | 32.0        | 31.5       |               | ug/L |   | 99   | 69 - 131     |
| Di-n-octyl phthalate          | 32.0        | 31.9       |               | ug/L |   | 100  | 63 - 140     |
| Fluoranthene                  | 32.0        | 30.9       |               | ug/L |   | 96   | 69 - 126     |
| Fluorene                      | 32.0        | 27.5       |               | ug/L |   | 86   | 66 - 120     |
| Hexachlorobenzene             | 32.0        | 27.0       |               | ug/L |   | 84   | 61 - 120     |
| Hexachlorobutadiene           | 32.0        | 21.3       |               | ug/L |   | 66   | 35 - 120     |
| Hexachlorocyclopentadiene     | 32.0        | 22.4       |               | ug/L |   | 70   | 31 - 120     |
| Hexachloroethane              | 32.0        | 21.5       |               | ug/L |   | 67   | 43 - 120     |
| Indeno(1,2,3-cd)pyrene        | 32.0        | 29.7       |               | ug/L |   | 93   | 69 - 146     |
| Isophorone                    | 32.0        | 26.8       |               | ug/L |   | 84   | 55 - 120     |
| Naphthalene                   | 32.0        | 24.9       |               | ug/L |   | 78   | 57 - 120     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

Lab Sample ID: LCS 480-474679/2-A

Matrix: Water

Analysis Batch: 475171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474679

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Nitrobenzene              | 32.0        | 26.1       |               | ug/L |   | 81   | 53 - 123     |
| N-Nitrosodi-n-propylamine | 32.0        | 26.2       |               | ug/L |   | 82   | 32 - 140     |
| N-Nitrosodiphenylamine    | 32.0        | 28.1       |               | ug/L |   | 88   | 61 - 120     |
| Pentachlorophenol         | 64.0        | 60.4       |               | ug/L |   | 94   | 29 - 136     |
| Phenanthrene              | 32.0        | 27.9       |               | ug/L |   | 87   | 68 - 120     |
| Phenol                    | 32.0        | 17.9       |               | ug/L |   | 56   | 17 - 120     |
| Pyrene                    | 32.0        | 30.2       |               | ug/L |   | 94   | 70 - 125     |

| Surrogate            | LCS %Recovery | LCS Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol | 92            |               | 41 - 120 |
| 2-Fluorobiphenyl     | 80            |               | 48 - 120 |
| 2-Fluorophenol       | 64            |               | 35 - 120 |
| Nitrobenzene-d5      | 80            |               | 46 - 120 |
| Phenol-d5            | 52            |               | 22 - 120 |
| p-Terphenyl-d14      | 93            |               | 59 - 136 |

Lab Sample ID: 480-153914-3 MS

Matrix: Water

Analysis Batch: 475171

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 474679

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 2,4,5-Trichlorophenol       | ND            |                  | 32.0        | 29.6      |              | ug/L |   | 92   | 65 - 126     |
| 2,4,6-Trichlorophenol       | ND            |                  | 32.0        | 29.8      |              | ug/L |   | 93   | 64 - 120     |
| 2,4-Dichlorophenol          | ND            |                  | 32.0        | 27.4      |              | ug/L |   | 86   | 48 - 132     |
| 2,4-Dimethylphenol          | ND            |                  | 32.0        | 26.7      |              | ug/L |   | 84   | 39 - 130     |
| 2,4-Dinitrophenol           | ND            |                  | 64.0        | 74.6      |              | ug/L |   | 117  | 21 - 150     |
| 2,4-Dinitrotoluene          | ND            |                  | 32.0        | 33.4      |              | ug/L |   | 104  | 54 - 138     |
| 2,6-Dinitrotoluene          | ND            |                  | 32.0        | 31.9      |              | ug/L |   | 100  | 17 - 150     |
| 2-Chloronaphthalene         | ND            |                  | 32.0        | 27.1      |              | ug/L |   | 85   | 52 - 124     |
| 2-Chlorophenol              | ND            |                  | 32.0        | 26.1      |              | ug/L |   | 82   | 48 - 120     |
| 2-Methylnaphthalene         | ND            |                  | 32.0        | 27.4      |              | ug/L |   | 86   | 34 - 140     |
| 2-Methylphenol              | ND            |                  | 32.0        | 25.7      |              | ug/L |   | 80   | 46 - 120     |
| 2-Nitroaniline              | ND            |                  | 32.0        | 31.0      |              | ug/L |   | 97   | 44 - 136     |
| 2-Nitrophenol               | ND            |                  | 32.0        | 29.6      |              | ug/L |   | 92   | 38 - 141     |
| 3,3'-Dichlorobenzidine      | ND            |                  | 64.0        | 65.9      |              | ug/L |   | 103  | 10 - 150     |
| 3-Nitroaniline              | ND            |                  | 32.0        | 27.7      |              | ug/L |   | 87   | 32 - 150     |
| 4,6-Dinitro-2-methylphenol  | ND            |                  | 64.0        | 76.6      |              | ug/L |   | 120  | 38 - 150     |
| 4-Bromophenyl phenyl ether  | ND            |                  | 32.0        | 29.6      |              | ug/L |   | 93   | 63 - 126     |
| 4-Chloro-3-methylphenol     | ND            |                  | 32.0        | 28.8      |              | ug/L |   | 90   | 64 - 127     |
| 4-Chloroaniline             | ND            |                  | 32.0        | 23.9      |              | ug/L |   | 75   | 16 - 124     |
| 4-Chlorophenyl phenyl ether | ND            |                  | 32.0        | 29.6      |              | ug/L |   | 93   | 61 - 120     |
| 4-Methylphenol              | ND            |                  | 32.0        | 24.9      |              | ug/L |   | 78   | 36 - 120     |
| 4-Nitroaniline              | ND            |                  | 32.0        | 32.2      |              | ug/L |   | 101  | 32 - 150     |
| 4-Nitrophenol               | ND            |                  | 64.0        | 51.7      |              | ug/L |   | 81   | 23 - 132     |
| Acenaphthene                | ND            |                  | 32.0        | 28.5      |              | ug/L |   | 89   | 48 - 120     |
| Acenaphthylene              | ND            |                  | 32.0        | 30.6      |              | ug/L |   | 96   | 63 - 120     |
| Acetophenone                | ND            |                  | 32.0        | 27.2      |              | ug/L |   | 85   | 53 - 120     |
| Anthracene                  | ND            |                  | 32.0        | 30.2      |              | ug/L |   | 94   | 65 - 122     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

Lab Sample ID: 480-153914-3 MS

Matrix: Water

Analysis Batch: 475171

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 474679

| Analyte                       | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Atrazine                      | ND            |                  | 64.0        | 71.9      |              | ug/L |   | 112  | 50 - 150     |
| Benzaldehyde                  | ND            |                  | 64.0        | 48.8      |              | ug/L |   | 76   | 10 - 150     |
| Benzo(a)anthracene            | ND            |                  | 32.0        | 30.8      |              | ug/L |   | 96   | 43 - 124     |
| Benzo(a)pyrene                | ND            |                  | 32.0        | 28.2      |              | ug/L |   | 88   | 23 - 125     |
| Benzo(b)fluoranthene          | ND            |                  | 32.0        | 32.6      |              | ug/L |   | 102  | 27 - 127     |
| Benzo(g,h,i)perylene          | ND            |                  | 32.0        | 28.9      |              | ug/L |   | 90   | 16 - 147     |
| Benzo(k)fluoranthene          | ND            |                  | 32.0        | 29.7      |              | ug/L |   | 93   | 20 - 124     |
| Biphenyl                      | ND            |                  | 32.0        | 27.3      |              | ug/L |   | 85   | 57 - 120     |
| bis (2-chloroisopropyl) ether | ND            |                  | 32.0        | 24.9      |              | ug/L |   | 78   | 28 - 121     |
| Bis(2-chloroethoxy)methane    | ND            |                  | 32.0        | 27.4      |              | ug/L |   | 86   | 44 - 128     |
| Bis(2-chloroethyl)ether       | ND            |                  | 32.0        | 26.4      |              | ug/L |   | 82   | 45 - 120     |
| Bis(2-ethylhexyl) phthalate   | ND            |                  | 32.0        | 31.0      |              | ug/L |   | 97   | 16 - 150     |
| Butyl benzyl phthalate        | ND            |                  | 32.0        | 31.9      |              | ug/L |   | 100  | 51 - 140     |
| Caprolactam                   | ND            |                  | 64.0        | 23.3      |              | ug/L |   | 36   | 10 - 120     |
| Carbazole                     | ND            |                  | 32.0        | 34.2      |              | ug/L |   | 107  | 16 - 148     |
| Chrysene                      | ND            |                  | 32.0        | 30.4      |              | ug/L |   | 95   | 44 - 122     |
| Dibenz(a,h)anthracene         | ND            |                  | 32.0        | 28.7      |              | ug/L |   | 90   | 16 - 139     |
| Dibenzofuran                  | ND            |                  | 32.0        | 28.8      |              | ug/L |   | 90   | 60 - 120     |
| Diethyl phthalate             | ND            |                  | 32.0        | 32.5      |              | ug/L |   | 101  | 53 - 133     |
| Dimethyl phthalate            | ND            |                  | 32.0        | 31.2      |              | ug/L |   | 98   | 59 - 123     |
| Di-n-butyl phthalate          | ND            |                  | 32.0        | 32.1      |              | ug/L |   | 100  | 65 - 129     |
| Di-n-octyl phthalate          | ND            |                  | 32.0        | 31.7      |              | ug/L |   | 99   | 16 - 150     |
| Fluoranthene                  | ND            |                  | 32.0        | 32.5      |              | ug/L |   | 102  | 63 - 129     |
| Fluorene                      | ND            |                  | 32.0        | 29.8      |              | ug/L |   | 93   | 62 - 120     |
| Hexachlorobenzene             | ND            |                  | 32.0        | 28.8      |              | ug/L |   | 90   | 57 - 121     |
| Hexachlorobutadiene           | ND            |                  | 32.0        | 22.7      |              | ug/L |   | 71   | 37 - 120     |
| Hexachlorocyclopentadiene     | ND            |                  | 32.0        | 24.5      |              | ug/L |   | 76   | 21 - 120     |
| Hexachloroethane              | ND            |                  | 32.0        | 22.5      |              | ug/L |   | 70   | 16 - 130     |
| Indeno(1,2,3-cd)pyrene        | ND            |                  | 32.0        | 28.7      |              | ug/L |   | 90   | 16 - 140     |
| Isophorone                    | ND            |                  | 32.0        | 27.9      |              | ug/L |   | 87   | 48 - 133     |
| Naphthalene                   | ND            |                  | 32.0        | 26.3      |              | ug/L |   | 82   | 45 - 120     |
| Nitrobenzene                  | ND            |                  | 32.0        | 27.6      |              | ug/L |   | 86   | 45 - 123     |
| N-Nitrosodi-n-propylamine     | ND            |                  | 32.0        | 26.9      |              | ug/L |   | 84   | 49 - 120     |
| N-Nitrosodiphenylamine        | ND            |                  | 32.0        | 29.0      |              | ug/L |   | 91   | 39 - 138     |
| Pentachlorophenol             | ND            |                  | 64.0        | 64.9      |              | ug/L |   | 101  | 23 - 149     |
| Phenanthrene                  | ND            |                  | 32.0        | 30.1      |              | ug/L |   | 94   | 65 - 122     |
| Phenol                        | ND            |                  | 32.0        | 17.4      |              | ug/L |   | 54   | 16 - 120     |
| Pyrene                        | ND            |                  | 32.0        | 32.4      |              | ug/L |   | 101  | 58 - 128     |

| Surrogate            | MS %Recovery | MS Qualifier | Limits   |
|----------------------|--------------|--------------|----------|
| 2,4,6-Tribromophenol | 99           |              | 41 - 120 |
| 2-Fluorobiphenyl     | 85           |              | 48 - 120 |
| 2-Fluorophenol       | 64           |              | 35 - 120 |
| Nitrobenzene-d5      | 85           |              | 46 - 120 |
| Phenol-d5            | 51           |              | 22 - 120 |
| p-Terphenyl-d14      | 87           |              | 59 - 136 |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

Lab Sample ID: 480-153914-3 MSD

Matrix: Water

Analysis Batch: 475171

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 474679

| Analyte                       | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 2,4,5-Trichlorophenol         | ND            |                  | 32.0        | 31.4       |               | ug/L |   | 98   | 65 - 126     | 6   | 18        |
| 2,4,6-Trichlorophenol         | ND            |                  | 32.0        | 31.5       |               | ug/L |   | 98   | 64 - 120     | 6   | 19        |
| 2,4-Dichlorophenol            | ND            |                  | 32.0        | 29.2       |               | ug/L |   | 91   | 48 - 132     | 6   | 19        |
| 2,4-Dimethylphenol            | ND            |                  | 32.0        | 28.2       |               | ug/L |   | 88   | 39 - 130     | 5   | 42        |
| 2,4-Dinitrophenol             | ND            |                  | 64.0        | 76.3       |               | ug/L |   | 119  | 21 - 150     | 2   | 22        |
| 2,4-Dinitrotoluene            | ND            |                  | 32.0        | 34.8       |               | ug/L |   | 109  | 54 - 138     | 4   | 20        |
| 2,6-Dinitrotoluene            | ND            |                  | 32.0        | 33.6       |               | ug/L |   | 105  | 17 - 150     | 5   | 15        |
| 2-Chloronaphthalene           | ND            |                  | 32.0        | 28.5       |               | ug/L |   | 89   | 52 - 124     | 5   | 21        |
| 2-Chlorophenol                | ND            |                  | 32.0        | 27.6       |               | ug/L |   | 86   | 48 - 120     | 6   | 25        |
| 2-Methylnaphthalene           | ND            |                  | 32.0        | 29.2       |               | ug/L |   | 91   | 34 - 140     | 6   | 21        |
| 2-Methylphenol                | ND            |                  | 32.0        | 27.3       |               | ug/L |   | 85   | 46 - 120     | 6   | 27        |
| 2-Nitroaniline                | ND            |                  | 32.0        | 32.7       |               | ug/L |   | 102  | 44 - 136     | 5   | 15        |
| 2-Nitrophenol                 | ND            |                  | 32.0        | 31.2       |               | ug/L |   | 97   | 38 - 141     | 5   | 18        |
| 3,3'-Dichlorobenzidine        | ND            |                  | 64.0        | 68.0       |               | ug/L |   | 106  | 10 - 150     | 3   | 25        |
| 3-Nitroaniline                | ND            |                  | 32.0        | 28.4       |               | ug/L |   | 89   | 32 - 150     | 3   | 19        |
| 4,6-Dinitro-2-methylphenol    | ND            |                  | 64.0        | 80.2       |               | ug/L |   | 125  | 38 - 150     | 5   | 15        |
| 4-Bromophenyl phenyl ether    | ND            |                  | 32.0        | 31.2       |               | ug/L |   | 98   | 63 - 126     | 5   | 15        |
| 4-Chloro-3-methylphenol       | ND            |                  | 32.0        | 31.0       |               | ug/L |   | 97   | 64 - 127     | 7   | 27        |
| 4-Chloroaniline               | ND            |                  | 32.0        | 24.4       |               | ug/L |   | 76   | 16 - 124     | 2   | 22        |
| 4-Chlorophenyl phenyl ether   | ND            |                  | 32.0        | 31.0       |               | ug/L |   | 97   | 61 - 120     | 4   | 16        |
| 4-Methylphenol                | ND            |                  | 32.0        | 26.2       |               | ug/L |   | 82   | 36 - 120     | 5   | 24        |
| 4-Nitroaniline                | ND            |                  | 32.0        | 33.9       |               | ug/L |   | 106  | 32 - 150     | 5   | 24        |
| 4-Nitrophenol                 | ND            |                  | 64.0        | 54.6       |               | ug/L |   | 85   | 23 - 132     | 5   | 48        |
| Acenaphthene                  | ND            |                  | 32.0        | 29.6       |               | ug/L |   | 92   | 48 - 120     | 4   | 24        |
| Acenaphthylene                | ND            |                  | 32.0        | 31.9       |               | ug/L |   | 100  | 63 - 120     | 4   | 18        |
| Acetophenone                  | ND            |                  | 32.0        | 28.5       |               | ug/L |   | 89   | 53 - 120     | 5   | 20        |
| Anthracene                    | ND            |                  | 32.0        | 31.3       |               | ug/L |   | 98   | 65 - 122     | 4   | 15        |
| Atrazine                      | ND            |                  | 64.0        | 72.4       |               | ug/L |   | 113  | 50 - 150     | 1   | 20        |
| Benzaldehyde                  | ND            |                  | 64.0        | 52.4       |               | ug/L |   | 82   | 10 - 150     | 7   | 20        |
| Benzo(a)anthracene            | ND            |                  | 32.0        | 32.2       |               | ug/L |   | 101  | 43 - 124     | 5   | 15        |
| Benzo(a)pyrene                | ND            |                  | 32.0        | 28.8       |               | ug/L |   | 90   | 23 - 125     | 2   | 15        |
| Benzo(b)fluoranthene          | ND            |                  | 32.0        | 32.1       |               | ug/L |   | 100  | 27 - 127     | 2   | 15        |
| Benzo(g,h,i)perylene          | ND            |                  | 32.0        | 29.8       |               | ug/L |   | 93   | 16 - 147     | 3   | 15        |
| Benzo(k)fluoranthene          | ND            |                  | 32.0        | 32.2       |               | ug/L |   | 101  | 20 - 124     | 8   | 22        |
| Biphenyl                      | ND            |                  | 32.0        | 28.4       |               | ug/L |   | 89   | 57 - 120     | 4   | 20        |
| bis (2-chloroisopropyl) ether | ND            |                  | 32.0        | 26.4       |               | ug/L |   | 82   | 28 - 121     | 6   | 24        |
| Bis(2-chloroethoxy)methane    | ND            |                  | 32.0        | 28.9       |               | ug/L |   | 90   | 44 - 128     | 6   | 17        |
| Bis(2-chloroethyl)ether       | ND            |                  | 32.0        | 28.4       |               | ug/L |   | 89   | 45 - 120     | 7   | 21        |
| Bis(2-ethylhexyl) phthalate   | ND            |                  | 32.0        | 31.7       |               | ug/L |   | 99   | 16 - 150     | 2   | 15        |
| Butyl benzyl phthalate        | ND            |                  | 32.0        | 33.3       |               | ug/L |   | 104  | 51 - 140     | 4   | 16        |
| Caprolactam                   | ND            |                  | 64.0        | 24.7       |               | ug/L |   | 39   | 10 - 120     | 6   | 20        |
| Carbazole                     | ND            |                  | 32.0        | 35.5       |               | ug/L |   | 111  | 16 - 148     | 4   | 20        |
| Chrysene                      | ND            |                  | 32.0        | 31.4       |               | ug/L |   | 98   | 44 - 122     | 3   | 15        |
| Dibenz(a,h)anthracene         | ND            |                  | 32.0        | 29.7       |               | ug/L |   | 93   | 16 - 139     | 3   | 15        |
| Dibenzofuran                  | ND            |                  | 32.0        | 30.2       |               | ug/L |   | 94   | 60 - 120     | 5   | 15        |
| Diethyl phthalate             | ND            |                  | 32.0        | 34.2       |               | ug/L |   | 107  | 53 - 133     | 5   | 15        |
| Dimethyl phthalate            | ND            |                  | 32.0        | 32.9       |               | ug/L |   | 103  | 59 - 123     | 5   | 15        |
| Di-n-butyl phthalate          | ND            |                  | 32.0        | 32.6       |               | ug/L |   | 102  | 65 - 129     | 2   | 15        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

Lab Sample ID: 480-153914-3 MSD

Matrix: Water

Analysis Batch: 475171

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 474679

| Analyte                   | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Di-n-octyl phthalate      | ND            |                  | 32.0        | 32.5       |               | ug/L |   | 102  | 16 - 150     | 2   | 16        |
| Fluoranthene              | ND            |                  | 32.0        | 32.3       |               | ug/L |   | 101  | 63 - 129     | 1   | 15        |
| Fluorene                  | ND            |                  | 32.0        | 31.0       |               | ug/L |   | 97   | 62 - 120     | 4   | 15        |
| Hexachlorobenzene         | ND            |                  | 32.0        | 30.3       |               | ug/L |   | 95   | 57 - 121     | 5   | 15        |
| Hexachlorobutadiene       | ND            |                  | 32.0        | 24.2       |               | ug/L |   | 76   | 37 - 120     | 7   | 44        |
| Hexachlorocyclopentadiene | ND            |                  | 32.0        | 26.0       |               | ug/L |   | 81   | 21 - 120     | 6   | 49        |
| Hexachloroethane          | ND            |                  | 32.0        | 23.9       |               | ug/L |   | 75   | 16 - 130     | 6   | 46        |
| Indeno(1,2,3-cd)pyrene    | ND            |                  | 32.0        | 29.6       |               | ug/L |   | 92   | 16 - 140     | 3   | 15        |
| Isophorone                | ND            |                  | 32.0        | 29.8       |               | ug/L |   | 93   | 48 - 133     | 7   | 17        |
| Naphthalene               | ND            |                  | 32.0        | 27.7       |               | ug/L |   | 86   | 45 - 120     | 5   | 29        |
| Nitrobenzene              | ND            |                  | 32.0        | 29.2       |               | ug/L |   | 91   | 45 - 123     | 6   | 24        |
| N-Nitrosodi-n-propylamine | ND            |                  | 32.0        | 28.7       |               | ug/L |   | 90   | 49 - 120     | 6   | 31        |
| N-Nitrosodiphenylamine    | ND            |                  | 32.0        | 31.1       |               | ug/L |   | 97   | 39 - 138     | 7   | 15        |
| Pentachlorophenol         | ND            |                  | 64.0        | 69.4       |               | ug/L |   | 108  | 23 - 149     | 7   | 37        |
| Phenanthrene              | ND            |                  | 32.0        | 32.0       |               | ug/L |   | 100  | 65 - 122     | 6   | 15        |
| Phenol                    | ND            |                  | 32.0        | 18.7       |               | ug/L |   | 58   | 16 - 120     | 7   | 34        |
| Pyrene                    | ND            |                  | 32.0        | 34.2       |               | ug/L |   | 107  | 58 - 128     | 5   | 19        |

| Surrogate            | MSD %Recovery | MSD Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol | 104           |               | 41 - 120 |
| 2-Fluorobiphenyl     | 89            |               | 48 - 120 |
| 2-Fluorophenol       | 69            |               | 35 - 120 |
| Nitrobenzene-d5      | 90            |               | 46 - 120 |
| Phenol-d5            | 56            |               | 22 - 120 |
| p-Terphenyl-d14      | 90            |               | 59 - 136 |

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-474465/1-A

Matrix: Water

Analysis Batch: 475143

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474465

| Analyte          | MB Result    | MB Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND           |              | 0.20     | 0.10 | ug/L |   | 05/23/19 15:07 | 05/29/19 19:37 | 1       |
| Isotope Dilution | MB %Recovery | MB Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 32           |              | 15 - 110 |      |      |   | 05/23/19 15:07 | 05/29/19 19:37 | 1       |

Lab Sample ID: LCS 480-474465/2-A

Matrix: Water

Analysis Batch: 475143

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474465

| Analyte          | Spike Added   | LCS Result    | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------|---------------|---------------|---------------|------|---|------|--------------|
| 1,4-Dioxane      | 1.00          | 1.13          |               | ug/L |   | 113  | 40 - 140     |
| Isotope Dilution | LCS %Recovery | LCS Qualifier | Limits        |      |   |      |              |
| 1,4-Dioxane-d8   | 32            |               | 15 - 110      |      |   |      |              |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

(Continued)

Lab Sample ID: 480-153914-3 MS

Matrix: Water

Analysis Batch: 475442

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 474465

| Analyte                 | Sample Result    | Sample Qualifier | Spike Added   | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------|------------------|------------------|---------------|-----------|--------------|------|---|------|--------------|
| 1,4-Dioxane             | ND               |                  | 1.00          | 1.14      |              | ug/L |   | 114  | 40 - 140     |
| <i>MS MS</i>            |                  |                  |               |           |              |      |   |      |              |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |           |              |      |   |      |              |
| 1,4-Dioxane-d8          | 35               |                  | 15 - 110      |           |              |      |   |      |              |

Lab Sample ID: 480-153914-3 MSD

Matrix: Water

Analysis Batch: 475442

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 474465

| Analyte                 | Sample Result    | Sample Qualifier | Spike Added   | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------------------|------------------|------------------|---------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,4-Dioxane             | ND               |                  | 1.00          | 1.18       |               | ug/L |   | 118  | 40 - 140     | 3   | 20        |
| <i>MSD MSD</i>          |                  |                  |               |            |               |      |   |      |              |     |           |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |            |               |      |   |      |              |     |           |
| 1,4-Dioxane-d8          | 28               |                  | 15 - 110      |            |               |      |   |      |              |     |           |

## Method: 310.13 - Identification of Routine Petroleum Products

Lab Sample ID: MB 480-474282/1-A

Matrix: Water

Analysis Batch: 474310

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474282

| Analyte              | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND        |              | 0.20 | 0.20 | mg/L |   | 05/23/19 06:40 | 05/23/19 12:54 | 1       |
| Kerosene             | ND        |              | 0.50 | 0.50 | mg/L |   | 05/23/19 06:40 | 05/23/19 12:54 | 1       |
| Motor Oil            | ND        |              | 1.0  | 1.0  | mg/L |   | 05/23/19 06:40 | 05/23/19 12:54 | 1       |
| Fuel Oil #2          | ND        |              | 0.50 | 0.50 | mg/L |   | 05/23/19 06:40 | 05/23/19 12:54 | 1       |
| Fuel Oil #4          | ND        |              | 0.50 | 0.50 | mg/L |   | 05/23/19 06:40 | 05/23/19 12:54 | 1       |
| Fuel Oil #6          | ND        |              | 0.50 | 0.50 | mg/L |   | 05/23/19 06:40 | 05/23/19 12:54 | 1       |
| Unknown Hydrocarbons | ND        |              | 0.20 | 0.20 | mg/L |   | 05/23/19 06:40 | 05/23/19 12:54 | 1       |

Lab Sample ID: LCS 480-474282/2-A

Matrix: Water

Analysis Batch: 474310

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474282

| Analyte     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------|-------------|------------|---------------|------|---|------|--------------|
| Fuel Oil #2 | 1.50        | 1.78       |               | mg/L |   | 118  | 50 - 150     |

Lab Sample ID: 480-153914-3 MS

Matrix: Water

Analysis Batch: 474310

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 474282

| Analyte     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Fuel Oil #2 | ND            |                  | 1.46        | 1.08      |              | mg/L |   | 74   | 50 - 150     |

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

## Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-474461/1-A

Matrix: Water

Analysis Batch: 474539

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474461

| Analyte             | MB Result | MB Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND        |              | 0.050 | 0.0092 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| 4,4'-DDE            | ND        |              | 0.050 | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| 4,4'-DDT            | ND        |              | 0.050 | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Aldrin              | ND        |              | 0.050 | 0.0081 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| alpha-BHC           | ND        |              | 0.050 | 0.0077 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| cis-Chlordane       | ND        |              | 0.050 | 0.015  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| beta-BHC            | ND        |              | 0.050 | 0.025  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| delta-BHC           | ND        |              | 0.050 | 0.010  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Dieldrin            | ND        |              | 0.050 | 0.0098 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endosulfan I        | ND        |              | 0.050 | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endosulfan II       | ND        |              | 0.050 | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endosulfan sulfate  | ND        |              | 0.050 | 0.016  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endrin              | ND        |              | 0.050 | 0.014  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endrin aldehyde     | ND        |              | 0.050 | 0.016  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endrin ketone       | ND        |              | 0.050 | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| gamma-BHC (Lindane) | 0.0155    | J            | 0.050 | 0.0080 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| trans-Chlordane     | ND        |              | 0.050 | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Heptachlor          | ND        |              | 0.050 | 0.0085 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Heptachlor epoxide  | ND        |              | 0.050 | 0.0074 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Methoxychlor        | ND        |              | 0.050 | 0.014  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Toxaphene           | ND        |              | 0.50  | 0.12   | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 50           |              | 20 - 120 | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Tetrachloro-m-xylene   | 85           |              | 44 - 120 | 05/23/19 15:00 | 05/24/19 10:29 | 1       |

Lab Sample ID: LCS 480-474461/2-A

Matrix: Water

Analysis Batch: 474539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474461

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|------|---|------|--------------|
| 4,4'-DDD            | 0.400       | 0.383      |               | ug/L |   | 96   | 64 - 129     |
| 4,4'-DDE            | 0.400       | 0.313      |               | ug/L |   | 78   | 50 - 120     |
| 4,4'-DDT            | 0.400       | 0.409      |               | ug/L |   | 102  | 59 - 120     |
| Aldrin              | 0.400       | 0.237      |               | ug/L |   | 59   | 40 - 125     |
| alpha-BHC           | 0.400       | 0.272      |               | ug/L |   | 68   | 52 - 125     |
| cis-Chlordane       | 0.400       | 0.312      |               | ug/L |   | 78   | 52 - 120     |
| beta-BHC            | 0.400       | 0.323      |               | ug/L |   | 81   | 51 - 120     |
| delta-BHC           | 0.400       | 0.346      |               | ug/L |   | 87   | 51 - 120     |
| Dieldrin            | 0.400       | 0.374      |               | ug/L |   | 93   | 66 - 128     |
| Endosulfan I        | 0.400       | 0.355      |               | ug/L |   | 89   | 57 - 120     |
| Endosulfan II       | 0.400       | 0.406      |               | ug/L |   | 102  | 66 - 131     |
| Endosulfan sulfate  | 0.400       | 0.387      |               | ug/L |   | 97   | 66 - 136     |
| Endrin              | 0.400       | 0.386      |               | ug/L |   | 96   | 65 - 135     |
| Endrin aldehyde     | 0.400       | 0.288      |               | ug/L |   | 72   | 61 - 134     |
| Endrin ketone       | 0.400       | 0.422      |               | ug/L |   | 106  | 71 - 133     |
| gamma-BHC (Lindane) | 0.400       | 0.293      |               | ug/L |   | 73   | 56 - 120     |
| trans-Chlordane     | 0.400       | 0.316      |               | ug/L |   | 79   | 54 - 120     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

Lab Sample ID: LCS 480-474461/2-A

Matrix: Water

Analysis Batch: 474539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474461

| Analyte            | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------|-------------|------------|---------------|------|---|------|--------------|
| Heptachlor         | 0.400       | 0.316      |               | ug/L |   | 79   | 58 - 120     |
| Heptachlor epoxide | 0.400       | 0.337      |               | ug/L |   | 84   | 65 - 125     |
| Methoxychlor       | 0.400       | 0.427      |               | ug/L |   | 107  | 50 - 150     |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| DCB Decachlorobiphenyl | 46            |               | 20 - 120 |
| Tetrachloro-m-xylene   | 66            |               | 44 - 120 |

Lab Sample ID: 480-153914-3 MS

Matrix: Water

Analysis Batch: 474539

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 474461

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 4,4'-DDD            | ND            |                  | 0.400       | 0.348     |              | ug/L |   | 87   | 57 - 130     |
| 4,4'-DDE            | ND            |                  | 0.400       | 0.273     |              | ug/L |   | 68   | 39 - 120     |
| 4,4'-DDT            | ND            |                  | 0.400       | 0.346     |              | ug/L |   | 87   | 37 - 130     |
| Aldrin              | ND            |                  | 0.400       | 0.224     |              | ug/L |   | 56   | 39 - 125     |
| alpha-BHC           | ND            |                  | 0.400       | 0.270     |              | ug/L |   | 68   | 48 - 120     |
| cis-Chlordane       | ND            |                  | 0.400       | 0.290     |              | ug/L |   | 72   | 44 - 120     |
| beta-BHC            | ND            |                  | 0.400       | 0.318     |              | ug/L |   | 80   | 49 - 120     |
| delta-BHC           | ND            |                  | 0.400       | 0.342     |              | ug/L |   | 85   | 50 - 120     |
| Dieldrin            | ND            |                  | 0.400       | 0.372     |              | ug/L |   | 93   | 56 - 130     |
| Endosulfan I        | ND            |                  | 0.400       | 0.341     |              | ug/L |   | 85   | 40 - 126     |
| Endosulfan II       | ND            |                  | 0.400       | 0.385     |              | ug/L |   | 96   | 59 - 140     |
| Endosulfan sulfate  | ND            |                  | 0.400       | 0.371     |              | ug/L |   | 93   | 60 - 134     |
| Endrin              | ND            |                  | 0.400       | 0.376     |              | ug/L |   | 94   | 54 - 135     |
| Endrin aldehyde     | ND            |                  | 0.400       | 0.284     |              | ug/L |   | 71   | 50 - 142     |
| Endrin ketone       | ND            |                  | 0.400       | 0.400     |              | ug/L |   | 100  | 57 - 138     |
| gamma-BHC (Lindane) | ND            |                  | 0.400       | 0.288     |              | ug/L |   | 72   | 50 - 120     |
| trans-Chlordane     | ND            |                  | 0.400       | 0.291     |              | ug/L |   | 73   | 42 - 120     |
| Heptachlor          | ND            |                  | 0.400       | 0.294     |              | ug/L |   | 74   | 56 - 120     |
| Heptachlor epoxide  | ND            |                  | 0.400       | 0.327     |              | ug/L |   | 82   | 58 - 125     |
| Methoxychlor        | ND            |                  | 0.400       | 0.398     |              | ug/L |   | 100  | 40 - 150     |

| Surrogate              | MS %Recovery | MS Qualifier | Limits   |
|------------------------|--------------|--------------|----------|
| DCB Decachlorobiphenyl | 53           |              | 20 - 120 |
| Tetrachloro-m-xylene   | 60           |              | 44 - 120 |

Lab Sample ID: 480-153914-3 MSD

Matrix: Water

Analysis Batch: 474539

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 474461

| Analyte   | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 4,4'-DDD  | ND            |                  | 0.400       | 0.376      |               | ug/L |   | 94   | 57 - 130     | 8   | 23        |
| 4,4'-DDE  | ND            |                  | 0.400       | 0.285      |               | ug/L |   | 71   | 39 - 120     | 4   | 22        |
| 4,4'-DDT  | ND            |                  | 0.400       | 0.361      |               | ug/L |   | 90   | 37 - 130     | 4   | 24        |
| Aldrin    | ND            |                  | 0.400       | 0.256      |               | ug/L |   | 64   | 39 - 125     | 13  | 25        |
| alpha-BHC | ND            |                  | 0.400       | 0.300      |               | ug/L |   | 75   | 48 - 120     | 10  | 24        |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

Lab Sample ID: 480-153914-3 MSD

Matrix: Water

Analysis Batch: 474539

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 474461

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| cis-Chlordane       | ND            |                  | 0.400       | 0.324      |               | ug/L |   | 81   | 44 - 120     | 11  | 23        |
| beta-BHC            | ND            |                  | 0.400       | 0.376      |               | ug/L |   | 94   | 49 - 120     | 17  | 24        |
| delta-BHC           | ND            |                  | 0.400       | 0.390      |               | ug/L |   | 97   | 50 - 120     | 13  | 24        |
| Dieldrin            | ND            |                  | 0.400       | 0.416      |               | ug/L |   | 104  | 56 - 130     | 11  | 24        |
| Endosulfan I        | ND            |                  | 0.400       | 0.388      |               | ug/L |   | 97   | 40 - 126     | 13  | 30        |
| Endosulfan II       | ND            |                  | 0.400       | 0.436      |               | ug/L |   | 109  | 59 - 140     | 12  | 40        |
| Endosulfan sulfate  | ND            |                  | 0.400       | 0.423      |               | ug/L |   | 106  | 60 - 134     | 13  | 24        |
| Endrin              | ND            |                  | 0.400       | 0.418      |               | ug/L |   | 104  | 54 - 135     | 11  | 24        |
| Endrin aldehyde     | ND            |                  | 0.400       | 0.319      |               | ug/L |   | 80   | 50 - 142     | 12  | 28        |
| Endrin ketone       | ND            |                  | 0.400       | 0.452      |               | ug/L |   | 113  | 57 - 138     | 12  | 26        |
| gamma-BHC (Lindane) | ND            |                  | 0.400       | 0.326      |               | ug/L |   | 81   | 50 - 120     | 12  | 24        |
| trans-Chlordane     | ND            |                  | 0.400       | 0.322      |               | ug/L |   | 80   | 42 - 120     | 10  | 24        |
| Heptachlor          | ND            |                  | 0.400       | 0.327      |               | ug/L |   | 82   | 56 - 120     | 10  | 25        |
| Heptachlor epoxide  | ND            |                  | 0.400       | 0.369      |               | ug/L |   | 92   | 58 - 125     | 12  | 23        |
| Methoxychlor        | ND            |                  | 0.400       | 0.436      |               | ug/L |   | 109  | 40 - 150     | 9   | 26        |

| Surrogate              | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| DCB Decachlorobiphenyl | 55            |               | 20 - 120 |
| Tetrachloro-m-xylene   | 67            |               | 44 - 120 |

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

Lab Sample ID: MB 480-475155/1-A

Matrix: Water

Analysis Batch: 475349

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475155

| Analyte  | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| PCB-1016 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1221 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1232 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1242 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1248 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1254 | ND        |              | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1260 | ND        |              | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1262 | ND        |              | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1268 | ND        |              | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 75           |              | 39 - 121 | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| DCB Decachlorobiphenyl | 58           |              | 19 - 120 | 05/29/19 15:43 | 05/30/19 14:33 | 1       |

Lab Sample ID: LCS 480-475155/2-A

Matrix: Water

Analysis Batch: 475349

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475155

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| PCB-1016 | 4.00        | 3.16       |               | ug/L |   | 79   | 62 - 130     |
| PCB-1260 | 4.00        | 2.73       |               | ug/L |   | 68   | 56 - 123     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

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

Lab Sample ID: LCS 480-475155/2-A

Matrix: Water

Analysis Batch: 475349

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475155

|                        | LCS       | LCS       |          |
|------------------------|-----------|-----------|----------|
| Surrogate              | %Recovery | Qualifier | Limits   |
| Tetrachloro-m-xylene   | 62        |           | 39 - 121 |
| DCB Decachlorobiphenyl | 40        |           | 19 - 120 |

Lab Sample ID: 480-153914-3 MS

Matrix: Water

Analysis Batch: 475349

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 475155

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| PCB-1016 | ND            |                  | 4.00        | 4.17      |              | ug/L |   | 104  | 28 - 150     |
| PCB-1260 | ND            |                  | 4.00        | 3.20      |              | ug/L |   | 80   | 25 - 131     |

|                        | MS        | MS        |          |
|------------------------|-----------|-----------|----------|
| Surrogate              | %Recovery | Qualifier | Limits   |
| Tetrachloro-m-xylene   | 85        |           | 39 - 121 |
| DCB Decachlorobiphenyl | 58        |           | 19 - 120 |

Lab Sample ID: 480-153914-3 MSD

Matrix: Water

Analysis Batch: 475349

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 475155

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| PCB-1016 | ND            |                  | 4.00        | 2.77       |               | ug/L |   | 69   | 28 - 150     | 40  | 50        |
| PCB-1260 | ND            |                  | 4.00        | 2.22       |               | ug/L |   | 55   | 25 - 131     | 36  | 50        |

|                        | MSD       | MSD       |          |
|------------------------|-----------|-----------|----------|
| Surrogate              | %Recovery | Qualifier | Limits   |
| Tetrachloro-m-xylene   | 53        |           | 39 - 121 |
| DCB Decachlorobiphenyl | 44        |           | 19 - 120 |

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-474385/1-A

Matrix: Water

Analysis Batch: 475089

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474385

| Analyte   | MB Result | MB Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND        |              | 0.20   | 0.060   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Antimony  | ND        |              | 0.020  | 0.0068  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Arsenic   | ND        |              | 0.015  | 0.0056  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Barium    | ND        |              | 0.0020 | 0.00070 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Beryllium | ND        |              | 0.0020 | 0.00030 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Cadmium   | ND        |              | 0.0020 | 0.00050 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Calcium   | ND        |              | 0.50   | 0.10    | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Chromium  | ND        |              | 0.0040 | 0.0010  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Cobalt    | ND        |              | 0.0040 | 0.00063 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Copper    | ND        |              | 0.010  | 0.0016  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Iron      | ND        |              | 0.050  | 0.019   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Lead      | ND        |              | 0.010  | 0.0030  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Magnesium | ND        |              | 0.20   | 0.043   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Manganese | 0.000600  | J            | 0.0030 | 0.00040 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-474385/1-A

Matrix: Water

Analysis Batch: 475089

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474385

| Analyte   | MB<br>Result | MB<br>Qualifier | RL     | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------------|-----------------|--------|--------|------|---|----------------|----------------|---------|
| Nickel    | ND           |                 | 0.010  | 0.0013 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Potassium | ND           |                 | 0.50   | 0.10   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Selenium  | ND           |                 | 0.025  | 0.0087 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Silver    | ND           |                 | 0.0060 | 0.0017 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Sodium    | ND           |                 | 1.0    | 0.32   | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Thallium  | ND           |                 | 0.020  | 0.010  | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Vanadium  | ND           |                 | 0.0050 | 0.0015 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |
| Zinc      | ND           |                 | 0.010  | 0.0015 | mg/L |   | 05/24/19 07:41 | 05/29/19 04:01 | 1       |

Lab Sample ID: LCS 480-474385/2-A

Matrix: Water

Analysis Batch: 475089

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474385

| Analyte   | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|-----------|----------------|---------------|------------------|------|---|------|-----------------|
| Aluminum  | 10.0           | 10.23         |                  | mg/L |   | 102  | 80 - 120        |
| Antimony  | 0.200          | 0.229         |                  | mg/L |   | 114  | 80 - 120        |
| Arsenic   | 0.200          | 0.211         |                  | mg/L |   | 105  | 80 - 120        |
| Barium    | 0.200          | 0.225         |                  | mg/L |   | 112  | 80 - 120        |
| Beryllium | 0.200          | 0.214         |                  | mg/L |   | 107  | 80 - 120        |
| Cadmium   | 0.200          | 0.208         |                  | mg/L |   | 104  | 80 - 120        |
| Calcium   | 10.0           | 10.01         |                  | mg/L |   | 100  | 80 - 120        |
| Chromium  | 0.200          | 0.206         |                  | mg/L |   | 103  | 80 - 120        |
| Cobalt    | 0.200          | 0.196         |                  | mg/L |   | 98   | 80 - 120        |
| Copper    | 0.200          | 0.208         |                  | mg/L |   | 104  | 80 - 120        |
| Iron      | 10.0           | 10.40         |                  | mg/L |   | 104  | 80 - 120        |
| Lead      | 0.200          | 0.199         |                  | mg/L |   | 100  | 80 - 120        |
| Magnesium | 10.0           | 10.04         |                  | mg/L |   | 100  | 80 - 120        |
| Manganese | 0.200          | 0.204         |                  | mg/L |   | 102  | 80 - 120        |
| Nickel    | 0.200          | 0.205         |                  | mg/L |   | 102  | 80 - 120        |
| Potassium | 10.0           | 10.02         |                  | mg/L |   | 100  | 80 - 120        |
| Selenium  | 0.200          | 0.207         |                  | mg/L |   | 104  | 80 - 120        |
| Silver    | 0.0500         | 0.0521        |                  | mg/L |   | 104  | 80 - 120        |
| Sodium    | 10.0           | 9.71          |                  | mg/L |   | 97   | 80 - 120        |
| Thallium  | 0.200          | 0.208         |                  | mg/L |   | 104  | 80 - 120        |
| Vanadium  | 0.200          | 0.205         |                  | mg/L |   | 102  | 80 - 120        |
| Zinc      | 0.200          | 0.203         |                  | mg/L |   | 101  | 80 - 120        |

Lab Sample ID: 480-153914-3 MS

Matrix: Water

Analysis Batch: 475089

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 474385

| Analyte   | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|-----------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|-----------------|
| Aluminum  | ND               |                     | 10.0           | 10.02        |                 | mg/L |   | 100  | 75 - 125        |
| Antimony  | ND               |                     | 0.200          | 0.231        |                 | mg/L |   | 115  | 75 - 125        |
| Arsenic   | 0.012            | J                   | 0.200          | 0.221        |                 | mg/L |   | 104  | 75 - 125        |
| Barium    | 0.045            |                     | 0.200          | 0.247        |                 | mg/L |   | 101  | 75 - 125        |
| Beryllium | ND               |                     | 0.200          | 0.212        |                 | mg/L |   | 106  | 75 - 125        |
| Cadmium   | ND               |                     | 0.200          | 0.207        |                 | mg/L |   | 103  | 75 - 125        |
| Calcium   | 89.9             |                     | 10.0           | 85.04        | 4               | mg/L |   | -49  | 75 - 125        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-153914-3 MS

Matrix: Water

Analysis Batch: 475089

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 474385

| Analyte   | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Chromium  | ND            |                  | 0.200       | 0.202     |              | mg/L |   | 101  | 75 - 125     |
| Cobalt    | 0.00075       | J                | 0.200       | 0.197     |              | mg/L |   | 98   | 75 - 125     |
| Copper    | 0.0060        | J                | 0.200       | 0.209     |              | mg/L |   | 101  | 75 - 125     |
| Iron      | 0.047         | J                | 10.0        | 10.02     |              | mg/L |   | 100  | 75 - 125     |
| Lead      | ND            |                  | 0.200       | 0.199     |              | mg/L |   | 99   | 75 - 125     |
| Magnesium | 13.8          | F1               | 10.0        | 21.08     | F1           | mg/L |   | 73   | 75 - 125     |
| Manganese | 0.025         | B                | 0.200       | 0.214     |              | mg/L |   | 94   | 75 - 125     |
| Nickel    | 0.046         |                  | 0.200       | 0.243     |              | mg/L |   | 99   | 75 - 125     |
| Potassium | 3.2           |                  | 10.0        | 12.86     |              | mg/L |   | 96   | 75 - 125     |
| Selenium  | ND            |                  | 0.200       | 0.208     |              | mg/L |   | 104  | 75 - 125     |
| Silver    | ND            |                  | 0.0500      | 0.0514    |              | mg/L |   | 103  | 75 - 125     |
| Sodium    | 108           |                  | 10.0        | 125.0     | 4            | mg/L |   | 170  | 75 - 125     |
| Thallium  | ND            |                  | 0.200       | 0.204     |              | mg/L |   | 102  | 75 - 125     |
| Vanadium  | ND            |                  | 0.200       | 0.202     |              | mg/L |   | 101  | 75 - 125     |
| Zinc      | 0.0085        | J                | 0.200       | 0.204     |              | mg/L |   | 98   | 75 - 125     |

Lab Sample ID: 480-153914-3 MSD

Matrix: Water

Analysis Batch: 475089

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 474385

| Analyte   | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Aluminum  | ND            |                  | 10.0        | 9.97       |               | mg/L |   | 100  | 75 - 125     | 0   | 20        |
| Antimony  | ND            |                  | 0.200       | 0.227      |               | mg/L |   | 113  | 75 - 125     | 2   | 20        |
| Arsenic   | 0.012         | J                | 0.200       | 0.224      |               | mg/L |   | 106  | 75 - 125     | 1   | 20        |
| Barium    | 0.045         |                  | 0.200       | 0.264      |               | mg/L |   | 109  | 75 - 125     | 6   | 20        |
| Beryllium | ND            |                  | 0.200       | 0.209      |               | mg/L |   | 104  | 75 - 125     | 2   | 20        |
| Cadmium   | ND            |                  | 0.200       | 0.205      |               | mg/L |   | 102  | 75 - 125     | 1   | 20        |
| Calcium   | 89.9          |                  | 10.0        | 101.0      | 4             | mg/L |   | 111  | 75 - 125     | 17  | 20        |
| Chromium  | ND            |                  | 0.200       | 0.200      |               | mg/L |   | 100  | 75 - 125     | 1   | 20        |
| Cobalt    | 0.00075       | J                | 0.200       | 0.196      |               | mg/L |   | 98   | 75 - 125     | 0   | 20        |
| Copper    | 0.0060        | J                | 0.200       | 0.209      |               | mg/L |   | 102  | 75 - 125     | 0   | 20        |
| Iron      | 0.047         | J                | 10.0        | 9.99       |               | mg/L |   | 99   | 75 - 125     | 0   | 20        |
| Lead      | ND            |                  | 0.200       | 0.198      |               | mg/L |   | 99   | 75 - 125     | 0   | 20        |
| Magnesium | 13.8          | F1               | 10.0        | 23.56      |               | mg/L |   | 98   | 75 - 125     | 11  | 20        |
| Manganese | 0.025         | B                | 0.200       | 0.216      |               | mg/L |   | 95   | 75 - 125     | 1   | 20        |
| Nickel    | 0.046         |                  | 0.200       | 0.245      |               | mg/L |   | 100  | 75 - 125     | 1   | 20        |
| Potassium | 3.2           |                  | 10.0        | 13.29      |               | mg/L |   | 101  | 75 - 125     | 3   | 20        |
| Selenium  | ND            |                  | 0.200       | 0.209      |               | mg/L |   | 105  | 75 - 125     | 1   | 20        |
| Silver    | ND            |                  | 0.0500      | 0.0514     |               | mg/L |   | 103  | 75 - 125     | 0   | 20        |
| Sodium    | 108           |                  | 10.0        | 114.5      | 4             | mg/L |   | 65   | 75 - 125     | 9   | 20        |
| Thallium  | ND            |                  | 0.200       | 0.201      |               | mg/L |   | 101  | 75 - 125     | 1   | 20        |
| Vanadium  | ND            |                  | 0.200       | 0.200      |               | mg/L |   | 100  | 75 - 125     | 1   | 20        |
| Zinc      | 0.0085        | J                | 0.200       | 0.208      |               | mg/L |   | 100  | 75 - 125     | 2   | 20        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-474810/1-A

Matrix: Water

Analysis Batch: 474821

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474810

| Analyte | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------------|-----------------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND           |                 | 0.00020 | 0.00012 | mg/L |   | 05/26/19 13:15 | 05/26/19 15:39 | 1       |

Lab Sample ID: LCS 480-474810/2-A

Matrix: Water

Analysis Batch: 474821

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474810

| Analyte | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------|----------------|---------------|------------------|------|---|------|-----------------|
| Mercury | 0.00667        | 0.00717       |                  | mg/L |   | 107  | 80 - 120        |

Lab Sample ID: 480-153914-3 MS

Matrix: Water

Analysis Batch: 474821

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 474810

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|-----------------|
| Mercury | ND               |                     | 0.00667        | 0.00680      |                 | mg/L |   | 102  | 80 - 120        |

Lab Sample ID: 480-153914-3 MSD

Matrix: Water

Analysis Batch: 474821

Client Sample ID: LMW-01-GW

Prep Type: Total/NA

Prep Batch: 474810

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|---------|------------------|---------------------|----------------|---------------|------------------|------|---|------|-----------------|-----|--------------|
| Mercury | ND               |                     | 0.00667        | 0.00688       |                  | mg/L |   | 103  | 80 - 120        | 1   | 20           |

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

## GC/MS VOA

### Analysis Batch: 597525

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 480-153914-1      | MW-02-GW               | Total/NA  | Water  | 8260C  |            |
| 480-153914-2      | MW-2-02-GW             | Total/NA  | Water  | 8260C  |            |
| 480-153914-3      | LMW-01-GW              | Total/NA  | Water  | 8260C  |            |
| 480-153914-4      | MW-07-GW               | Total/NA  | Water  | 8260C  |            |
| MB 490-597525/7   | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 490-597525/3  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 490-597525/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |
| 480-153914-3 MS   | LMW-01-GW              | Total/NA  | Water  | 8260C  |            |
| 480-153914-3 MSD  | LMW-01-GW              | Total/NA  | Water  | 8260C  |            |

## GC/MS Semi VOA

### Prep Batch: 474465

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153914-1       | MW-02-GW           | Total/NA  | Water  | 3510C  |            |
| 480-153914-2       | MW-2-02-GW         | Total/NA  | Water  | 3510C  |            |
| 480-153914-3       | LMW-01-GW          | Total/NA  | Water  | 3510C  |            |
| MB 480-474465/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-474465/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |
| 480-153914-3 MS    | LMW-01-GW          | Total/NA  | Water  | 3510C  |            |
| 480-153914-3 MSD   | LMW-01-GW          | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 474679

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153914-1       | MW-02-GW           | Total/NA  | Water  | 3510C  |            |
| 480-153914-2       | MW-2-02-GW         | Total/NA  | Water  | 3510C  |            |
| 480-153914-3       | LMW-01-GW          | Total/NA  | Water  | 3510C  |            |
| MB 480-474679/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-474679/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |
| 480-153914-3 MS    | LMW-01-GW          | Total/NA  | Water  | 3510C  |            |
| 480-153914-3 MSD   | LMW-01-GW          | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 475143

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method       | Prep Batch |
|--------------------|--------------------|-----------|--------|--------------|------------|
| 480-153914-1       | MW-02-GW           | Total/NA  | Water  | 8270D SIM ID | 474465     |
| MB 480-474465/1-A  | Method Blank       | Total/NA  | Water  | 8270D SIM ID | 474465     |
| LCS 480-474465/2-A | Lab Control Sample | Total/NA  | Water  | 8270D SIM ID | 474465     |

### Analysis Batch: 475171

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153914-1       | MW-02-GW           | Total/NA  | Water  | 8270D  | 474679     |
| 480-153914-2       | MW-2-02-GW         | Total/NA  | Water  | 8270D  | 474679     |
| 480-153914-3       | LMW-01-GW          | Total/NA  | Water  | 8270D  | 474679     |
| MB 480-474679/1-A  | Method Blank       | Total/NA  | Water  | 8270D  | 474679     |
| LCS 480-474679/2-A | Lab Control Sample | Total/NA  | Water  | 8270D  | 474679     |
| 480-153914-3 MS    | LMW-01-GW          | Total/NA  | Water  | 8270D  | 474679     |
| 480-153914-3 MSD   | LMW-01-GW          | Total/NA  | Water  | 8270D  | 474679     |

### Analysis Batch: 475442

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 480-153914-2  | MW-2-02-GW       | Total/NA  | Water  | 8270D SIM ID | 474465     |

Eurofins TestAmerica, Buffalo

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

## GC/MS Semi VOA (Continued)

### Analysis Batch: 475442 (Continued)

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|------------------|------------------|-----------|--------|--------------|------------|
| 480-153914-3     | LMW-01-GW        | Total/NA  | Water  | 8270D SIM ID | 474465     |
| 480-153914-3 MS  | LMW-01-GW        | Total/NA  | Water  | 8270D SIM ID | 474465     |
| 480-153914-3 MSD | LMW-01-GW        | Total/NA  | Water  | 8270D SIM ID | 474465     |

## GC Semi VOA

### Prep Batch: 474282

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153914-1       | MW-02-GW           | Total/NA  | Water  | 3510C  |            |
| 480-153914-2       | MW-2-02-GW         | Total/NA  | Water  | 3510C  |            |
| 480-153914-3       | LMW-01-GW          | Total/NA  | Water  | 3510C  |            |
| MB 480-474282/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-474282/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |
| 480-153914-3 MS    | LMW-01-GW          | Total/NA  | Water  | 3510C  |            |
| 480-153914-3 MSD   | LMW-01-GW          | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 474310

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153914-1       | MW-02-GW           | Total/NA  | Water  | 310.13 | 474282     |
| 480-153914-3       | LMW-01-GW          | Total/NA  | Water  | 310.13 | 474282     |
| MB 480-474282/1-A  | Method Blank       | Total/NA  | Water  | 310.13 | 474282     |
| LCS 480-474282/2-A | Lab Control Sample | Total/NA  | Water  | 310.13 | 474282     |
| 480-153914-3 MS    | LMW-01-GW          | Total/NA  | Water  | 310.13 | 474282     |
| 480-153914-3 MSD   | LMW-01-GW          | Total/NA  | Water  | 310.13 | 474282     |

### Prep Batch: 474461

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153914-1       | MW-02-GW           | Total/NA  | Water  | 3510C  |            |
| 480-153914-2       | MW-2-02-GW         | Total/NA  | Water  | 3510C  |            |
| 480-153914-3       | LMW-01-GW          | Total/NA  | Water  | 3510C  |            |
| MB 480-474461/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-474461/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |
| 480-153914-3 MS    | LMW-01-GW          | Total/NA  | Water  | 3510C  |            |
| 480-153914-3 MSD   | LMW-01-GW          | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 474537

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 480-153914-2  | MW-2-02-GW       | Total/NA  | Water  | 310.13 | 474282     |

### Analysis Batch: 474539

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153914-1       | MW-02-GW           | Total/NA  | Water  | 8081B  | 474461     |
| 480-153914-2       | MW-2-02-GW         | Total/NA  | Water  | 8081B  | 474461     |
| 480-153914-3       | LMW-01-GW          | Total/NA  | Water  | 8081B  | 474461     |
| MB 480-474461/1-A  | Method Blank       | Total/NA  | Water  | 8081B  | 474461     |
| LCS 480-474461/2-A | Lab Control Sample | Total/NA  | Water  | 8081B  | 474461     |
| 480-153914-3 MS    | LMW-01-GW          | Total/NA  | Water  | 8081B  | 474461     |
| 480-153914-3 MSD   | LMW-01-GW          | Total/NA  | Water  | 8081B  | 474461     |

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

## GC Semi VOA

### Prep Batch: 475155

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153914-1       | MW-02-GW           | Total/NA  | Water  | 3510C  |            |
| 480-153914-2       | MW-2-02-GW         | Total/NA  | Water  | 3510C  |            |
| 480-153914-3       | LMW-01-GW          | Total/NA  | Water  | 3510C  |            |
| MB 480-475155/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-475155/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |
| 480-153914-3 MS    | LMW-01-GW          | Total/NA  | Water  | 3510C  |            |
| 480-153914-3 MSD   | LMW-01-GW          | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 475349

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153914-1       | MW-02-GW           | Total/NA  | Water  | 8082A  | 475155     |
| 480-153914-2       | MW-2-02-GW         | Total/NA  | Water  | 8082A  | 475155     |
| 480-153914-3       | LMW-01-GW          | Total/NA  | Water  | 8082A  | 475155     |
| MB 480-475155/1-A  | Method Blank       | Total/NA  | Water  | 8082A  | 475155     |
| LCS 480-475155/2-A | Lab Control Sample | Total/NA  | Water  | 8082A  | 475155     |
| 480-153914-3 MS    | LMW-01-GW          | Total/NA  | Water  | 8082A  | 475155     |
| 480-153914-3 MSD   | LMW-01-GW          | Total/NA  | Water  | 8082A  | 475155     |

## Metals

### Prep Batch: 474385

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153914-1       | MW-02-GW           | Total/NA  | Water  | 3005A  |            |
| 480-153914-2       | MW-2-02-GW         | Total/NA  | Water  | 3005A  |            |
| 480-153914-3       | LMW-01-GW          | Total/NA  | Water  | 3005A  |            |
| 480-153914-4       | MW-07-GW           | Total/NA  | Water  | 3005A  |            |
| MB 480-474385/1-A  | Method Blank       | Total/NA  | Water  | 3005A  |            |
| LCS 480-474385/2-A | Lab Control Sample | Total/NA  | Water  | 3005A  |            |
| 480-153914-3 MS    | LMW-01-GW          | Total/NA  | Water  | 3005A  |            |
| 480-153914-3 MSD   | LMW-01-GW          | Total/NA  | Water  | 3005A  |            |

### Prep Batch: 474810

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153914-1       | MW-02-GW           | Total/NA  | Water  | 7470A  |            |
| 480-153914-2       | MW-2-02-GW         | Total/NA  | Water  | 7470A  |            |
| 480-153914-3       | LMW-01-GW          | Total/NA  | Water  | 7470A  |            |
| 480-153914-4       | MW-07-GW           | Total/NA  | Water  | 7470A  |            |
| MB 480-474810/1-A  | Method Blank       | Total/NA  | Water  | 7470A  |            |
| LCS 480-474810/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  |            |
| 480-153914-3 MS    | LMW-01-GW          | Total/NA  | Water  | 7470A  |            |
| 480-153914-3 MSD   | LMW-01-GW          | Total/NA  | Water  | 7470A  |            |

### Analysis Batch: 474821

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153914-1       | MW-02-GW           | Total/NA  | Water  | 7470A  | 474810     |
| 480-153914-2       | MW-2-02-GW         | Total/NA  | Water  | 7470A  | 474810     |
| 480-153914-3       | LMW-01-GW          | Total/NA  | Water  | 7470A  | 474810     |
| 480-153914-4       | MW-07-GW           | Total/NA  | Water  | 7470A  | 474810     |
| MB 480-474810/1-A  | Method Blank       | Total/NA  | Water  | 7470A  | 474810     |
| LCS 480-474810/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  | 474810     |
| 480-153914-3 MS    | LMW-01-GW          | Total/NA  | Water  | 7470A  | 474810     |

Eurofins TestAmerica, Buffalo



## QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153914-1

### Metals (Continued)

#### Analysis Batch: 474821 (Continued)

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| 480-153914-3 MSD | LMW-01-GW        | Total/NA  | Water  | 7470A  | 474810     |

#### Analysis Batch: 475089

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153914-1       | MW-02-GW           | Total/NA  | Water  | 6010C  | 474385     |
| 480-153914-2       | MW-2-02-GW         | Total/NA  | Water  | 6010C  | 474385     |
| 480-153914-3       | LMW-01-GW          | Total/NA  | Water  | 6010C  | 474385     |
| 480-153914-4       | MW-07-GW           | Total/NA  | Water  | 6010C  | 474385     |
| MB 480-474385/1-A  | Method Blank       | Total/NA  | Water  | 6010C  | 474385     |
| LCS 480-474385/2-A | Lab Control Sample | Total/NA  | Water  | 6010C  | 474385     |
| 480-153914-3 MS    | LMW-01-GW          | Total/NA  | Water  | 6010C  | 474385     |
| 480-153914-3 MSD   | LMW-01-GW          | Total/NA  | Water  | 6010C  | 474385     |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

**Client Sample ID: MW-02-GW**

**Lab Sample ID: 480-153914-1**

**Date Collected: 05/21/19 09:10**

**Matrix: Water**

**Date Received: 05/21/19 14:40**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 597525       | 05/24/19 19:47       | AK1     | TAL NSH |
| Total/NA  | Prep       | 3510C        |     |                 | 474679       | 05/24/19 15:55       | AAP     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 475171       | 05/30/19 01:21       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474465       | 05/23/19 15:07       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 10              | 475143       | 05/30/19 00:23       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474282       | 05/23/19 07:24       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 474310       | 05/23/19 17:43       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474461       | 05/23/19 15:00       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 474539       | 05/24/19 13:26       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475155       | 05/29/19 15:43       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 475349       | 05/30/19 16:12       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 474385       | 05/24/19 07:41       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 475089       | 05/29/19 04:19       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 474810       | 05/26/19 13:15       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 474821       | 05/26/19 15:58       | BMB     | TAL BUF |

**Client Sample ID: MW-2-02-GW**

**Lab Sample ID: 480-153914-2**

**Date Collected: 05/21/19 10:40**

**Matrix: Water**

**Date Received: 05/21/19 14:40**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 597525       | 05/24/19 20:14       | AK1     | TAL NSH |
| Total/NA  | Prep       | 3510C        |     |                 | 474679       | 05/24/19 15:55       | AAP     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 475171       | 05/30/19 01:49       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474465       | 05/23/19 15:07       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 1               | 475442       | 05/30/19 22:14       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474282       | 05/23/19 07:24       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 20              | 474537       | 05/24/19 10:13       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474461       | 05/23/19 15:00       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 2               | 474539       | 05/24/19 13:45       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475155       | 05/29/19 15:43       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 475349       | 05/30/19 16:25       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 474385       | 05/24/19 07:41       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 475089       | 05/29/19 04:23       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 474810       | 05/26/19 13:15       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 474821       | 05/26/19 16:00       | BMB     | TAL BUF |

**Client Sample ID: LMW-01-GW**

**Lab Sample ID: 480-153914-3**

**Date Collected: 05/21/19 12:00**

**Matrix: Water**

**Date Received: 05/21/19 14:40**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 597525       | 05/24/19 20:40       | AK1     | TAL NSH |
| Total/NA  | Prep       | 3510C        |     |                 | 474679       | 05/24/19 15:55       | AAP     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 475171       | 05/30/19 00:23       | PJQ     | TAL BUF |

Eurofins TestAmerica, Buffalo

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

**Client Sample ID: LMW-01-GW**

**Lab Sample ID: 480-153914-3**

**Date Collected: 05/21/19 12:00**

**Matrix: Water**

**Date Received: 05/21/19 14:40**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 474465       | 05/23/19 15:07       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 1               | 475442       | 05/30/19 19:05       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474282       | 05/23/19 06:40       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 474310       | 05/23/19 15:19       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474461       | 05/23/19 15:00       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 474539       | 05/24/19 11:48       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475155       | 05/29/19 15:43       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 475349       | 05/30/19 15:23       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 474385       | 05/24/19 07:41       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 475089       | 05/29/19 04:27       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 474810       | 05/26/19 13:15       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 474821       | 05/26/19 16:01       | BMB     | TAL BUF |

**Client Sample ID: MW-07-GW**

**Lab Sample ID: 480-153914-4**

**Date Collected: 05/21/19 12:00**

**Matrix: Water**

**Date Received: 05/21/19 14:40**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 597525       | 05/24/19 21:06       | AK1     | TAL NSH |
| Total/NA  | Prep       | 3005A        |     |                 | 474385       | 05/24/19 07:41       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 475089       | 05/29/19 04:45       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 474810       | 05/26/19 13:15       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 474821       | 05/26/19 16:06       | BMB     | TAL BUF |

## Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

# Accreditation/Certification Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

## Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | EPA Region | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|-----------------------|-----------------|
| New York                                                                                                                                                                                              | NELAP       | 2          | 10026                 | 03-31-20        |
| 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               |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Fuel Oil #2           |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Fuel Oil #4           |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Fuel Oil #6           |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Gasoline              |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Kerosene              |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Motor Oil             |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Unknown Hydrocarbons  |                 |

## Laboratory: Eurofins TestAmerica, Nashville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority              | Program       | EPA Region | Identification Number | Expiration Date |
|------------------------|---------------|------------|-----------------------|-----------------|
| A2LA                   | ISO/IEC 17025 |            | 0453.07               | 12-31-19        |
| Alaska (UST)           | State Program | 10         | UST-087               | 06-30-19        |
| Arizona                | State Program | 9          | AZ0473                | 05-05-20        |
| Arkansas DEQ           | State Program | 6          | 88-0737               | 04-25-20        |
| California             | State Program | 9          | 2938                  | 06-30-19        |
| Connecticut            | State Program | 1          | PH-0220               | 12-31-19        |
| Florida                | NELAP         | 4          | E87358                | 06-30-19        |
| Georgia                | State Program | 4          | NA: NELAP & A2LA      | 12-31-19        |
| Illinois               | NELAP         | 5          | 200010                | 12-09-19        |
| Iowa                   | State Program | 7          | 131                   | 04-01-20        |
| Kansas                 | NELAP         | 7          | E-10229               | 10-31-19        |
| Kentucky (UST)         | State Program | 4          | 19                    | 06-30-19        |
| Kentucky (WW)          | State Program | 4          | 90038                 | 12-31-19        |
| Louisiana              | NELAP         | 6          | 30613                 | 06-30-19        |
| Maine                  | State Program | 1          | TN00032               | 11-03-19        |
| Maryland               | State Program | 3          | 316                   | 03-31-20        |
| Massachusetts          | State Program | 1          | M-TN032               | 06-30-19        |
| Minnesota              | NELAP         | 5          | 047-999-345           | 12-31-19        |
| Mississippi            | State Program | 4          | N/A                   | 06-30-19        |
| Nevada                 | State Program | 9          | TN00032               | 07-31-19        |
| New Hampshire          | NELAP         | 1          | 2963                  | 10-09-19        |
| New Jersey             | NELAP         | 2          | TN965                 | 06-30-19        |
| New York               | NELAP         | 2          | 11342                 | 03-31-20        |
| North Carolina (WW/SW) | State Program | 4          | 387                   | 12-31-19        |
| North Dakota           | State Program | 8          | R-146                 | 06-30-19        |
| Oklahoma               | State Program | 6          | 9412                  | 08-31-19        |
| Oregon                 | NELAP         | 10         | TN200001              | 04-26-19 *      |
| Pennsylvania           | NELAP         | 3          | 68-00585              | 07-31-19        |
| Rhode Island           | State Program | 1          | LAO00268              | 12-30-19        |
| South Carolina         | State Program | 4          | 84009 (001)           | 02-28-19 *      |
| Tennessee              | State Program | 4          | 2008                  | 02-23-20        |
| Texas                  | NELAP         | 6          | T104704077            | 08-31-19        |
| USDA                   | Federal       |            | P330-13-00306         | 04-10-20        |
| Utah                   | NELAP         | 8          | TN00032               | 07-31-19        |

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Buffalo

## Accreditation/Certification Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

### Laboratory: Eurofins TestAmerica, Nashville (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority         | Program       | EPA Region | Identification Number | Expiration Date |
|-------------------|---------------|------------|-----------------------|-----------------|
| Virginia          | NELAP         | 3          | 460152                | 06-14-19        |
| Washington        | State Program | 10         | C789                  | 07-19-19        |
| West Virginia DEP | State Program | 3          | 219                   | 02-28-20        |
| Wisconsin         | State Program | 5          | 998020430             | 08-31-19        |
| Wyoming (UST)     | A2LA          | 8          | 453.07                | 12-31-19        |

## Method Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

| Method       | Method Description                                            | Protocol | Laboratory |
|--------------|---------------------------------------------------------------|----------|------------|
| 8260C        | Volatile Organic Compounds by GC/MS                           | SW846    | TAL NSH    |
| 8270D        | Semivolatile Organic Compounds (GC/MS)                        | SW846    | TAL BUF    |
| 8270D SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | TAL BUF    |
| 310.13       | Identification of Routine Petroleum Products                  | NYASP    | TAL BUF    |
| 8081B        | Organochlorine Pesticides (GC)                                | SW846    | TAL BUF    |
| 8082A        | Polychlorinated Biphenyls (PCBs) by Gas Chromatography        | SW846    | TAL BUF    |
| 6010C        | Metals (ICP)                                                  | SW846    | TAL BUF    |
| 7470A        | Mercury (CVAA)                                                | SW846    | TAL BUF    |
| 3005A        | Preparation, Total Metals                                     | SW846    | TAL BUF    |
| 3510C        | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | TAL BUF    |
| 5030C        | Purge and Trap                                                | SW846    | TAL NSH    |
| 7470A        | Preparation, Mercury                                          | SW846    | TAL BUF    |

### Protocol References:

NYASP = New York Analytical Services Protocol

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

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

## Sample Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153914-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 480-153914-1  | MW-02-GW         | Water  | 05/21/19 09:10 | 05/21/19 14:40 |          |
| 480-153914-2  | MW-2-02-GW       | Water  | 05/21/19 10:40 | 05/21/19 14:40 |          |
| 480-153914-3  | LMW-01-GW        | Water  | 05/21/19 12:00 | 05/21/19 14:40 |          |
| 480-153914-4  | MW-07-GW         | Water  | 05/21/19 12:00 | 05/21/19 14:40 |          |



314864

TestAmerica

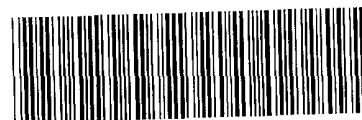
THE LEADER IN ENVIRONMENTAL TESTING  
**TestAmerica Laboratories, Inc.**

TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:[illegible]



## COOLER RECEIPT FORM



480-153914 Chain of Custody

Cooler Received/Opened On 5/24/2019 @ 0955

Time Samples Removed From Cooler 1222 Time Samples Placed In Storage 1228 (2 Hour Window)

1. Tracking # 8283 (last 4 digits, FedEx) Courier: FedEx  
IR Gun ID 17960353 pH Strip Lot NA Chlorine Strip Lot NA

2. Temperature of rep. sample or temp blank when opened: 4.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES NO...NA

If yes, how many and where: 1 on front

5. Were the seals intact, signed, and dated correctly? YES NO...NA

6. Were custody papers inside cooler? YES NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) GH

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES NO...NA

12. Did all container labels and tags agree with custody papers? YES NO...NA

13a. Were VOA vials received? YES NO...NA

b. Was there any observable headspace present in any VOA vial? YES NO...NA



Larger than this.

14. Was there a Trip Blank in this cooler? YES NO...NA If multiple coolers, sequence #

I certify that I unloaded the cooler and answered questions 7-14 (initial) GH

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES NO...NA

16. Was residual chlorine present? YES NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) GH

17. Were custody papers properly filled out (ink, signed, etc)? YES NO...NA

18. Did you sign the custody papers in the appropriate place? YES NO...NA

19. Were correct containers used for the analysis requested? YES NO...NA

20. Was sufficient amount of sample sent in each container? YES NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) GH

I certify that I attached a label with the unique LIMS number to each container (initial) GH

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES NO...#

Phone: 716-691-2600 Fax: 716-691-7991

## Chain of Custody Record

Loc: 480

153914

eurofins

Environmental Testing  
TestAmerica

[illegible]

## Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-153914-1

Login Number: 153914

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Maddux, Ann

| 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   |         |
| Samples received within 48 hours of sampling.                                    | True   |         |
| Samples requiring field filtration have been filtered in the field.              | True   |         |
| Chlorine Residual checked.                                                       | N/A    |         |

# Isotope Dilution Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-153914-1

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

### Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID   | DXE      |  |  |  |  |  |
|--------------------|--------------------|----------|--|--|--|--|--|
|                    |                    | (15-110) |  |  |  |  |  |
| 480-153914-1       | MW-02-GW           | 25       |  |  |  |  |  |
| 480-153914-2       | MW-2-02-GW         | 30       |  |  |  |  |  |
| 480-153914-3       | LMW-01-GW          | 24       |  |  |  |  |  |
| 480-153914-3 MS    | LMW-01-GW          | 35       |  |  |  |  |  |
| 480-153914-3 MSD   | LMW-01-GW          | 28       |  |  |  |  |  |
| LCS 480-474465/2-A | Lab Control Sample | 32       |  |  |  |  |  |
| MB 480-474465/1-A  | Method Blank       | 32       |  |  |  |  |  |

### Surrogate Legend

DXE = 1,4-Dioxane-d8

## ANALYTICAL REPORT

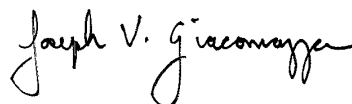
Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-153957-1  
Client Project/Site: Vibratex #915165

For:

New York State D.E.C.  
270 Michigan Avenue  
Buffalo, New York 14203

Attn: Mr. Maurice Moore



Authorized for release by:  
6/10/2019 11:15:49 AM

Joe Giacomazza, Project Management Assistant II  
[joe.giacomazza@testamericainc.com](mailto:joe.giacomazza@testamericainc.com)

Designee for

Orlette Johnson, Senior Project Manager  
(484)685-0864  
[orlette.johnson@testamericainc.com](mailto:orlette.johnson@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

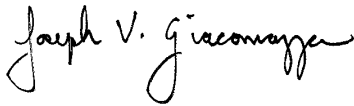
*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail 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.*

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



---

Joe Giacomazza  
Project Management Assistant II  
6/10/2019 11:15:49 AM

# Table of Contents

|                                    |    |
|------------------------------------|----|
| Cover Page . . . . .               | 1  |
| Table of Contents . . . . .        | 3  |
| Definitions . . . . .              | 4  |
| Case Narrative . . . . .           | 5  |
| Detection Summary . . . . .        | 7  |
| Client Sample Results . . . . .    | 9  |
| Surrogate Summary . . . . .        | 26 |
| QC Sample Results . . . . .        | 28 |
| QC Association . . . . .           | 46 |
| Chronicle . . . . .                | 49 |
| Certification Summary . . . . .    | 51 |
| Method Summary . . . . .           | 52 |
| Sample Summary . . . . .           | 53 |
| Chain of Custody . . . . .         | 54 |
| Receipt Checklists . . . . .       | 55 |
| Isotope Dilution Summary . . . . . | 56 |



# Definitions/Glossary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

## Qualifiers

### GC/MS 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/MS Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| E         | Result exceeded calibration range.                                                                             |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| X         | Surrogate is outside control limits                                                                            |

### 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. |

## Metals

| 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. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| 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)                                                                             |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| PQL            | Practical Quantitation Limit                                                                                |
| 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)                                                                       |



# Case Narrative

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

## Job ID: 480-153957-1

### Laboratory: Eurofins TestAmerica, Buffalo

#### Narrative

#### Job Narrative 480-153957-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/22/2019 3:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.9° C.

#### Receipt Exceptions

per client revert back to the original COC ID reference: MW-01-10

#### GC/MS VOA

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-11-03 (480-153957-5) and MW-13-03 (480-153957-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-03-10 (480-153957-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-11-03 (480-153957-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Surrogate recovery for the continuing calibration verification (CCV) associated with batch 480-475674 recovered outside the upper control limit: (CCV 480-475674/4). Due to holding time limitations the samples were not reanalyzed.

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: 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: MW-07-94 (480-153957-1). These results have been reported and qualified.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: MW-07-94 (480-153957-1) and MW-11-03 (480-153957-5). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following sample required a dilution due to the nature of the sample matrix: MW-11-03 (480-153957-5). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270D SIM ID: The 1,4-Dioxane result reported for sample MW-11-03 (480-153957-5) 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(s) 8270D SIM ID: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-11-03 (480-153957-5). 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 Semi VOA

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix: MW-11-03 (480-153957-5). 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.

## Case Narrative

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

---

### Job ID: 480-153957-1 (Continued)

---

#### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

##### Metals

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

##### Organic Prep

Method(s) 3510C: The following sample required a Florisil clean-up, via 3620C, to reduce matrix interferences: MW-11-03 (480-153957-5).

Method(s) 3510C: Elevated reporting limits are provided for the following sample due to insufficient sample provided for preparation: MW-11-03 (480-153957-5).

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: Vibratex #915165

Job ID: 480-153957-1

## Client Sample ID: MW-07-94

## Lab Sample ID: 480-153957-1

No Detections.

## Client Sample ID: MW-03-10

## Lab Sample ID: 480-153957-2

| Analyte            | Result | Qualifier | RL  | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|--------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| 1,1-Dichloroethane | 2.1    | J         | 5.0 | 1.9  | ug/L | 5       |   | 8260C  | Total/NA  |
| Carbon disulfide   | 1.1    | J B       | 5.0 | 0.95 | ug/L | 5       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-02-10

## Lab Sample ID: 480-153957-3

| Analyte               | Result | Qualifier | RL  | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| 1,1,1-Trichloroethane | 1.9    |           | 1.0 | 0.82 | ug/L | 1       |   | 8260C  | Total/NA  |
| 1,1-Dichloroethane    | 0.63   | J         | 1.0 | 0.38 | ug/L | 1       |   | 8260C  | Total/NA  |
| Chloroform            | 0.97   | J         | 1.0 | 0.34 | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene       | 1.3    |           | 1.0 | 0.46 | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-01-10

## Lab Sample ID: 480-153957-4

| Analyte          | Result | Qualifier | RL  | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Acetone          | 3.6    | J         | 10  | 3.0  | ug/L | 1       |   | 8260C  | Total/NA  |
| Carbon disulfide | 0.27   | J B       | 1.0 | 0.19 | ug/L | 1       |   | 8260C  | Total/NA  |
| Chloroform       | 0.93   | J         | 1.0 | 0.34 | ug/L | 1       |   | 8260C  | Total/NA  |
| Trichloroethene  | 0.67   | J         | 1.0 | 0.46 | ug/L | 1       |   | 8260C  | Total/NA  |

## Client Sample ID: MW-11-03

## Lab Sample ID: 480-153957-5

| Analyte                 | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method       | Prep Type |
|-------------------------|--------|-----------|--------|---------|------|---------|---|--------------|-----------|
| 1,1,1-Trichloroethane   | 59     |           | 2.0    | 1.6     | ug/L | 2       |   | 8260C        | Total/NA  |
| 1,1-Dichloroethene      | 2.4    |           | 2.0    | 0.58    | ug/L | 2       |   | 8260C        | Total/NA  |
| Benzene                 | 6.4    |           | 2.0    | 0.82    | ug/L | 2       |   | 8260C        | Total/NA  |
| Chloroethane            | 63     |           | 2.0    | 0.64    | ug/L | 2       |   | 8260C        | Total/NA  |
| cis-1,2-Dichloroethene  | 6.2    |           | 2.0    | 1.6     | ug/L | 2       |   | 8260C        | Total/NA  |
| Cyclohexane             | 5.7    |           | 2.0    | 0.36    | ug/L | 2       |   | 8260C        | Total/NA  |
| Methylcyclohexane       | 1.7    | J         | 2.0    | 0.32    | ug/L | 2       |   | 8260C        | Total/NA  |
| Trichloroethene         | 2.3    |           | 2.0    | 0.92    | ug/L | 2       |   | 8260C        | Total/NA  |
| Vinyl chloride          | 5.4    |           | 2.0    | 1.8     | ug/L | 2       |   | 8260C        | Total/NA  |
| 1,1-Dichloroethane - DL | 260    |           | 5.0    | 1.9     | ug/L | 5       |   | 8260C        | Total/NA  |
| 1,4-Dioxane             | 20     | E         | 2.0    | 1.0     | ug/L | 10      |   | 8270D SIM ID | Total/NA  |
| Benzo(a)pyrene          | 15     | J         | 140    | 13      | ug/L | 20      |   | 8270D        | Total/NA  |
| Benzo(b)fluoranthene    | 20     | J         | 140    | 9.4     | ug/L | 20      |   | 8270D        | Total/NA  |
| Benzo(g,h,i)perylene    | 15     | J         | 140    | 9.7     | ug/L | 20      |   | 8270D        | Total/NA  |
| Chrysene                | 15     | J         | 140    | 9.2     | ug/L | 20      |   | 8270D        | Total/NA  |
| Fluoranthene            | 25     | J         | 140    | 11      | ug/L | 20      |   | 8270D        | Total/NA  |
| Indeno(1,2,3-cd)pyrene  | 15     | J         | 140    | 13      | ug/L | 20      |   | 8270D        | Total/NA  |
| Pyrene                  | 19     | J         | 140    | 9.4     | ug/L | 20      |   | 8270D        | Total/NA  |
| Motor Oil               | 1.0    |           | 1.0    | 1.0     | mg/L | 1       |   | 310.13       | Total/NA  |
| Unknown Hydrocarbons    | 0.84   |           | 0.20   | 0.20    | mg/L | 1       |   | 310.13       | Total/NA  |
| 4,4'-DDT                | 0.033  | J         | 0.10   | 0.022   | ug/L | 2       |   | 8081B        | Total/NA  |
| Barium                  | 0.093  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C        | Total/NA  |
| Calcium                 | 127    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Iron                    | 0.029  | J         | 0.050  | 0.019   | mg/L | 1       |   | 6010C        | Total/NA  |
| Magnesium               | 22.2   |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C        | Total/NA  |
| Manganese               | 0.42   | B         | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C        | Total/NA  |
| Nickel                  | 0.0018 | J         | 0.010  | 0.0013  | mg/L | 1       |   | 6010C        | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

## Detection Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

### Client Sample ID: MW-11-03 (Continued)

Lab Sample ID: 480-153957-5

| Analyte   | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Potassium | 8.8    |           | 0.50 | 0.10 | mg/L | 1       |   | 6010C  | Total/NA  |
| Sodium    | 41.7   |           | 1.0  | 0.32 | mg/L | 1       |   | 6010C  | Total/NA  |

### Client Sample ID: MW-13-03

Lab Sample ID: 480-153957-6

| Analyte                | Result | Qualifier | RL  | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| 1,1,1-Trichloroethane  | 12     |           | 2.0 | 1.6  | ug/L | 2       |   | 8260C  | Total/NA  |
| 1,1-Dichloroethane     | 2.7    |           | 2.0 | 0.76 | ug/L | 2       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene | 19     |           | 2.0 | 1.6  | ug/L | 2       |   | 8260C  | Total/NA  |
| Trichloroethene        | 43     |           | 2.0 | 0.92 | ug/L | 2       |   | 8260C  | Total/NA  |

### Client Sample ID: MW-01-94

Lab Sample ID: 480-153957-7

| Analyte         | Result | Qualifier | RL  | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Trichloroethene | 0.96   | J         | 1.0 | 0.46 | ug/L | 1       |   | 8260C  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

Client Sample ID: MW-07-94

Lab Sample ID: 480-153957-1

Date Collected: 05/22/19 09:30

Matrix: Water

Date Received: 05/22/19 15:00

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

| Analyte                       | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 25 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 25 | 3.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 25 | 2.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 25 | 2.5 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 50 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 25 | 2.2 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 25 | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 2-Chloronaphthalene           | ND     |           | 25 | 2.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 2-Chlorophenol                | ND     |           | 25 | 2.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 2-Methylnaphthalene           | ND     |           | 25 | 3.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 2-Methylphenol                | ND     |           | 25 | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 2-Nitroaniline                | ND     |           | 50 | 2.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 2-Nitrophenol                 | ND     |           | 25 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 25 | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 3-Nitroaniline                | ND     |           | 50 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 50 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 25 | 2.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 25 | 2.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 4-Chloroaniline               | ND     |           | 25 | 3.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 4-Methylphenol                | ND     |           | 50 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 4-Nitroaniline                | ND     |           | 50 | 1.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 4-Nitrophenol                 | ND     |           | 50 | 7.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Acenaphthene                  | ND     |           | 25 | 2.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Acenaphthylene                | ND     |           | 25 | 1.9 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Acetophenone                  | ND     |           | 25 | 2.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Anthracene                    | ND     |           | 25 | 1.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Atrazine                      | ND     |           | 25 | 2.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Benzaldehyde                  | ND     |           | 25 | 1.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Benzo(a)anthracene            | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Benzo(a)pyrene                | ND     |           | 25 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Benzo(b)fluoranthene          | ND     |           | 25 | 1.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Benzo(g,h,i)perylene          | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 25 | 3.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Biphenyl                      | ND     |           | 25 | 3.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 25 | 2.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 25 | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 25 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Butyl benzyl phthalate        | ND     |           | 25 | 5.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Caprolactam                   | ND     |           | 25 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Carbazole                     | ND     |           | 25 | 1.5 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Chrysene                      | ND     |           | 25 | 1.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 25 | 2.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Dibenzofuran                  | ND     |           | 50 | 2.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Diethyl phthalate             | ND     |           | 25 | 1.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Dimethyl phthalate            | ND     |           | 25 | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Di-n-butyl phthalate          | ND     |           | 25 | 1.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Di-n-octyl phthalate          | ND     |           | 25 | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

Client Sample ID: MW-07-94

Lab Sample ID: 480-153957-1

Date Collected: 05/22/19 09:30

Matrix: Water

Date Received: 05/22/19 15:00

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

| Analyte                   | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| Fluoranthene              | ND        |           | 25       | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Fluorene                  | ND        |           | 25       | 1.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Hexachlorobenzene         | ND        |           | 25       | 2.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Hexachlorobutadiene       | ND        |           | 25       | 3.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Hexachlorocyclopentadiene | ND        |           | 25       | 3.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Hexachloroethane          | ND        |           | 25       | 3.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Indeno(1,2,3-cd)pyrene    | ND        |           | 25       | 2.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Isophorone                | ND        |           | 25       | 2.2 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Naphthalene               | ND        |           | 25       | 3.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Nitrobenzene              | ND        |           | 25       | 1.5 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| N-Nitrosodi-n-propylamine | ND        |           | 25       | 2.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| N-Nitrosodiphenylamine    | ND        |           | 25       | 2.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Pentachlorophenol         | ND        |           | 50       | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Phenanthrene              | ND        |           | 25       | 2.2 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Phenol                    | ND        |           | 25       | 2.0 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Pyrene                    | ND        |           | 25       | 1.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Surrogate                 | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 2,4,6-Tribromophenol      | 58        |           | 41 - 120 |     |      |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 2-Fluorobiphenyl          | 68        |           | 48 - 120 |     |      |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| 2-Fluorophenol            | 54        |           | 35 - 120 |     |      |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Nitrobenzene-d5           | 61        |           | 46 - 120 |     |      |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| Phenol-d5                 | 41        |           | 22 - 120 |     |      |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |
| p-Terphenyl-d14           | 55        | X         | 59 - 136 |     |      |   | 05/24/19 15:55 | 05/30/19 04:13 | 5       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

Client Sample ID: MW-03-10

Lab Sample ID: 480-153957-2

Date Collected: 05/22/19 10:43

Matrix: Water

Date Received: 05/22/19 15:00

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

| Analyte                               | Result | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND     |           | 5.0 | 4.1  | ug/L |   |          | 05/31/19 11:16 | 5       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 5.0 | 1.1  | ug/L |   |          | 05/31/19 11:16 | 5       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 5.0 | 1.6  | ug/L |   |          | 05/31/19 11:16 | 5       |
| 1,1,2-Trichloroethane                 | ND     |           | 5.0 | 1.2  | ug/L |   |          | 05/31/19 11:16 | 5       |
| 1,1-Dichloroethane                    | 2.1    | J         | 5.0 | 1.9  | ug/L |   |          | 05/31/19 11:16 | 5       |
| 1,1-Dichloroethene                    | ND     |           | 5.0 | 1.5  | ug/L |   |          | 05/31/19 11:16 | 5       |
| 1,2,4-Trichlorobenzene                | ND     |           | 5.0 | 2.1  | ug/L |   |          | 05/31/19 11:16 | 5       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 5.0 | 2.0  | ug/L |   |          | 05/31/19 11:16 | 5       |
| 1,2-Dibromoethane                     | ND     |           | 5.0 | 3.7  | ug/L |   |          | 05/31/19 11:16 | 5       |
| 1,2-Dichlorobenzene                   | ND     |           | 5.0 | 4.0  | ug/L |   |          | 05/31/19 11:16 | 5       |
| 1,2-Dichloroethane                    | ND     |           | 5.0 | 1.1  | ug/L |   |          | 05/31/19 11:16 | 5       |
| 1,2-Dichloropropane                   | ND     |           | 5.0 | 3.6  | ug/L |   |          | 05/31/19 11:16 | 5       |
| 1,3-Dichlorobenzene                   | ND     |           | 5.0 | 3.9  | ug/L |   |          | 05/31/19 11:16 | 5       |
| 1,4-Dichlorobenzene                   | ND     |           | 5.0 | 4.2  | ug/L |   |          | 05/31/19 11:16 | 5       |
| 2-Butanone (MEK)                      | ND     |           | 50  | 6.6  | ug/L |   |          | 05/31/19 11:16 | 5       |
| 2-Hexanone                            | ND     |           | 25  | 6.2  | ug/L |   |          | 05/31/19 11:16 | 5       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 25  | 11   | ug/L |   |          | 05/31/19 11:16 | 5       |
| Acetone                               | ND     |           | 50  | 15   | ug/L |   |          | 05/31/19 11:16 | 5       |
| Benzene                               | ND     |           | 5.0 | 2.1  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Bromodichloromethane                  | ND     |           | 5.0 | 2.0  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Bromoform                             | ND     |           | 5.0 | 1.3  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Bromomethane                          | ND     |           | 5.0 | 3.5  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Carbon disulfide                      | 1.1    | J B       | 5.0 | 0.95 | ug/L |   |          | 05/31/19 11:16 | 5       |
| Carbon tetrachloride                  | ND     |           | 5.0 | 1.4  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Chlorobenzene                         | ND     |           | 5.0 | 3.8  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Chloroethane                          | ND     |           | 5.0 | 1.6  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Chloroform                            | ND     |           | 5.0 | 1.7  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Chloromethane                         | ND     |           | 5.0 | 1.8  | ug/L |   |          | 05/31/19 11:16 | 5       |
| cis-1,2-Dichloroethene                | ND     |           | 5.0 | 4.1  | ug/L |   |          | 05/31/19 11:16 | 5       |
| cis-1,3-Dichloropropene               | ND     |           | 5.0 | 1.8  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Cyclohexane                           | ND     |           | 5.0 | 0.90 | ug/L |   |          | 05/31/19 11:16 | 5       |
| Dibromochloromethane                  | ND     |           | 5.0 | 1.6  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Dichlorodifluoromethane               | ND     |           | 5.0 | 3.4  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Ethylbenzene                          | ND     |           | 5.0 | 3.7  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Isopropylbenzene                      | ND     |           | 5.0 | 4.0  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Methyl acetate                        | ND     |           | 13  | 6.5  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Methyl tert-butyl ether               | ND     |           | 5.0 | 0.80 | ug/L |   |          | 05/31/19 11:16 | 5       |
| Methylcyclohexane                     | ND     |           | 5.0 | 0.80 | ug/L |   |          | 05/31/19 11:16 | 5       |
| Methylene Chloride                    | ND     |           | 5.0 | 2.2  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Styrene                               | ND     |           | 5.0 | 3.7  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Tetrachloroethene                     | ND     |           | 5.0 | 1.8  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Toluene                               | ND     |           | 5.0 | 2.6  | ug/L |   |          | 05/31/19 11:16 | 5       |
| trans-1,2-Dichloroethene              | ND     |           | 5.0 | 4.5  | ug/L |   |          | 05/31/19 11:16 | 5       |
| trans-1,3-Dichloropropene             | ND     |           | 5.0 | 1.9  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Trichloroethene                       | ND     |           | 5.0 | 2.3  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Trichlorofluoromethane                | ND     |           | 5.0 | 4.4  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Vinyl chloride                        | ND     |           | 5.0 | 4.5  | ug/L |   |          | 05/31/19 11:16 | 5       |
| Xylenes, Total                        | ND     |           | 10  | 3.3  | ug/L |   |          | 05/31/19 11:16 | 5       |
| t-Butyl alcohol                       | ND     |           | 50  | 17   | ug/L |   |          | 05/31/19 11:16 | 5       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

**Client Sample ID: MW-03-10**

**Lab Sample ID: 480-153957-2**

**Date Collected: 05/22/19 10:43**

**Matrix: Water**

**Date Received: 05/22/19 15:00**

| <i>Surrogate</i>             | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|------------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| 1,2-Dichloroethane-d4 (Surr) | 99               |                  | 77 - 120      |                 | 05/31/19 11:16  | 5              |
| 4-Bromofluorobenzene (Surr)  | 102              |                  | 73 - 120      |                 | 05/31/19 11:16  | 5              |
| Dibromofluoromethane (Surr)  | 88               |                  | 75 - 123      |                 | 05/31/19 11:16  | 5              |
| Toluene-d8 (Surr)            | 102              |                  | 80 - 120      |                 | 05/31/19 11:16  | 5              |



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

Client Sample ID: MW-02-10

Lab Sample ID: 480-153957-3

Date Collected: 05/22/19 10:59

Matrix: Water

Date Received: 05/22/19 15:00

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

| Analyte                               | Result        | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|---------------|-----------|-----|------|------|---|----------|----------------|---------|
| <b>1,1,1-Trichloroethane</b>          | <b>1.9</b>    |           | 1.0 | 0.82 | ug/L |   |          | 05/31/19 11:43 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND            |           | 1.0 | 0.21 | ug/L |   |          | 05/31/19 11:43 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |           | 1.0 | 0.31 | ug/L |   |          | 05/31/19 11:43 | 1       |
| 1,1,2-Trichloroethane                 | ND            |           | 1.0 | 0.23 | ug/L |   |          | 05/31/19 11:43 | 1       |
| <b>1,1-Dichloroethane</b>             | <b>0.63 J</b> |           | 1.0 | 0.38 | ug/L |   |          | 05/31/19 11:43 | 1       |
| 1,1-Dichloroethene                    | ND            |           | 1.0 | 0.29 | ug/L |   |          | 05/31/19 11:43 | 1       |
| 1,2,4-Trichlorobenzene                | ND            |           | 1.0 | 0.41 | ug/L |   |          | 05/31/19 11:43 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND            |           | 1.0 | 0.39 | ug/L |   |          | 05/31/19 11:43 | 1       |
| 1,2-Dibromoethane                     | ND            |           | 1.0 | 0.73 | ug/L |   |          | 05/31/19 11:43 | 1       |
| 1,2-Dichlorobenzene                   | ND            |           | 1.0 | 0.79 | ug/L |   |          | 05/31/19 11:43 | 1       |
| 1,2-Dichloroethane                    | ND            |           | 1.0 | 0.21 | ug/L |   |          | 05/31/19 11:43 | 1       |
| 1,2-Dichloropropane                   | ND            |           | 1.0 | 0.72 | ug/L |   |          | 05/31/19 11:43 | 1       |
| 1,3-Dichlorobenzene                   | ND            |           | 1.0 | 0.78 | ug/L |   |          | 05/31/19 11:43 | 1       |
| 1,4-Dichlorobenzene                   | ND            |           | 1.0 | 0.84 | ug/L |   |          | 05/31/19 11:43 | 1       |
| 2-Butanone (MEK)                      | ND            |           | 10  | 1.3  | ug/L |   |          | 05/31/19 11:43 | 1       |
| 2-Hexanone                            | ND            |           | 5.0 | 1.2  | ug/L |   |          | 05/31/19 11:43 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND            |           | 5.0 | 2.1  | ug/L |   |          | 05/31/19 11:43 | 1       |
| Acetone                               | ND            |           | 10  | 3.0  | ug/L |   |          | 05/31/19 11:43 | 1       |
| Benzene                               | ND            |           | 1.0 | 0.41 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Bromodichloromethane                  | ND            |           | 1.0 | 0.39 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Bromoform                             | ND            |           | 1.0 | 0.26 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Bromomethane                          | ND            |           | 1.0 | 0.69 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Carbon disulfide                      | ND            |           | 1.0 | 0.19 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Carbon tetrachloride                  | ND            |           | 1.0 | 0.27 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Chlorobenzene                         | ND            |           | 1.0 | 0.75 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Chloroethane                          | ND            |           | 1.0 | 0.32 | ug/L |   |          | 05/31/19 11:43 | 1       |
| <b>Chloroform</b>                     | <b>0.97 J</b> |           | 1.0 | 0.34 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Chloromethane                         | ND            |           | 1.0 | 0.35 | ug/L |   |          | 05/31/19 11:43 | 1       |
| cis-1,2-Dichloroethene                | ND            |           | 1.0 | 0.81 | ug/L |   |          | 05/31/19 11:43 | 1       |
| cis-1,3-Dichloropropene               | ND            |           | 1.0 | 0.36 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Cyclohexane                           | ND            |           | 1.0 | 0.18 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Dibromochloromethane                  | ND            |           | 1.0 | 0.32 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Dichlorodifluoromethane               | ND            |           | 1.0 | 0.68 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Ethylbenzene                          | ND            |           | 1.0 | 0.74 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Isopropylbenzene                      | ND            |           | 1.0 | 0.79 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Methyl acetate                        | ND            |           | 2.5 | 1.3  | ug/L |   |          | 05/31/19 11:43 | 1       |
| Methyl tert-butyl ether               | ND            |           | 1.0 | 0.16 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Methylcyclohexane                     | ND            |           | 1.0 | 0.16 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Methylene Chloride                    | ND            |           | 1.0 | 0.44 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Styrene                               | ND            |           | 1.0 | 0.73 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Tetrachloroethene                     | ND            |           | 1.0 | 0.36 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Toluene                               | ND            |           | 1.0 | 0.51 | ug/L |   |          | 05/31/19 11:43 | 1       |
| trans-1,2-Dichloroethene              | ND            |           | 1.0 | 0.90 | ug/L |   |          | 05/31/19 11:43 | 1       |
| trans-1,3-Dichloropropene             | ND            |           | 1.0 | 0.37 | ug/L |   |          | 05/31/19 11:43 | 1       |
| <b>Trichloroethene</b>                | <b>1.3</b>    |           | 1.0 | 0.46 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Trichlorofluoromethane                | ND            |           | 1.0 | 0.88 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Vinyl chloride                        | ND            |           | 1.0 | 0.90 | ug/L |   |          | 05/31/19 11:43 | 1       |
| Xylenes, Total                        | ND            |           | 2.0 | 0.66 | ug/L |   |          | 05/31/19 11:43 | 1       |
| t-Butyl alcohol                       | ND            |           | 10  | 3.3  | ug/L |   |          | 05/31/19 11:43 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

**Client Sample ID: MW-02-10**

**Lab Sample ID: 480-153957-3**

**Date Collected: 05/22/19 10:59**

**Matrix: Water**

**Date Received: 05/22/19 15:00**

| <i>Surrogate</i>             | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|------------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| 1,2-Dichloroethane-d4 (Surr) | 100              |                  | 77 - 120      |                 | 05/31/19 11:43  | 1              |
| 4-Bromofluorobenzene (Surr)  | 104              |                  | 73 - 120      |                 | 05/31/19 11:43  | 1              |
| Dibromofluoromethane (Surr)  | 92               |                  | 75 - 123      |                 | 05/31/19 11:43  | 1              |
| Toluene-d8 (Surr)            | 104              |                  | 80 - 120      |                 | 05/31/19 11:43  | 1              |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

Client Sample ID: MW-01-10

Lab Sample ID: 480-153957-4

Date Collected: 05/22/19 11:12

Matrix: Water

Date Received: 05/22/19 15:00

## 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 |   |          | 05/31/19 12:09 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.21 | ug/L |   |          | 05/31/19 12:09 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.31 | ug/L |   |          | 05/31/19 12:09 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.23 | ug/L |   |          | 05/31/19 12:09 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | 0.38 | ug/L |   |          | 05/31/19 12:09 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.29 | ug/L |   |          | 05/31/19 12:09 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.41 | ug/L |   |          | 05/31/19 12:09 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0 | 0.39 | ug/L |   |          | 05/31/19 12:09 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.73 | ug/L |   |          | 05/31/19 12:09 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 05/31/19 12:09 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.21 | ug/L |   |          | 05/31/19 12:09 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.72 | ug/L |   |          | 05/31/19 12:09 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.78 | ug/L |   |          | 05/31/19 12:09 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.84 | ug/L |   |          | 05/31/19 12:09 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 10  | 1.3  | ug/L |   |          | 05/31/19 12:09 | 1       |
| 2-Hexanone                            | ND     |           | 5.0 | 1.2  | ug/L |   |          | 05/31/19 12:09 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 5.0 | 2.1  | ug/L |   |          | 05/31/19 12:09 | 1       |
| Acetone                               | 3.6    | J         | 10  | 3.0  | ug/L |   |          | 05/31/19 12:09 | 1       |
| Benzene                               | ND     |           | 1.0 | 0.41 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.39 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.26 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.69 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Carbon disulfide                      | 0.27   | J B       | 1.0 | 0.19 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.27 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.75 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Chloroethane                          | ND     |           | 1.0 | 0.32 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Chloroform                            | 0.93   | J         | 1.0 | 0.34 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.35 | ug/L |   |          | 05/31/19 12:09 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 1.0 | 0.81 | ug/L |   |          | 05/31/19 12:09 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.36 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Cyclohexane                           | ND     |           | 1.0 | 0.18 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.32 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.68 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.74 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.79 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Methyl acetate                        | ND     |           | 2.5 | 1.3  | ug/L |   |          | 05/31/19 12:09 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.16 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Methylcyclohexane                     | ND     |           | 1.0 | 0.16 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Methylene Chloride                    | ND     |           | 1.0 | 0.44 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.73 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.36 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.51 | ug/L |   |          | 05/31/19 12:09 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.0 | 0.90 | ug/L |   |          | 05/31/19 12:09 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.37 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Trichloroethene                       | 0.67   | J         | 1.0 | 0.46 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.88 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Vinyl chloride                        | ND     |           | 1.0 | 0.90 | ug/L |   |          | 05/31/19 12:09 | 1       |
| Xylenes, Total                        | ND     |           | 2.0 | 0.66 | ug/L |   |          | 05/31/19 12:09 | 1       |
| t-Butyl alcohol                       | ND     |           | 10  | 3.3  | ug/L |   |          | 05/31/19 12:09 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

**Client Sample ID: MW-01-10**

**Lab Sample ID: 480-153957-4**

**Date Collected: 05/22/19 11:12**

**Matrix: Water**

**Date Received: 05/22/19 15:00**

| <i>Surrogate</i>             | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|------------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| 1,2-Dichloroethane-d4 (Surr) | 102              |                  | 77 - 120      |                 | 05/31/19 12:09  | 1              |
| 4-Bromofluorobenzene (Surr)  | 105              |                  | 73 - 120      |                 | 05/31/19 12:09  | 1              |
| Dibromofluoromethane (Surr)  | 94               |                  | 75 - 123      |                 | 05/31/19 12:09  | 1              |
| Toluene-d8 (Surr)            | 107              |                  | 80 - 120      |                 | 05/31/19 12:09  | 1              |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

Client Sample ID: MW-11-03

Lab Sample ID: 480-153957-5

Date Collected: 05/22/19 11:40

Matrix: Water

Date Received: 05/22/19 15:00

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

| Analyte                               | Result       | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------------|-----------|-----|------|------|---|----------|----------------|---------|
| <b>1,1,1-Trichloroethane</b>          | <b>59</b>    |           | 2.0 | 1.6  | ug/L |   |          | 05/31/19 12:31 | 2       |
| 1,1,2,2-Tetrachloroethane             | ND           |           | 2.0 | 0.42 | ug/L |   |          | 05/31/19 12:31 | 2       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND           |           | 2.0 | 0.62 | ug/L |   |          | 05/31/19 12:31 | 2       |
| 1,1,2-Trichloroethane                 | ND           |           | 2.0 | 0.46 | ug/L |   |          | 05/31/19 12:31 | 2       |
| <b>1,1-Dichloroethene</b>             | <b>2.4</b>   |           | 2.0 | 0.58 | ug/L |   |          | 05/31/19 12:31 | 2       |
| 1,2,4-Trichlorobenzene                | ND           |           | 2.0 | 0.82 | ug/L |   |          | 05/31/19 12:31 | 2       |
| 1,2-Dibromo-3-Chloropropane           | ND           |           | 2.0 | 0.78 | ug/L |   |          | 05/31/19 12:31 | 2       |
| 1,2-Dibromoethane                     | ND           |           | 2.0 | 1.5  | ug/L |   |          | 05/31/19 12:31 | 2       |
| 1,2-Dichlorobenzene                   | ND           |           | 2.0 | 1.6  | ug/L |   |          | 05/31/19 12:31 | 2       |
| 1,2-Dichloroethane                    | ND           |           | 2.0 | 0.42 | ug/L |   |          | 05/31/19 12:31 | 2       |
| 1,2-Dichloropropane                   | ND           |           | 2.0 | 1.4  | ug/L |   |          | 05/31/19 12:31 | 2       |
| 1,3-Dichlorobenzene                   | ND           |           | 2.0 | 1.6  | ug/L |   |          | 05/31/19 12:31 | 2       |
| 1,4-Dichlorobenzene                   | ND           |           | 2.0 | 1.7  | ug/L |   |          | 05/31/19 12:31 | 2       |
| 2-Butanone (MEK)                      | ND           |           | 20  | 2.6  | ug/L |   |          | 05/31/19 12:31 | 2       |
| 2-Hexanone                            | ND           |           | 10  | 2.5  | ug/L |   |          | 05/31/19 12:31 | 2       |
| 4-Methyl-2-pentanone (MIBK)           | ND           |           | 10  | 4.2  | ug/L |   |          | 05/31/19 12:31 | 2       |
| Acetone                               | ND           |           | 20  | 6.0  | ug/L |   |          | 05/31/19 12:31 | 2       |
| <b>Benzene</b>                        | <b>6.4</b>   |           | 2.0 | 0.82 | ug/L |   |          | 05/31/19 12:31 | 2       |
| Bromodichloromethane                  | ND           |           | 2.0 | 0.78 | ug/L |   |          | 05/31/19 12:31 | 2       |
| Bromoform                             | ND           |           | 2.0 | 0.52 | ug/L |   |          | 05/31/19 12:31 | 2       |
| Bromomethane                          | ND           |           | 2.0 | 1.4  | ug/L |   |          | 05/31/19 12:31 | 2       |
| Carbon disulfide                      | ND           |           | 2.0 | 0.38 | ug/L |   |          | 05/31/19 12:31 | 2       |
| Carbon tetrachloride                  | ND           |           | 2.0 | 0.54 | ug/L |   |          | 05/31/19 12:31 | 2       |
| Chlorobenzene                         | ND           |           | 2.0 | 1.5  | ug/L |   |          | 05/31/19 12:31 | 2       |
| <b>Chloroethane</b>                   | <b>63</b>    |           | 2.0 | 0.64 | ug/L |   |          | 05/31/19 12:31 | 2       |
| Chloroform                            | ND           |           | 2.0 | 0.68 | ug/L |   |          | 05/31/19 12:31 | 2       |
| Chloromethane                         | ND           |           | 2.0 | 0.70 | ug/L |   |          | 05/31/19 12:31 | 2       |
| <b>cis-1,2-Dichloroethene</b>         | <b>6.2</b>   |           | 2.0 | 1.6  | ug/L |   |          | 05/31/19 12:31 | 2       |
| cis-1,3-Dichloropropene               | ND           |           | 2.0 | 0.72 | ug/L |   |          | 05/31/19 12:31 | 2       |
| <b>Cyclohexane</b>                    | <b>5.7</b>   |           | 2.0 | 0.36 | ug/L |   |          | 05/31/19 12:31 | 2       |
| Dibromochloromethane                  | ND           |           | 2.0 | 0.64 | ug/L |   |          | 05/31/19 12:31 | 2       |
| Dichlorodifluoromethane               | ND           |           | 2.0 | 1.4  | ug/L |   |          | 05/31/19 12:31 | 2       |
| Ethylbenzene                          | ND           |           | 2.0 | 1.5  | ug/L |   |          | 05/31/19 12:31 | 2       |
| Isopropylbenzene                      | ND           |           | 2.0 | 1.6  | ug/L |   |          | 05/31/19 12:31 | 2       |
| Methyl acetate                        | ND           |           | 5.0 | 2.6  | ug/L |   |          | 05/31/19 12:31 | 2       |
| Methyl tert-butyl ether               | ND           |           | 2.0 | 0.32 | ug/L |   |          | 05/31/19 12:31 | 2       |
| <b>Methylcyclohexane</b>              | <b>1.7 J</b> |           | 2.0 | 0.32 | ug/L |   |          | 05/31/19 12:31 | 2       |
| Methylene Chloride                    | ND           |           | 2.0 | 0.88 | ug/L |   |          | 05/31/19 12:31 | 2       |
| Styrene                               | ND           |           | 2.0 | 1.5  | ug/L |   |          | 05/31/19 12:31 | 2       |
| Tetrachloroethene                     | ND           |           | 2.0 | 0.72 | ug/L |   |          | 05/31/19 12:31 | 2       |
| Toluene                               | ND           |           | 2.0 | 1.0  | ug/L |   |          | 05/31/19 12:31 | 2       |
| trans-1,2-Dichloroethene              | ND           |           | 2.0 | 1.8  | ug/L |   |          | 05/31/19 12:31 | 2       |
| trans-1,3-Dichloropropene             | ND           |           | 2.0 | 0.74 | ug/L |   |          | 05/31/19 12:31 | 2       |
| <b>Trichloroethene</b>                | <b>2.3</b>   |           | 2.0 | 0.92 | ug/L |   |          | 05/31/19 12:31 | 2       |
| Trichlorofluoromethane                | ND           |           | 2.0 | 1.8  | ug/L |   |          | 05/31/19 12:31 | 2       |
| <b>Vinyl chloride</b>                 | <b>5.4</b>   |           | 2.0 | 1.8  | ug/L |   |          | 05/31/19 12:31 | 2       |
| Xylenes, Total                        | ND           |           | 4.0 | 1.3  | ug/L |   |          | 05/31/19 12:31 | 2       |
| t-Butyl alcohol                       | ND           |           | 20  | 6.6  | ug/L |   |          | 05/31/19 12:31 | 2       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

**Client Sample ID: MW-11-03**

**Lab Sample ID: 480-153957-5**

**Date Collected: 05/22/19 11:40**

**Matrix: Water**

**Date Received: 05/22/19 15:00**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 77 - 120 |          | 05/31/19 12:31 | 2       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 73 - 120 |          | 05/31/19 12:31 | 2       |
| Dibromofluoromethane (Surr)  | 102       |           | 75 - 123 |          | 05/31/19 12:31 | 2       |
| Toluene-d8 (Surr)            | 97        |           | 80 - 120 |          | 05/31/19 12:31 | 2       |

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

| Analyte                      | Result    | Qualifier | RL       | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| 1,1-Dichloroethane           | 260       |           | 5.0      | 1.9 | ug/L | - |          | 06/01/19 00:42 | 5       |
|                              |           |           |          |     |      |   |          |                |         |
| Surrogate                    | %Recovery | Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 77 - 120 |     |      |   |          | 06/01/19 00:42 | 5       |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 73 - 120 |     |      |   |          | 06/01/19 00:42 | 5       |
| Dibromofluoromethane (Surr)  | 101       |           | 75 - 123 |     |      |   |          | 06/01/19 00:42 | 5       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |     |      |   |          | 06/01/19 00:42 | 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      | 20        | E         | 2.0      | 1.0 | ug/L |   | 05/24/19 16:11 | 05/30/19 22:38 | 10      |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 28        |           | 15 - 110 |     |      |   | 05/24/19 16:11 | 05/30/19 22:38 | 10      |

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

| Analyte                     | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol       | ND     |           | 140 | 13  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 2,4,6-Trichlorophenol       | ND     |           | 140 | 17  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 2,4-Dichlorophenol          | ND     |           | 140 | 14  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 2,4-Dimethylphenol          | ND     |           | 140 | 14  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 2,4-Dinitrophenol           | ND     |           | 280 | 62  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 2,4-Dinitrotoluene          | ND     |           | 140 | 12  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 2,6-Dinitrotoluene          | ND     |           | 140 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 2-Chloronaphthalene         | ND     |           | 140 | 13  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 2-Chlorophenol              | ND     |           | 140 | 15  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 2-Methylnaphthalene         | ND     |           | 140 | 17  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 2-Methylphenol              | ND     |           | 140 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 2-Nitroaniline              | ND     |           | 280 | 12  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 2-Nitrophenol               | ND     |           | 140 | 13  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 3,3'-Dichlorobenzidine      | ND     |           | 140 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 3-Nitroaniline              | ND     |           | 280 | 13  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 4,6-Dinitro-2-methylphenol  | ND     |           | 280 | 61  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 4-Bromophenyl phenyl ether  | ND     |           | 140 | 13  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 4-Chloro-3-methylphenol     | ND     |           | 140 | 13  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 4-Chloroaniline             | ND     |           | 140 | 16  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 4-Chlorophenyl phenyl ether | ND     |           | 140 | 9.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 4-Methylphenol              | ND     |           | 280 | 10  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 4-Nitroaniline              | ND     |           | 280 | 6.9 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 4-Nitrophenol               | ND     |           | 280 | 42  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Acenaphthene                | ND     |           | 140 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Acenaphthylene              | ND     |           | 140 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Acetophenone                | ND     |           | 140 | 15  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Anthracene                  | ND     |           | 140 | 7.8 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Atrazine                    | ND     |           | 140 | 13  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

Client Sample ID: MW-11-03

Lab Sample ID: 480-153957-5

Date Collected: 05/22/19 11:40

Matrix: Water

Date Received: 05/22/19 15:00

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

| Analyte                       | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Benzaldehyde                  | ND     |           | 140 | 7.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Benzo(a)anthracene            | ND     |           | 140 | 10  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Benzo(a)pyrene                | 15     | J         | 140 | 13  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Benzo(b)fluoranthene          | 20     | J         | 140 | 9.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Benzo(g,h,i)perylene          | 15     | J         | 140 | 9.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Benzo(k)fluoranthene          | ND     |           | 140 | 20  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Biphenyl                      | ND     |           | 140 | 18  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| bis (2-chloroisopropyl) ether | ND     |           | 140 | 14  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Bis(2-chloroethoxy)methane    | ND     |           | 140 | 9.7 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Bis(2-chloroethyl)ether       | ND     |           | 140 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 140 | 61  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Butyl benzyl phthalate        | ND     |           | 140 | 28  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Caprolactam                   | ND     |           | 140 | 61  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Carbazole                     | ND     |           | 140 | 8.3 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Chrysene                      | 15     | J         | 140 | 9.2 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Dibenz(a,h)anthracene         | ND     |           | 140 | 12  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Dibenzofuran                  | ND     |           | 280 | 14  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Diethyl phthalate             | ND     |           | 140 | 6.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Dimethyl phthalate            | ND     |           | 140 | 10  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Di-n-butyl phthalate          | ND     |           | 140 | 8.6 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Di-n-octyl phthalate          | ND     |           | 140 | 13  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Fluoranthene                  | 25     | J         | 140 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Fluorene                      | ND     |           | 140 | 10  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Hexachlorobenzene             | ND     |           | 140 | 14  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Hexachlorobutadiene           | ND     |           | 140 | 19  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Hexachlorocyclopentadiene     | ND     |           | 140 | 16  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Hexachloroethane              | ND     |           | 140 | 16  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Indeno(1,2,3-cd)pyrene        | 15     | J         | 140 | 13  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Isophorone                    | ND     |           | 140 | 12  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Naphthalene                   | ND     |           | 140 | 21  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Nitrobenzene                  | ND     |           | 140 | 8.1 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| N-Nitrosodi-n-propylamine     | ND     |           | 140 | 15  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| N-Nitrosodiphenylamine        | ND     |           | 140 | 14  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Pentachlorophenol             | ND     |           | 280 | 61  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Phenanthrene                  | ND     |           | 140 | 12  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Phenol                        | ND     |           | 140 | 11  | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Pyrene                        | 19     | J         | 140 | 9.4 | ug/L |   | 05/24/19 15:55 | 05/30/19 04:41 | 20      |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 97        |           | 41 - 120 | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 2-Fluorobiphenyl     | 87        |           | 48 - 120 | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| 2-Fluorophenol       | 56        |           | 35 - 120 | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Nitrobenzene-d5      | 68        |           | 46 - 120 | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| Phenol-d5            | 43        |           | 22 - 120 | 05/24/19 15:55 | 05/30/19 04:41 | 20      |
| p-Terphenyl-d14      | 89        |           | 59 - 136 | 05/24/19 15:55 | 05/30/19 04:41 | 20      |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte  | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline | ND     |           | 0.20 | 0.20 | mg/L |   | 05/28/19 16:05 | 05/29/19 11:50 | 1       |
| Kerosene | ND     |           | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 11:50 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

Client Sample ID: MW-11-03

Lab Sample ID: 480-153957-5

Date Collected: 05/22/19 11:40

Matrix: Water

Date Received: 05/22/19 15:00

## Method: 310.13 - Identification of Routine Petroleum Products (Continued)

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Motor Oil            | 1.0    |           | 1.0  | 1.0  | mg/L |   | 05/28/19 16:05 | 05/29/19 11:50 | 1       |
| Fuel Oil #2          | ND     |           | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 11:50 | 1       |
| Fuel Oil #4          | ND     |           | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 11:50 | 1       |
| Fuel Oil #6          | ND     |           | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 11:50 | 1       |
| Unknown Hydrocarbons | 0.84   |           | 0.20 | 0.20 | mg/L |   | 05/28/19 16:05 | 05/29/19 11:50 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 0.10 | 0.018 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| 4,4'-DDE            | ND     |           | 0.10 | 0.023 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| 4,4'-DDT            | 0.033  | J         | 0.10 | 0.022 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| Aldrin              | ND     |           | 0.10 | 0.016 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| alpha-BHC           | ND     |           | 0.10 | 0.015 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| cis-Chlordane       | ND     |           | 0.10 | 0.030 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| beta-BHC            | ND     |           | 0.10 | 0.050 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| delta-BHC           | ND     |           | 0.10 | 0.020 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| Dieldrin            | ND     |           | 0.10 | 0.020 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| Endosulfan I        | ND     |           | 0.10 | 0.022 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| Endosulfan II       | ND     |           | 0.10 | 0.024 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| Endosulfan sulfate  | ND     |           | 0.10 | 0.031 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| Endrin              | ND     |           | 0.10 | 0.028 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| Endrin aldehyde     | ND     |           | 0.10 | 0.033 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| Endrin ketone       | ND     |           | 0.10 | 0.024 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| gamma-BHC (Lindane) | ND     |           | 0.10 | 0.016 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| trans-Chlordane     | ND     |           | 0.10 | 0.022 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| Heptachlor          | ND     |           | 0.10 | 0.017 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| Heptachlor epoxide  | ND     |           | 0.10 | 0.015 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| Methoxychlor        | ND     |           | 0.10 | 0.028 | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| Toxaphene           | ND     |           | 1.0  | 0.24  | ug/L |   | 05/23/19 15:03 | 05/24/19 14:05 | 2       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 68        |           | 20 - 120 | 05/23/19 15:03 | 05/24/19 14:05 | 2       |
| Tetrachloro-m-xylene   | 50        |           | 44 - 120 | 05/23/19 15:03 | 05/24/19 14:05 | 2       |

## 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 |   | 05/29/19 15:43 | 05/30/19 16:50 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:50 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:50 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:50 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:50 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:50 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:50 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:50 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 16:50 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 61        |           | 39 - 121 | 05/29/19 15:43 | 05/30/19 16:50 | 1       |
| DCB Decachlorobiphenyl | 27        |           | 19 - 120 | 05/29/19 15:43 | 05/30/19 16:50 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

Client Sample ID: MW-11-03

Lab Sample ID: 480-153957-5

Date Collected: 05/22/19 11:40

Matrix: Water

Date Received: 05/22/19 15:00

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Barium    | 0.093  |           | 0.0020 | 0.00070 | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Calcium   | 127    |           | 0.50   | 0.10    | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Iron      | 0.029  | J         | 0.050  | 0.019   | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Magnesium | 22.2   |           | 0.20   | 0.043   | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Manganese | 0.42   | B         | 0.0030 | 0.00040 | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Nickel    | 0.0018 | J         | 0.010  | 0.0013  | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Potassium | 8.8    |           | 0.50   | 0.10    | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Sodium    | 41.7   |           | 1.0    | 0.32    | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 05/24/19 12:41 | 06/03/19 19:26 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 05/28/19 11:41 | 05/28/19 15:00 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

Client Sample ID: MW-13-03

Lab Sample ID: 480-153957-6

Date Collected: 05/22/19 13:43

Matrix: Water

Date Received: 05/22/19 15:00

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

| Analyte                               | Result     | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| <b>1,1,1-Trichloroethane</b>          | <b>12</b>  |           | 2.0 | 1.6  | ug/L |   |          | 05/31/19 12:55 | 2       |
| 1,1,2,2-Tetrachloroethane             | ND         |           | 2.0 | 0.42 | ug/L |   |          | 05/31/19 12:55 | 2       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND         |           | 2.0 | 0.62 | ug/L |   |          | 05/31/19 12:55 | 2       |
| 1,1,2-Trichloroethane                 | ND         |           | 2.0 | 0.46 | ug/L |   |          | 05/31/19 12:55 | 2       |
| <b>1,1-Dichloroethane</b>             | <b>2.7</b> |           | 2.0 | 0.76 | ug/L |   |          | 05/31/19 12:55 | 2       |
| 1,1-Dichloroethene                    | ND         |           | 2.0 | 0.58 | ug/L |   |          | 05/31/19 12:55 | 2       |
| 1,2,4-Trichlorobenzene                | ND         |           | 2.0 | 0.82 | ug/L |   |          | 05/31/19 12:55 | 2       |
| 1,2-Dibromo-3-Chloropropane           | ND         |           | 2.0 | 0.78 | ug/L |   |          | 05/31/19 12:55 | 2       |
| 1,2-Dibromoethane                     | ND         |           | 2.0 | 1.5  | ug/L |   |          | 05/31/19 12:55 | 2       |
| 1,2-Dichlorobenzene                   | ND         |           | 2.0 | 1.6  | ug/L |   |          | 05/31/19 12:55 | 2       |
| 1,2-Dichloroethane                    | ND         |           | 2.0 | 0.42 | ug/L |   |          | 05/31/19 12:55 | 2       |
| 1,2-Dichloropropane                   | ND         |           | 2.0 | 1.4  | ug/L |   |          | 05/31/19 12:55 | 2       |
| 1,3-Dichlorobenzene                   | ND         |           | 2.0 | 1.6  | ug/L |   |          | 05/31/19 12:55 | 2       |
| 1,4-Dichlorobenzene                   | ND         |           | 2.0 | 1.7  | ug/L |   |          | 05/31/19 12:55 | 2       |
| 2-Butanone (MEK)                      | ND         |           | 20  | 2.6  | ug/L |   |          | 05/31/19 12:55 | 2       |
| 2-Hexanone                            | ND         |           | 10  | 2.5  | ug/L |   |          | 05/31/19 12:55 | 2       |
| 4-Methyl-2-pentanone (MIBK)           | ND         |           | 10  | 4.2  | ug/L |   |          | 05/31/19 12:55 | 2       |
| Acetone                               | ND         |           | 20  | 6.0  | ug/L |   |          | 05/31/19 12:55 | 2       |
| Benzene                               | ND         |           | 2.0 | 0.82 | ug/L |   |          | 05/31/19 12:55 | 2       |
| Bromodichloromethane                  | ND         |           | 2.0 | 0.78 | ug/L |   |          | 05/31/19 12:55 | 2       |
| Bromoform                             | ND         |           | 2.0 | 0.52 | ug/L |   |          | 05/31/19 12:55 | 2       |
| Bromomethane                          | ND         |           | 2.0 | 1.4  | ug/L |   |          | 05/31/19 12:55 | 2       |
| Carbon disulfide                      | ND         |           | 2.0 | 0.38 | ug/L |   |          | 05/31/19 12:55 | 2       |
| Carbon tetrachloride                  | ND         |           | 2.0 | 0.54 | ug/L |   |          | 05/31/19 12:55 | 2       |
| Chlorobenzene                         | ND         |           | 2.0 | 1.5  | ug/L |   |          | 05/31/19 12:55 | 2       |
| Chloroethane                          | ND         |           | 2.0 | 0.64 | ug/L |   |          | 05/31/19 12:55 | 2       |
| Chloroform                            | ND         |           | 2.0 | 0.68 | ug/L |   |          | 05/31/19 12:55 | 2       |
| Chloromethane                         | ND         |           | 2.0 | 0.70 | ug/L |   |          | 05/31/19 12:55 | 2       |
| <b>cis-1,2-Dichloroethene</b>         | <b>19</b>  |           | 2.0 | 1.6  | ug/L |   |          | 05/31/19 12:55 | 2       |
| cis-1,3-Dichloropropene               | ND         |           | 2.0 | 0.72 | ug/L |   |          | 05/31/19 12:55 | 2       |
| Cyclohexane                           | ND         |           | 2.0 | 0.36 | ug/L |   |          | 05/31/19 12:55 | 2       |
| Dibromochloromethane                  | ND         |           | 2.0 | 0.64 | ug/L |   |          | 05/31/19 12:55 | 2       |
| Dichlorodifluoromethane               | ND         |           | 2.0 | 1.4  | ug/L |   |          | 05/31/19 12:55 | 2       |
| Ethylbenzene                          | ND         |           | 2.0 | 1.5  | ug/L |   |          | 05/31/19 12:55 | 2       |
| Isopropylbenzene                      | ND         |           | 2.0 | 1.6  | ug/L |   |          | 05/31/19 12:55 | 2       |
| Methyl acetate                        | ND         |           | 5.0 | 2.6  | ug/L |   |          | 05/31/19 12:55 | 2       |
| Methyl tert-butyl ether               | ND         |           | 2.0 | 0.32 | ug/L |   |          | 05/31/19 12:55 | 2       |
| Methylcyclohexane                     | ND         |           | 2.0 | 0.32 | ug/L |   |          | 05/31/19 12:55 | 2       |
| Methylene Chloride                    | ND         |           | 2.0 | 0.88 | ug/L |   |          | 05/31/19 12:55 | 2       |
| Styrene                               | ND         |           | 2.0 | 1.5  | ug/L |   |          | 05/31/19 12:55 | 2       |
| Tetrachloroethene                     | ND         |           | 2.0 | 0.72 | ug/L |   |          | 05/31/19 12:55 | 2       |
| Toluene                               | ND         |           | 2.0 | 1.0  | ug/L |   |          | 05/31/19 12:55 | 2       |
| trans-1,2-Dichloroethene              | ND         |           | 2.0 | 1.8  | ug/L |   |          | 05/31/19 12:55 | 2       |
| trans-1,3-Dichloropropene             | ND         |           | 2.0 | 0.74 | ug/L |   |          | 05/31/19 12:55 | 2       |
| <b>Trichloroethene</b>                | <b>43</b>  |           | 2.0 | 0.92 | ug/L |   |          | 05/31/19 12:55 | 2       |
| Trichlorofluoromethane                | ND         |           | 2.0 | 1.8  | ug/L |   |          | 05/31/19 12:55 | 2       |
| Vinyl chloride                        | ND         |           | 2.0 | 1.8  | ug/L |   |          | 05/31/19 12:55 | 2       |
| Xylenes, Total                        | ND         |           | 4.0 | 1.3  | ug/L |   |          | 05/31/19 12:55 | 2       |
| t-Butyl alcohol                       | ND         |           | 20  | 6.6  | ug/L |   |          | 05/31/19 12:55 | 2       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

**Client Sample ID: MW-13-03**

**Lab Sample ID: 480-153957-6**

**Date Collected: 05/22/19 13:43**

**Matrix: Water**

**Date Received: 05/22/19 15:00**

| <i>Surrogate</i>             | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|------------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| 1,2-Dichloroethane-d4 (Surr) | 116              |                  | 77 - 120      |                 | 05/31/19 12:55  | 2              |
| 4-Bromofluorobenzene (Surr)  | 86               |                  | 73 - 120      |                 | 05/31/19 12:55  | 2              |
| Dibromofluoromethane (Surr)  | 115              |                  | 75 - 123      |                 | 05/31/19 12:55  | 2              |
| Toluene-d8 (Surr)            | 94               |                  | 80 - 120      |                 | 05/31/19 12:55  | 2              |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

Client Sample ID: MW-01-94

Lab Sample ID: 480-153957-7

Date Collected: 05/22/19 14:00

Matrix: Water

Date Received: 05/22/19 15:00

## 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 |   |          | 05/31/19 11:16 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.21 | ug/L |   |          | 05/31/19 11:16 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.31 | ug/L |   |          | 05/31/19 11:16 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.23 | ug/L |   |          | 05/31/19 11:16 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | 0.38 | ug/L |   |          | 05/31/19 11:16 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.29 | ug/L |   |          | 05/31/19 11:16 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.41 | ug/L |   |          | 05/31/19 11:16 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0 | 0.39 | ug/L |   |          | 05/31/19 11:16 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.73 | ug/L |   |          | 05/31/19 11:16 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 05/31/19 11:16 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.21 | ug/L |   |          | 05/31/19 11:16 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.72 | ug/L |   |          | 05/31/19 11:16 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.78 | ug/L |   |          | 05/31/19 11:16 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.84 | ug/L |   |          | 05/31/19 11:16 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 10  | 1.3  | ug/L |   |          | 05/31/19 11:16 | 1       |
| 2-Hexanone                            | ND     |           | 5.0 | 1.2  | ug/L |   |          | 05/31/19 11:16 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 5.0 | 2.1  | ug/L |   |          | 05/31/19 11:16 | 1       |
| Acetone                               | ND     |           | 10  | 3.0  | ug/L |   |          | 05/31/19 11:16 | 1       |
| Benzene                               | ND     |           | 1.0 | 0.41 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.39 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.26 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.69 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Carbon disulfide                      | ND     |           | 1.0 | 0.19 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.27 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.75 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Chloroethane                          | ND     |           | 1.0 | 0.32 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Chloroform                            | ND     |           | 1.0 | 0.34 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.35 | ug/L |   |          | 05/31/19 11:16 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 1.0 | 0.81 | ug/L |   |          | 05/31/19 11:16 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.36 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Cyclohexane                           | ND     |           | 1.0 | 0.18 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.32 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.68 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.74 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.79 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Methyl acetate                        | ND     |           | 2.5 | 1.3  | ug/L |   |          | 05/31/19 11:16 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.16 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Methylcyclohexane                     | ND     |           | 1.0 | 0.16 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Methylene Chloride                    | ND     |           | 1.0 | 0.44 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.73 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.36 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.51 | ug/L |   |          | 05/31/19 11:16 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.0 | 0.90 | ug/L |   |          | 05/31/19 11:16 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.37 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Trichloroethene                       | 0.96   | J         | 1.0 | 0.46 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.88 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Vinyl chloride                        | ND     |           | 1.0 | 0.90 | ug/L |   |          | 05/31/19 11:16 | 1       |
| Xylenes, Total                        | ND     |           | 2.0 | 0.66 | ug/L |   |          | 05/31/19 11:16 | 1       |
| t-Butyl alcohol                       | ND     |           | 10  | 3.3  | ug/L |   |          | 05/31/19 11:16 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

**Client Sample ID: MW-01-94**

**Lab Sample ID: 480-153957-7**

**Date Collected: 05/22/19 14:00**

**Matrix: Water**

**Date Received: 05/22/19 15:00**

| <i>Surrogate</i>             | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> | <i>Prepared</i> | <i>Analyzed</i> | <i>Dil Fac</i> |
|------------------------------|------------------|------------------|---------------|-----------------|-----------------|----------------|
| 1,2-Dichloroethane-d4 (Surr) | 100              |                  | 77 - 120      |                 | 05/31/19 11:16  | 1              |
| 4-Bromofluorobenzene (Surr)  | 94               |                  | 73 - 120      |                 | 05/31/19 11:16  | 1              |
| Dibromofluoromethane (Surr)  | 100              |                  | 75 - 123      |                 | 05/31/19 11:16  | 1              |
| Toluene-d8 (Surr)            | 95               |                  | 80 - 120      |                 | 05/31/19 11:16  | 1              |

# Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID     | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                 |
|-------------------|--------------------|------------------------------------------------|-----------------|------------------|-----------------|
|                   |                    | DCA<br>(77-120)                                | BFB<br>(73-120) | DBFM<br>(75-123) | TOL<br>(80-120) |
| 480-153957-2      | MW-03-10           | 99                                             | 102             | 88               | 102             |
| 480-153957-3      | MW-02-10           | 100                                            | 104             | 92               | 104             |
| 480-153957-4      | MW-01-10           | 102                                            | 105             | 94               | 107             |
| 480-153957-5      | MW-11-03           | 108                                            | 92              | 102              | 97              |
| 480-153957-5 - DL | MW-11-03           | 104                                            | 98              | 101              | 100             |
| 480-153957-6      | MW-13-03           | 116                                            | 86              | 115              | 94              |
| 480-153957-7      | MW-01-94           | 100                                            | 94              | 100              | 95              |
| LCS 480-475481/5  | Lab Control Sample | 105                                            | 88              | 101              | 95              |
| LCS 480-475511/5  | Lab Control Sample | 100                                            | 107             | 95               | 106             |
| LCS 480-475516/5  | Lab Control Sample | 99                                             | 94              | 99               | 91              |
| LCS 480-475674/5  | Lab Control Sample | 100                                            | 97              | 94               | 101             |
| MB 480-475481/7   | Method Blank       | 108                                            | 84              | 105              | 93              |
| MB 480-475511/7   | Method Blank       | 97                                             | 103             | 97               | 103             |
| MB 480-475516/7   | Method Blank       | 95                                             | 88              | 95               | 92              |
| MB 480-475674/7   | Method Blank       | 99                                             | 90              | 97               | 96              |

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane (Surr)  
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                 |                 |                    |
|--------------------|--------------------|------------------------------------------------|-----------------|-----------------|-----------------|-----------------|--------------------|
|                    |                    | TBP<br>(41-120)                                | FBP<br>(48-120) | 2FP<br>(35-120) | NBZ<br>(46-120) | PHL<br>(22-120) | TPHd14<br>(59-136) |
| 480-153957-1       | MW-07-94           | 58                                             | 68              | 54              | 61              | 41              | 55 X               |
| 480-153957-5       | MW-11-03           | 97                                             | 87              | 56              | 68              | 43              | 89                 |
| LCS 480-474679/2-A | Lab Control Sample | 92                                             | 80              | 64              | 80              | 52              | 93                 |
| MB 480-474679/1-A  | Method Blank       | 81                                             | 84              | 62              | 76              | 47              | 91                 |

### Surrogate Legend

TBP = 2,4,6-Tribromophenol  
FBP = 2-Fluorobiphenyl  
2FP = 2-Fluorophenol  
NBZ = Nitrobenzene-d5  
PHL = Phenol-d5  
TPHd14 = p-Terphenyl-d14

## Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                  |
|--------------------|--------------------|------------------------------------------------|------------------|
|                    |                    | DCBP1<br>(20-120)                              | TCX1<br>(44-120) |
| 480-153957-5       | MW-11-03           | 68                                             | 50               |
| LCS 480-474461/2-A | Lab Control Sample | 46                                             | 66               |
| MB 480-474461/1-A  | Method Blank       | 50                                             | 85               |

### Surrogate Legend

Eurofins TestAmerica, Buffalo

# Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165  
DCBP = DCB Decachlorobiphenyl  
TCX = Tetrachloro-m-xylene

Job ID: 480-153957-1

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

Matrix: Water

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID   | TCX2     | DCBP2    |
|--------------------|--------------------|----------|----------|
|                    |                    | (39-121) | (19-120) |
| 480-153957-5       | MW-11-03           | 61       | 27       |
| LCS 480-475155/2-A | Lab Control Sample | 62       | 40       |
| MB 480-475155/1-A  | Method Blank       | 75       | 58       |

### Surrogate Legend

TCX = Tetrachloro-m-xylene  
DCBP = DCB Decachlorobiphenyl

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

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

Lab Sample ID: MB 480-475481/7

Matrix: Water

Analysis Batch: 475481

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 |   |          | 05/31/19 10:44 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 1.0 | 0.21 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 1.0 | 0.31 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 1.0 | 0.23 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 1.0 | 0.38 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 1.0 | 0.29 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 1.0 | 0.41 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0 | 0.39 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 1.0 | 0.73 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 1.0 | 0.79 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 1.0 | 0.21 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 1.0 | 0.72 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 1.0 | 0.78 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 1.0 | 0.84 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 2-Butanone (MEK)                      | ND        |              | 10  | 1.3  | ug/L |   |          | 05/31/19 10:44 | 1       |
| 2-Hexanone                            | ND        |              | 5.0 | 1.2  | ug/L |   |          | 05/31/19 10:44 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND        |              | 5.0 | 2.1  | ug/L |   |          | 05/31/19 10:44 | 1       |
| Acetone                               | ND        |              | 10  | 3.0  | ug/L |   |          | 05/31/19 10:44 | 1       |
| Benzene                               | ND        |              | 1.0 | 0.41 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Bromodichloromethane                  | ND        |              | 1.0 | 0.39 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Bromoform                             | ND        |              | 1.0 | 0.26 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Bromomethane                          | ND        |              | 1.0 | 0.69 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Carbon disulfide                      | ND        |              | 1.0 | 0.19 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Carbon tetrachloride                  | ND        |              | 1.0 | 0.27 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Chlorobenzene                         | ND        |              | 1.0 | 0.75 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Chloroethane                          | ND        |              | 1.0 | 0.32 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Chloroform                            | ND        |              | 1.0 | 0.34 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Chloromethane                         | ND        |              | 1.0 | 0.35 | ug/L |   |          | 05/31/19 10:44 | 1       |
| cis-1,2-Dichloroethene                | ND        |              | 1.0 | 0.81 | ug/L |   |          | 05/31/19 10:44 | 1       |
| cis-1,3-Dichloropropene               | ND        |              | 1.0 | 0.36 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Cyclohexane                           | ND        |              | 1.0 | 0.18 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Dibromochloromethane                  | ND        |              | 1.0 | 0.32 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Dichlorodifluoromethane               | ND        |              | 1.0 | 0.68 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Ethylbenzene                          | ND        |              | 1.0 | 0.74 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Isopropylbenzene                      | ND        |              | 1.0 | 0.79 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Methyl acetate                        | ND        |              | 2.5 | 1.3  | ug/L |   |          | 05/31/19 10:44 | 1       |
| Methyl tert-butyl ether               | ND        |              | 1.0 | 0.16 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Methylcyclohexane                     | ND        |              | 1.0 | 0.16 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Methylene Chloride                    | ND        |              | 1.0 | 0.44 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Styrene                               | ND        |              | 1.0 | 0.73 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Tetrachloroethene                     | ND        |              | 1.0 | 0.36 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Toluene                               | ND        |              | 1.0 | 0.51 | ug/L |   |          | 05/31/19 10:44 | 1       |
| trans-1,2-Dichloroethene              | ND        |              | 1.0 | 0.90 | ug/L |   |          | 05/31/19 10:44 | 1       |
| trans-1,3-Dichloropropene             | ND        |              | 1.0 | 0.37 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Trichloroethene                       | ND        |              | 1.0 | 0.46 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Trichlorofluoromethane                | ND        |              | 1.0 | 0.88 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Vinyl chloride                        | ND        |              | 1.0 | 0.90 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Xylenes, Total                        | ND        |              | 2.0 | 0.66 | ug/L |   |          | 05/31/19 10:44 | 1       |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

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

Lab Sample ID: MB 480-475481/7

Matrix: Water

Analysis Batch: 475481

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                      | MB Result    | MB Qualifier | RL       | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|-----|------|---|----------|----------------|---------|
| t-Butyl alcohol              | ND           |              | 10       | 3.3 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Surrogate                    | MB %Recovery | MB Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 108          |              | 77 - 120 |     |      |   |          | 05/31/19 10:44 | 1       |
| 4-Bromofluorobenzene (Surr)  | 84           |              | 73 - 120 |     |      |   |          | 05/31/19 10:44 | 1       |
| Dibromofluoromethane (Surr)  | 105          |              | 75 - 123 |     |      |   |          | 05/31/19 10:44 | 1       |
| Toluene-d8 (Surr)            | 93           |              | 80 - 120 |     |      |   |          | 05/31/19 10:44 | 1       |

Lab Sample ID: LCS 480-475481/5

Matrix: Water

Analysis Batch: 475481

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1,1-Trichloroethane                 | 25.0        | 26.7       |               | ug/L |   | 107  | 73 - 126     |
| 1,1,2,2-Tetrachloroethane             | 25.0        | 26.5       |               | ug/L |   | 106  | 76 - 120     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0        | 22.4       |               | ug/L |   | 90   | 61 - 148     |
| 1,1,2-Trichloroethane                 | 25.0        | 24.3       |               | ug/L |   | 97   | 76 - 122     |
| 1,1-Dichloroethane                    | 25.0        | 26.9       |               | ug/L |   | 108  | 77 - 120     |
| 1,1-Dichloroethene                    | 25.0        | 24.7       |               | ug/L |   | 99   | 66 - 127     |
| 1,2,4-Trichlorobenzene                | 25.0        | 23.7       |               | ug/L |   | 95   | 79 - 122     |
| 1,2-Dibromo-3-Chloropropane           | 25.0        | 24.1       |               | ug/L |   | 97   | 56 - 134     |
| 1,2-Dibromoethane                     | 25.0        | 24.6       |               | ug/L |   | 98   | 77 - 120     |
| 1,2-Dichlorobenzene                   | 25.0        | 23.7       |               | ug/L |   | 95   | 80 - 124     |
| 1,2-Dichloroethane                    | 25.0        | 28.2       |               | ug/L |   | 113  | 75 - 120     |
| 1,2-Dichloropropane                   | 25.0        | 28.2       |               | ug/L |   | 113  | 76 - 120     |
| 1,3-Dichlorobenzene                   | 25.0        | 24.0       |               | ug/L |   | 96   | 77 - 120     |
| 1,4-Dichlorobenzene                   | 25.0        | 23.9       |               | ug/L |   | 96   | 80 - 120     |
| 2-Butanone (MEK)                      | 125         | 140        |               | ug/L |   | 112  | 57 - 140     |
| 2-Hexanone                            | 125         | 134        |               | ug/L |   | 107  | 65 - 127     |
| 4-Methyl-2-pentanone (MIBK)           | 125         | 123        |               | ug/L |   | 98   | 71 - 125     |
| Acetone                               | 125         | 126        |               | ug/L |   | 100  | 56 - 142     |
| Benzene                               | 25.0        | 26.6       |               | ug/L |   | 106  | 71 - 124     |
| Bromodichloromethane                  | 25.0        | 25.1       |               | ug/L |   | 100  | 80 - 122     |
| Bromoform                             | 25.0        | 24.2       |               | ug/L |   | 97   | 61 - 132     |
| Bromomethane                          | 25.0        | 23.1       |               | ug/L |   | 92   | 55 - 144     |
| Carbon disulfide                      | 25.0        | 26.0       |               | ug/L |   | 104  | 59 - 134     |
| Carbon tetrachloride                  | 25.0        | 25.5       |               | ug/L |   | 102  | 72 - 134     |
| Chlorobenzene                         | 25.0        | 23.6       |               | ug/L |   | 94   | 80 - 120     |
| Chloroethane                          | 25.0        | 22.8       |               | ug/L |   | 91   | 69 - 136     |
| Chloroform                            | 25.0        | 25.8       |               | ug/L |   | 103  | 73 - 127     |
| Chloromethane                         | 25.0        | 26.0       |               | ug/L |   | 104  | 68 - 124     |
| cis-1,2-Dichloroethene                | 25.0        | 25.0       |               | ug/L |   | 100  | 74 - 124     |
| cis-1,3-Dichloropropene               | 25.0        | 26.7       |               | ug/L |   | 107  | 74 - 124     |
| Cyclohexane                           | 25.0        | 22.6       |               | ug/L |   | 90   | 59 - 135     |
| Dibromochloromethane                  | 25.0        | 23.0       |               | ug/L |   | 92   | 75 - 125     |
| Dichlorodifluoromethane               | 25.0        | 28.1       |               | ug/L |   | 112  | 59 - 135     |
| Ethylbenzene                          | 25.0        | 24.1       |               | ug/L |   | 96   | 77 - 123     |
| Isopropylbenzene                      | 25.0        | 24.1       |               | ug/L |   | 96   | 77 - 122     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

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

Lab Sample ID: LCS 480-475481/5

Matrix: Water

Analysis Batch: 475481

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Methyl acetate            | 50.0        | 58.2       |               | ug/L |   | 116  | 74 - 133     |
| Methyl tert-butyl ether   | 25.0        | 26.7       |               | ug/L |   | 107  | 77 - 120     |
| Methylcyclohexane         | 25.0        | 20.3       |               | ug/L |   | 81   | 68 - 134     |
| Methylene Chloride        | 25.0        | 25.8       |               | ug/L |   | 103  | 75 - 124     |
| Styrene                   | 25.0        | 22.8       |               | ug/L |   | 91   | 80 - 120     |
| Tetrachloroethene         | 25.0        | 21.1       |               | ug/L |   | 85   | 74 - 122     |
| Toluene                   | 25.0        | 23.4       |               | ug/L |   | 93   | 80 - 122     |
| trans-1,2-Dichloroethene  | 25.0        | 26.5       |               | ug/L |   | 106  | 73 - 127     |
| trans-1,3-Dichloropropene | 25.0        | 26.4       |               | ug/L |   | 105  | 80 - 120     |
| Trichloroethene           | 25.0        | 25.6       |               | ug/L |   | 102  | 74 - 123     |
| Trichlorofluoromethane    | 25.0        | 22.1       |               | ug/L |   | 88   | 62 - 150     |
| Vinyl chloride            | 25.0        | 23.1       |               | ug/L |   | 93   | 65 - 133     |
| t-Butyl alcohol           | 250         | 282        |               | ug/L |   | 113  | 75 - 125     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 105           |               | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 88            |               | 73 - 120 |
| Dibromofluoromethane (Surr)  | 101           |               | 75 - 123 |
| Toluene-d8 (Surr)            | 95            |               | 80 - 120 |

Lab Sample ID: MB 480-475511/7

Matrix: Water

Analysis Batch: 475511

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 |   |          | 05/31/19 10:37 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 1.0 | 0.21 | ug/L |   |          | 05/31/19 10:37 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 1.0 | 0.31 | ug/L |   |          | 05/31/19 10:37 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 1.0 | 0.23 | ug/L |   |          | 05/31/19 10:37 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 1.0 | 0.38 | ug/L |   |          | 05/31/19 10:37 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 1.0 | 0.29 | ug/L |   |          | 05/31/19 10:37 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 1.0 | 0.41 | ug/L |   |          | 05/31/19 10:37 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0 | 0.39 | ug/L |   |          | 05/31/19 10:37 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 1.0 | 0.73 | ug/L |   |          | 05/31/19 10:37 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 1.0 | 0.79 | ug/L |   |          | 05/31/19 10:37 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 1.0 | 0.21 | ug/L |   |          | 05/31/19 10:37 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 1.0 | 0.72 | ug/L |   |          | 05/31/19 10:37 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 1.0 | 0.78 | ug/L |   |          | 05/31/19 10:37 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 1.0 | 0.84 | ug/L |   |          | 05/31/19 10:37 | 1       |
| 2-Butanone (MEK)                      | ND        |              | 10  | 1.3  | ug/L |   |          | 05/31/19 10:37 | 1       |
| 2-Hexanone                            | ND        |              | 5.0 | 1.2  | ug/L |   |          | 05/31/19 10:37 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND        |              | 5.0 | 2.1  | ug/L |   |          | 05/31/19 10:37 | 1       |
| Acetone                               | ND        |              | 10  | 3.0  | ug/L |   |          | 05/31/19 10:37 | 1       |
| Benzene                               | ND        |              | 1.0 | 0.41 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Bromodichloromethane                  | ND        |              | 1.0 | 0.39 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Bromoform                             | ND        |              | 1.0 | 0.26 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Bromomethane                          | ND        |              | 1.0 | 0.69 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Carbon disulfide                      | 0.253     | J            | 1.0 | 0.19 | ug/L |   |          | 05/31/19 10:37 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

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

Lab Sample ID: MB 480-475511/7

Matrix: Water

Analysis Batch: 475511

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Carbon tetrachloride      | ND        |              | 1.0 | 0.27 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Chlorobenzene             | ND        |              | 1.0 | 0.75 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Chloroethane              | ND        |              | 1.0 | 0.32 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Chloroform                | ND        |              | 1.0 | 0.34 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Chloromethane             | ND        |              | 1.0 | 0.35 | ug/L |   |          | 05/31/19 10:37 | 1       |
| cis-1,2-Dichloroethene    | ND        |              | 1.0 | 0.81 | ug/L |   |          | 05/31/19 10:37 | 1       |
| cis-1,3-Dichloropropene   | ND        |              | 1.0 | 0.36 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Cyclohexane               | ND        |              | 1.0 | 0.18 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Dibromochloromethane      | ND        |              | 1.0 | 0.32 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Dichlorodifluoromethane   | ND        |              | 1.0 | 0.68 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Ethylbenzene              | ND        |              | 1.0 | 0.74 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Isopropylbenzene          | ND        |              | 1.0 | 0.79 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Methyl acetate            | ND        |              | 2.5 | 1.3  | ug/L |   |          | 05/31/19 10:37 | 1       |
| Methyl tert-butyl ether   | ND        |              | 1.0 | 0.16 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Methylcyclohexane         | ND        |              | 1.0 | 0.16 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Methylene Chloride        | ND        |              | 1.0 | 0.44 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Styrene                   | ND        |              | 1.0 | 0.73 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Tetrachloroethene         | ND        |              | 1.0 | 0.36 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Toluene                   | ND        |              | 1.0 | 0.51 | ug/L |   |          | 05/31/19 10:37 | 1       |
| trans-1,2-Dichloroethene  | ND        |              | 1.0 | 0.90 | ug/L |   |          | 05/31/19 10:37 | 1       |
| trans-1,3-Dichloropropene | ND        |              | 1.0 | 0.37 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Trichloroethene           | ND        |              | 1.0 | 0.46 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Trichlorofluoromethane    | ND        |              | 1.0 | 0.88 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Vinyl chloride            | ND        |              | 1.0 | 0.90 | ug/L |   |          | 05/31/19 10:37 | 1       |
| Xylenes, Total            | ND        |              | 2.0 | 0.66 | ug/L |   |          | 05/31/19 10:37 | 1       |
| t-Butyl alcohol           | ND        |              | 10  | 3.3  | ug/L |   |          | 05/31/19 10:37 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97           |              | 77 - 120 |          | 05/31/19 10:37 | 1       |
| 4-Bromofluorobenzene (Surr)  | 103          |              | 73 - 120 |          | 05/31/19 10:37 | 1       |
| Dibromofluoromethane (Surr)  | 97           |              | 75 - 123 |          | 05/31/19 10:37 | 1       |
| Toluene-d8 (Surr)            | 103          |              | 80 - 120 |          | 05/31/19 10:37 | 1       |

Lab Sample ID: LCS 480-475511/5

Matrix: Water

Analysis Batch: 475511

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        | 25.3       |               | ug/L |   | 101  | 73 - 126     |
| 1,1,2,2-Tetrachloroethane             | 25.0        | 24.9       |               | ug/L |   | 100  | 76 - 120     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0        | 26.6       |               | ug/L |   | 106  | 61 - 148     |
| 1,1,2-Trichloroethane                 | 25.0        | 26.8       |               | ug/L |   | 107  | 76 - 122     |
| 1,1-Dichloroethane                    | 25.0        | 24.6       |               | ug/L |   | 98   | 77 - 120     |
| 1,1-Dichloroethene                    | 25.0        | 24.6       |               | ug/L |   | 98   | 66 - 127     |
| 1,2,4-Trichlorobenzene                | 25.0        | 26.6       |               | ug/L |   | 107  | 79 - 122     |
| 1,2-Dibromo-3-Chloropropane           | 25.0        | 19.8       |               | ug/L |   | 79   | 56 - 134     |
| 1,2-Dibromoethane                     | 25.0        | 27.6       |               | ug/L |   | 110  | 77 - 120     |
| 1,2-Dichlorobenzene                   | 25.0        | 26.0       |               | ug/L |   | 104  | 80 - 124     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

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

Lab Sample ID: LCS 480-475511/5

Matrix: Water

Analysis Batch: 475511

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,2-Dichloroethane          | 25.0        | 24.9       |               | ug/L |   | 99   | 75 - 120     |
| 1,2-Dichloropropane         | 25.0        | 25.9       |               | ug/L |   | 104  | 76 - 120     |
| 1,3-Dichlorobenzene         | 25.0        | 27.1       |               | ug/L |   | 108  | 77 - 120     |
| 1,4-Dichlorobenzene         | 25.0        | 27.2       |               | ug/L |   | 109  | 80 - 120     |
| 2-Butanone (MEK)            | 125         | 135        |               | ug/L |   | 108  | 57 - 140     |
| 2-Hexanone                  | 125         | 140        |               | ug/L |   | 112  | 65 - 127     |
| 4-Methyl-2-pentanone (MIBK) | 125         | 129        |               | ug/L |   | 104  | 71 - 125     |
| Acetone                     | 125         | 147        |               | ug/L |   | 117  | 56 - 142     |
| Benzene                     | 25.0        | 26.6       |               | ug/L |   | 106  | 71 - 124     |
| Bromodichloromethane        | 25.0        | 24.1       |               | ug/L |   | 96   | 80 - 122     |
| Bromoform                   | 25.0        | 20.4       |               | ug/L |   | 81   | 61 - 132     |
| Bromomethane                | 25.0        | 22.5       |               | ug/L |   | 90   | 55 - 144     |
| Carbon disulfide            | 25.0        | 23.1       |               | ug/L |   | 92   | 59 - 134     |
| Carbon tetrachloride        | 25.0        | 23.7       |               | ug/L |   | 95   | 72 - 134     |
| Chlorobenzene               | 25.0        | 27.8       |               | ug/L |   | 111  | 80 - 120     |
| Chloroethane                | 25.0        | 22.5       |               | ug/L |   | 90   | 69 - 136     |
| Chloroform                  | 25.0        | 24.2       |               | ug/L |   | 97   | 73 - 127     |
| Chloromethane               | 25.0        | 20.8       |               | ug/L |   | 83   | 68 - 124     |
| cis-1,2-Dichloroethene      | 25.0        | 23.7       |               | ug/L |   | 95   | 74 - 124     |
| cis-1,3-Dichloropropene     | 25.0        | 25.8       |               | ug/L |   | 103  | 74 - 124     |
| Cyclohexane                 | 25.0        | 26.0       |               | ug/L |   | 104  | 59 - 135     |
| Dibromochloromethane        | 25.0        | 23.7       |               | ug/L |   | 95   | 75 - 125     |
| Dichlorodifluoromethane     | 25.0        | 19.1       |               | ug/L |   | 76   | 59 - 135     |
| Ethylbenzene                | 25.0        | 27.5       |               | ug/L |   | 110  | 77 - 123     |
| Isopropylbenzene            | 25.0        | 28.0       |               | ug/L |   | 112  | 77 - 122     |
| Methyl acetate              | 50.0        | 44.9       |               | ug/L |   | 90   | 74 - 133     |
| Methyl tert-butyl ether     | 25.0        | 22.5       |               | ug/L |   | 90   | 77 - 120     |
| Methylcyclohexane           | 25.0        | 27.5       |               | ug/L |   | 110  | 68 - 134     |
| Methylene Chloride          | 25.0        | 23.8       |               | ug/L |   | 95   | 75 - 124     |
| Styrene                     | 25.0        | 27.1       |               | ug/L |   | 108  | 80 - 120     |
| Tetrachloroethene           | 25.0        | 30.3       |               | ug/L |   | 121  | 74 - 122     |
| Toluene                     | 25.0        | 28.2       |               | ug/L |   | 113  | 80 - 122     |
| trans-1,2-Dichloroethene    | 25.0        | 24.7       |               | ug/L |   | 99   | 73 - 127     |
| trans-1,3-Dichloropropene   | 25.0        | 26.3       |               | ug/L |   | 105  | 80 - 120     |
| Trichloroethene             | 25.0        | 26.6       |               | ug/L |   | 106  | 74 - 123     |
| Trichlorofluoromethane      | 25.0        | 24.2       |               | ug/L |   | 97   | 62 - 150     |
| Vinyl chloride              | 25.0        | 21.2       |               | ug/L |   | 85   | 65 - 133     |
| t-Butyl alcohol             | 250         | 203        |               | ug/L |   | 81   | 75 - 125     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 100           |               | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 107           |               | 73 - 120 |
| Dibromofluoromethane (Surr)  | 95            |               | 75 - 123 |
| Toluene-d8 (Surr)            | 106           |               | 80 - 120 |

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

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

Lab Sample ID: MB 480-475516/7

Matrix: Water

Analysis Batch: 475516

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 |   |          | 05/31/19 10:44 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 1.0 | 0.21 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 1.0 | 0.31 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 1.0 | 0.23 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 1.0 | 0.38 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 1.0 | 0.29 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 1.0 | 0.41 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0 | 0.39 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 1.0 | 0.73 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 1.0 | 0.79 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 1.0 | 0.21 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 1.0 | 0.72 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 1.0 | 0.78 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 1.0 | 0.84 | ug/L |   |          | 05/31/19 10:44 | 1       |
| 2-Butanone (MEK)                      | ND        |              | 10  | 1.3  | ug/L |   |          | 05/31/19 10:44 | 1       |
| 2-Hexanone                            | ND        |              | 5.0 | 1.2  | ug/L |   |          | 05/31/19 10:44 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND        |              | 5.0 | 2.1  | ug/L |   |          | 05/31/19 10:44 | 1       |
| Acetone                               | ND        |              | 10  | 3.0  | ug/L |   |          | 05/31/19 10:44 | 1       |
| Benzene                               | ND        |              | 1.0 | 0.41 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Bromodichloromethane                  | ND        |              | 1.0 | 0.39 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Bromoform                             | ND        |              | 1.0 | 0.26 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Bromomethane                          | ND        |              | 1.0 | 0.69 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Carbon disulfide                      | ND        |              | 1.0 | 0.19 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Carbon tetrachloride                  | ND        |              | 1.0 | 0.27 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Chlorobenzene                         | ND        |              | 1.0 | 0.75 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Chloroethane                          | ND        |              | 1.0 | 0.32 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Chloroform                            | ND        |              | 1.0 | 0.34 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Chloromethane                         | ND        |              | 1.0 | 0.35 | ug/L |   |          | 05/31/19 10:44 | 1       |
| cis-1,2-Dichloroethene                | ND        |              | 1.0 | 0.81 | ug/L |   |          | 05/31/19 10:44 | 1       |
| cis-1,3-Dichloropropene               | ND        |              | 1.0 | 0.36 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Cyclohexane                           | ND        |              | 1.0 | 0.18 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Dibromochloromethane                  | ND        |              | 1.0 | 0.32 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Dichlorodifluoromethane               | ND        |              | 1.0 | 0.68 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Ethylbenzene                          | ND        |              | 1.0 | 0.74 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Isopropylbenzene                      | ND        |              | 1.0 | 0.79 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Methyl acetate                        | ND        |              | 2.5 | 1.3  | ug/L |   |          | 05/31/19 10:44 | 1       |
| Methyl tert-butyl ether               | ND        |              | 1.0 | 0.16 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Methylcyclohexane                     | ND        |              | 1.0 | 0.16 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Methylene Chloride                    | ND        |              | 1.0 | 0.44 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Styrene                               | ND        |              | 1.0 | 0.73 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Tetrachloroethene                     | ND        |              | 1.0 | 0.36 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Toluene                               | ND        |              | 1.0 | 0.51 | ug/L |   |          | 05/31/19 10:44 | 1       |
| trans-1,2-Dichloroethene              | ND        |              | 1.0 | 0.90 | ug/L |   |          | 05/31/19 10:44 | 1       |
| trans-1,3-Dichloropropene             | ND        |              | 1.0 | 0.37 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Trichloroethene                       | ND        |              | 1.0 | 0.46 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Trichlorofluoromethane                | ND        |              | 1.0 | 0.88 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Vinyl chloride                        | ND        |              | 1.0 | 0.90 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Xylenes, Total                        | ND        |              | 2.0 | 0.66 | ug/L |   |          | 05/31/19 10:44 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

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

Lab Sample ID: MB 480-475516/7

Matrix: Water

Analysis Batch: 475516

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                      | MB Result    | MB Qualifier | RL       | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|-----|------|---|----------|----------------|---------|
| t-Butyl alcohol              | ND           |              | 10       | 3.3 | ug/L |   |          | 05/31/19 10:44 | 1       |
| Surrogate                    | MB %Recovery | MB Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 95           |              | 77 - 120 |     |      |   |          | 05/31/19 10:44 | 1       |
| 4-Bromofluorobenzene (Surr)  | 88           |              | 73 - 120 |     |      |   |          | 05/31/19 10:44 | 1       |
| Dibromofluoromethane (Surr)  | 95           |              | 75 - 123 |     |      |   |          | 05/31/19 10:44 | 1       |
| Toluene-d8 (Surr)            | 92           |              | 80 - 120 |     |      |   |          | 05/31/19 10:44 | 1       |

Lab Sample ID: LCS 480-475516/5

Matrix: Water

Analysis Batch: 475516

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,1,1-Trichloroethane                 | 25.0        | 27.1       |               | ug/L |   | 108  | 73 - 126     |
| 1,1,2,2-Tetrachloroethane             | 25.0        | 22.3       |               | ug/L |   | 89   | 76 - 120     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0        | 27.5       |               | ug/L |   | 110  | 61 - 148     |
| 1,1,2-Trichloroethane                 | 25.0        | 24.0       |               | ug/L |   | 96   | 76 - 122     |
| 1,1-Dichloroethane                    | 25.0        | 27.2       |               | ug/L |   | 109  | 77 - 120     |
| 1,1-Dichloroethene                    | 25.0        | 23.3       |               | ug/L |   | 93   | 66 - 127     |
| 1,2,4-Trichlorobenzene                | 25.0        | 25.1       |               | ug/L |   | 100  | 79 - 122     |
| 1,2-Dibromo-3-Chloropropane           | 25.0        | 21.9       |               | ug/L |   | 88   | 56 - 134     |
| 1,2-Dibromoethane                     | 25.0        | 23.5       |               | ug/L |   | 94   | 77 - 120     |
| 1,2-Dichlorobenzene                   | 25.0        | 24.8       |               | ug/L |   | 99   | 80 - 124     |
| 1,2-Dichloroethane                    | 25.0        | 25.2       |               | ug/L |   | 101  | 75 - 120     |
| 1,2-Dichloropropane                   | 25.0        | 26.6       |               | ug/L |   | 106  | 76 - 120     |
| 1,3-Dichlorobenzene                   | 25.0        | 24.7       |               | ug/L |   | 99   | 77 - 120     |
| 1,4-Dichlorobenzene                   | 25.0        | 24.9       |               | ug/L |   | 99   | 80 - 120     |
| 2-Butanone (MEK)                      | 125         | 108        |               | ug/L |   | 86   | 57 - 140     |
| 2-Hexanone                            | 125         | 116        |               | ug/L |   | 93   | 65 - 127     |
| 4-Methyl-2-pentanone (MIBK)           | 125         | 116        |               | ug/L |   | 93   | 71 - 125     |
| Acetone                               | 125         | 107        |               | ug/L |   | 85   | 56 - 142     |
| Benzene                               | 25.0        | 25.4       |               | ug/L |   | 102  | 71 - 124     |
| Bromodichloromethane                  | 25.0        | 26.2       |               | ug/L |   | 105  | 80 - 122     |
| Bromoform                             | 25.0        | 24.1       |               | ug/L |   | 96   | 61 - 132     |
| Bromomethane                          | 25.0        | 21.1       |               | ug/L |   | 84   | 55 - 144     |
| Carbon disulfide                      | 25.0        | 24.6       |               | ug/L |   | 98   | 59 - 134     |
| Carbon tetrachloride                  | 25.0        | 29.6       |               | ug/L |   | 118  | 72 - 134     |
| Chlorobenzene                         | 25.0        | 25.2       |               | ug/L |   | 101  | 80 - 120     |
| Chloroethane                          | 25.0        | 21.6       |               | ug/L |   | 87   | 69 - 136     |
| Chloroform                            | 25.0        | 24.8       |               | ug/L |   | 99   | 73 - 127     |
| Chloromethane                         | 25.0        | 21.9       |               | ug/L |   | 87   | 68 - 124     |
| cis-1,2-Dichloroethene                | 25.0        | 24.7       |               | ug/L |   | 99   | 74 - 124     |
| cis-1,3-Dichloropropene               | 25.0        | 25.3       |               | ug/L |   | 101  | 74 - 124     |
| Cyclohexane                           | 25.0        | 31.0       |               | ug/L |   | 124  | 59 - 135     |
| Dibromochloromethane                  | 25.0        | 27.6       |               | ug/L |   | 111  | 75 - 125     |
| Dichlorodifluoromethane               | 25.0        | 20.0       |               | ug/L |   | 80   | 59 - 135     |
| Ethylbenzene                          | 25.0        | 25.7       |               | ug/L |   | 103  | 77 - 123     |
| Isopropylbenzene                      | 25.0        | 25.8       |               | ug/L |   | 103  | 77 - 122     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

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

Lab Sample ID: LCS 480-475516/5

Matrix: Water

Analysis Batch: 475516

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Methyl acetate            | 50.0        | 43.6       |               | ug/L |   | 87   | 74 - 133     |
| Methyl tert-butyl ether   | 25.0        | 23.9       |               | ug/L |   | 96   | 77 - 120     |
| Methylcyclohexane         | 25.0        | 27.4       |               | ug/L |   | 110  | 68 - 134     |
| Methylene Chloride        | 25.0        | 22.8       |               | ug/L |   | 91   | 75 - 124     |
| Styrene                   | 25.0        | 24.8       |               | ug/L |   | 99   | 80 - 120     |
| Tetrachloroethene         | 25.0        | 27.1       |               | ug/L |   | 109  | 74 - 122     |
| Toluene                   | 25.0        | 25.0       |               | ug/L |   | 100  | 80 - 122     |
| trans-1,2-Dichloroethene  | 25.0        | 25.4       |               | ug/L |   | 102  | 73 - 127     |
| trans-1,3-Dichloropropene | 25.0        | 24.1       |               | ug/L |   | 96   | 80 - 120     |
| Trichloroethene           | 25.0        | 26.3       |               | ug/L |   | 105  | 74 - 123     |
| Trichlorofluoromethane    | 25.0        | 23.1       |               | ug/L |   | 92   | 62 - 150     |
| Vinyl chloride            | 25.0        | 22.1       |               | ug/L |   | 88   | 65 - 133     |
| t-Butyl alcohol           | 250         | 215        |               | ug/L |   | 86   | 75 - 125     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 99            |               | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 94            |               | 73 - 120 |
| Dibromofluoromethane (Surr)  | 99            |               | 75 - 123 |
| Toluene-d8 (Surr)            | 91            |               | 80 - 120 |

Lab Sample ID: MB 480-475674/7

Matrix: Water

Analysis Batch: 475674

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 |   |          | 06/01/19 00:02 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 1.0 | 0.21 | ug/L |   |          | 06/01/19 00:02 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 1.0 | 0.31 | ug/L |   |          | 06/01/19 00:02 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 1.0 | 0.23 | ug/L |   |          | 06/01/19 00:02 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 1.0 | 0.38 | ug/L |   |          | 06/01/19 00:02 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 1.0 | 0.29 | ug/L |   |          | 06/01/19 00:02 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 1.0 | 0.41 | ug/L |   |          | 06/01/19 00:02 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0 | 0.39 | ug/L |   |          | 06/01/19 00:02 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 1.0 | 0.73 | ug/L |   |          | 06/01/19 00:02 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 1.0 | 0.79 | ug/L |   |          | 06/01/19 00:02 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 1.0 | 0.21 | ug/L |   |          | 06/01/19 00:02 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 1.0 | 0.72 | ug/L |   |          | 06/01/19 00:02 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 1.0 | 0.78 | ug/L |   |          | 06/01/19 00:02 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 1.0 | 0.84 | ug/L |   |          | 06/01/19 00:02 | 1       |
| 2-Butanone (MEK)                      | ND        |              | 10  | 1.3  | ug/L |   |          | 06/01/19 00:02 | 1       |
| 2-Hexanone                            | ND        |              | 5.0 | 1.2  | ug/L |   |          | 06/01/19 00:02 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND        |              | 5.0 | 2.1  | ug/L |   |          | 06/01/19 00:02 | 1       |
| Acetone                               | ND        |              | 10  | 3.0  | ug/L |   |          | 06/01/19 00:02 | 1       |
| Benzene                               | ND        |              | 1.0 | 0.41 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Bromodichloromethane                  | ND        |              | 1.0 | 0.39 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Bromoform                             | ND        |              | 1.0 | 0.26 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Bromomethane                          | ND        |              | 1.0 | 0.69 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Carbon disulfide                      | ND        |              | 1.0 | 0.19 | ug/L |   |          | 06/01/19 00:02 | 1       |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

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

Lab Sample ID: MB 480-475674/7

Matrix: Water

Analysis Batch: 475674

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|-----|------|------|---|----------|----------------|---------|
| Carbon tetrachloride      | ND        |              | 1.0 | 0.27 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Chlorobenzene             | ND        |              | 1.0 | 0.75 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Chloroethane              | ND        |              | 1.0 | 0.32 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Chloroform                | ND        |              | 1.0 | 0.34 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Chloromethane             | ND        |              | 1.0 | 0.35 | ug/L |   |          | 06/01/19 00:02 | 1       |
| cis-1,2-Dichloroethene    | ND        |              | 1.0 | 0.81 | ug/L |   |          | 06/01/19 00:02 | 1       |
| cis-1,3-Dichloropropene   | ND        |              | 1.0 | 0.36 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Cyclohexane               | ND        |              | 1.0 | 0.18 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Dibromochloromethane      | ND        |              | 1.0 | 0.32 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Dichlorodifluoromethane   | ND        |              | 1.0 | 0.68 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Ethylbenzene              | ND        |              | 1.0 | 0.74 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Isopropylbenzene          | ND        |              | 1.0 | 0.79 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Methyl acetate            | ND        |              | 2.5 | 1.3  | ug/L |   |          | 06/01/19 00:02 | 1       |
| Methyl tert-butyl ether   | ND        |              | 1.0 | 0.16 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Methylcyclohexane         | ND        |              | 1.0 | 0.16 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Methylene Chloride        | ND        |              | 1.0 | 0.44 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Styrene                   | ND        |              | 1.0 | 0.73 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Tetrachloroethene         | ND        |              | 1.0 | 0.36 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Toluene                   | ND        |              | 1.0 | 0.51 | ug/L |   |          | 06/01/19 00:02 | 1       |
| trans-1,2-Dichloroethene  | ND        |              | 1.0 | 0.90 | ug/L |   |          | 06/01/19 00:02 | 1       |
| trans-1,3-Dichloropropene | ND        |              | 1.0 | 0.37 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Trichloroethene           | ND        |              | 1.0 | 0.46 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Trichlorofluoromethane    | ND        |              | 1.0 | 0.88 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Vinyl chloride            | ND        |              | 1.0 | 0.90 | ug/L |   |          | 06/01/19 00:02 | 1       |
| Xylenes, Total            | ND        |              | 2.0 | 0.66 | ug/L |   |          | 06/01/19 00:02 | 1       |
| t-Butyl alcohol           | ND        |              | 10  | 3.3  | ug/L |   |          | 06/01/19 00:02 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99           |              | 77 - 120 |          | 06/01/19 00:02 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90           |              | 73 - 120 |          | 06/01/19 00:02 | 1       |
| Dibromofluoromethane (Surr)  | 97           |              | 75 - 123 |          | 06/01/19 00:02 | 1       |
| Toluene-d8 (Surr)            | 96           |              | 80 - 120 |          | 06/01/19 00:02 | 1       |

Lab Sample ID: LCS 480-475674/5

Matrix: Water

Analysis Batch: 475674

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        | 30.7       |               | ug/L |   | 123  | 73 - 126     |
| 1,1,2,2-Tetrachloroethane             | 25.0        | 28.5       |               | ug/L |   | 114  | 76 - 120     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0        | 29.2       |               | ug/L |   | 117  | 61 - 148     |
| 1,1,2-Trichloroethane                 | 25.0        | 28.3       |               | ug/L |   | 113  | 76 - 122     |
| 1,1-Dichloroethane                    | 25.0        | 28.2       |               | ug/L |   | 113  | 77 - 120     |
| 1,1-Dichloroethene                    | 25.0        | 27.7       |               | ug/L |   | 111  | 66 - 127     |
| 1,2,4-Trichlorobenzene                | 25.0        | 27.0       |               | ug/L |   | 108  | 79 - 122     |
| 1,2-Dibromo-3-Chloropropane           | 25.0        | 26.7       |               | ug/L |   | 107  | 56 - 134     |
| 1,2-Dibromoethane                     | 25.0        | 27.3       |               | ug/L |   | 109  | 77 - 120     |
| 1,2-Dichlorobenzene                   | 25.0        | 27.9       |               | ug/L |   | 111  | 80 - 124     |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

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

Lab Sample ID: LCS 480-475674/5

Matrix: Water

Analysis Batch: 475674

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,2-Dichloroethane          | 25.0        | 26.8       |               | ug/L |   | 107  | 75 - 120     |
| 1,2-Dichloropropane         | 25.0        | 27.7       |               | ug/L |   | 111  | 76 - 120     |
| 1,3-Dichlorobenzene         | 25.0        | 28.9       |               | ug/L |   | 116  | 77 - 120     |
| 1,4-Dichlorobenzene         | 25.0        | 27.5       |               | ug/L |   | 110  | 80 - 120     |
| 2-Butanone (MEK)            | 125         | 133        |               | ug/L |   | 106  | 57 - 140     |
| 2-Hexanone                  | 125         | 142        |               | ug/L |   | 114  | 65 - 127     |
| 4-Methyl-2-pentanone (MIBK) | 125         | 131        |               | ug/L |   | 105  | 71 - 125     |
| Acetone                     | 125         | 122        |               | ug/L |   | 98   | 56 - 142     |
| Benzene                     | 25.0        | 27.3       |               | ug/L |   | 109  | 71 - 124     |
| Bromodichloromethane        | 25.0        | 26.1       |               | ug/L |   | 105  | 80 - 122     |
| Bromoform                   | 25.0        | 26.5       |               | ug/L |   | 106  | 61 - 132     |
| Bromomethane                | 25.0        | 22.9       |               | ug/L |   | 91   | 55 - 144     |
| Carbon disulfide            | 25.0        | 29.4       |               | ug/L |   | 118  | 59 - 134     |
| Carbon tetrachloride        | 25.0        | 28.2       |               | ug/L |   | 113  | 72 - 134     |
| Chlorobenzene               | 25.0        | 27.9       |               | ug/L |   | 112  | 80 - 120     |
| Chloroethane                | 25.0        | 25.3       |               | ug/L |   | 101  | 69 - 136     |
| Chloroform                  | 25.0        | 26.4       |               | ug/L |   | 106  | 73 - 127     |
| Chloromethane               | 25.0        | 27.8       |               | ug/L |   | 111  | 68 - 124     |
| cis-1,2-Dichloroethene      | 25.0        | 26.1       |               | ug/L |   | 105  | 74 - 124     |
| cis-1,3-Dichloropropene     | 25.0        | 26.2       |               | ug/L |   | 105  | 74 - 124     |
| Cyclohexane                 | 25.0        | 31.0       |               | ug/L |   | 124  | 59 - 135     |
| Dibromochloromethane        | 25.0        | 25.4       |               | ug/L |   | 101  | 75 - 125     |
| Dichlorodifluoromethane     | 25.0        | 32.8       |               | ug/L |   | 131  | 59 - 135     |
| Ethylbenzene                | 25.0        | 29.6       |               | ug/L |   | 118  | 77 - 123     |
| Isopropylbenzene            | 25.0        | 29.7       |               | ug/L |   | 119  | 77 - 122     |
| Methyl acetate              | 50.0        | 54.0       |               | ug/L |   | 108  | 74 - 133     |
| Methyl tert-butyl ether     | 25.0        | 26.6       |               | ug/L |   | 106  | 77 - 120     |
| Methylcyclohexane           | 25.0        | 27.7       |               | ug/L |   | 111  | 68 - 134     |
| Methylene Chloride          | 25.0        | 26.4       |               | ug/L |   | 106  | 75 - 124     |
| Styrene                     | 25.0        | 26.8       |               | ug/L |   | 107  | 80 - 120     |
| Tetrachloroethene           | 25.0        | 26.4       |               | ug/L |   | 106  | 74 - 122     |
| Toluene                     | 25.0        | 28.3       |               | ug/L |   | 113  | 80 - 122     |
| trans-1,2-Dichloroethene    | 25.0        | 28.7       |               | ug/L |   | 115  | 73 - 127     |
| trans-1,3-Dichloropropene   | 25.0        | 29.1       |               | ug/L |   | 116  | 80 - 120     |
| Trichloroethene             | 25.0        | 27.3       |               | ug/L |   | 109  | 74 - 123     |
| Trichlorofluoromethane      | 25.0        | 25.6       |               | ug/L |   | 103  | 62 - 150     |
| Vinyl chloride              | 25.0        | 27.6       |               | ug/L |   | 110  | 65 - 133     |
| t-Butyl alcohol             | 250         | 284        |               | ug/L |   | 114  | 75 - 125     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 100           |               | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 97            |               | 73 - 120 |
| Dibromofluoromethane (Surr)  | 94            |               | 75 - 123 |
| Toluene-d8 (Surr)            | 101           |               | 80 - 120 |

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

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

Lab Sample ID: MB 480-474679/1-A

Matrix: Water

Analysis Batch: 475171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474679

| Analyte                       | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND        |              | 5.0 | 0.48 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2,4,6-Trichlorophenol         | ND        |              | 5.0 | 0.61 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2,4-Dichlorophenol            | ND        |              | 5.0 | 0.51 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2,4-Dimethylphenol            | ND        |              | 5.0 | 0.50 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2,4-Dinitrophenol             | ND        |              | 10  | 2.2  | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2,4-Dinitrotoluene            | ND        |              | 5.0 | 0.45 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2,6-Dinitrotoluene            | ND        |              | 5.0 | 0.40 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2-Chloronaphthalene           | ND        |              | 5.0 | 0.46 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2-Chlorophenol                | ND        |              | 5.0 | 0.53 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2-Methylnaphthalene           | ND        |              | 5.0 | 0.60 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2-Methylphenol                | ND        |              | 5.0 | 0.40 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2-Nitroaniline                | ND        |              | 10  | 0.42 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2-Nitrophenol                 | ND        |              | 5.0 | 0.48 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 3,3'-Dichlorobenzidine        | ND        |              | 5.0 | 0.40 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 3-Nitroaniline                | ND        |              | 10  | 0.48 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND        |              | 10  | 2.2  | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 4-Bromophenyl phenyl ether    | ND        |              | 5.0 | 0.45 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 4-Chloro-3-methylphenol       | ND        |              | 5.0 | 0.45 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 4-Chloroaniline               | ND        |              | 5.0 | 0.59 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 4-Chlorophenyl phenyl ether   | ND        |              | 5.0 | 0.35 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 4-Methylphenol                | ND        |              | 10  | 0.36 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 4-Nitroaniline                | ND        |              | 10  | 0.25 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 4-Nitrophenol                 | ND        |              | 10  | 1.5  | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Acenaphthene                  | ND        |              | 5.0 | 0.41 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Acenaphthylene                | ND        |              | 5.0 | 0.38 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Acetophenone                  | ND        |              | 5.0 | 0.54 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Anthracene                    | ND        |              | 5.0 | 0.28 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Atrazine                      | ND        |              | 5.0 | 0.46 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Benzaldehyde                  | ND        |              | 5.0 | 0.27 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Benzo(a)anthracene            | ND        |              | 5.0 | 0.36 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Benzo(a)pyrene                | ND        |              | 5.0 | 0.47 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Benzo(b)fluoranthene          | ND        |              | 5.0 | 0.34 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Benzo(g,h,i)perylene          | ND        |              | 5.0 | 0.35 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Benzo(k)fluoranthene          | ND        |              | 5.0 | 0.73 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Biphenyl                      | ND        |              | 5.0 | 0.65 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| bis (2-chloroisopropyl) ether | ND        |              | 5.0 | 0.52 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Bis(2-chloroethoxy)methane    | ND        |              | 5.0 | 0.35 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Bis(2-chloroethyl)ether       | ND        |              | 5.0 | 0.40 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND        |              | 5.0 | 2.2  | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Butyl benzyl phthalate        | ND        |              | 5.0 | 1.0  | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Caprolactam                   | ND        |              | 5.0 | 2.2  | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Carbazole                     | ND        |              | 5.0 | 0.30 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Chrysene                      | ND        |              | 5.0 | 0.33 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Dibenz(a,h)anthracene         | ND        |              | 5.0 | 0.42 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Dibenzofuran                  | ND        |              | 10  | 0.51 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Diethyl phthalate             | ND        |              | 5.0 | 0.22 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Dimethyl phthalate            | ND        |              | 5.0 | 0.36 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Di-n-butyl phthalate          | ND        |              | 5.0 | 0.31 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

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

Lab Sample ID: MB 480-474679/1-A

Matrix: Water

Analysis Batch: 475171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474679

| Analyte                   | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND        |              | 5.0 | 0.47 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Fluoranthene              | ND        |              | 5.0 | 0.40 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Fluorene                  | ND        |              | 5.0 | 0.36 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Hexachlorobenzene         | ND        |              | 5.0 | 0.51 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Hexachlorobutadiene       | ND        |              | 5.0 | 0.68 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Hexachlorocyclopentadiene | ND        |              | 5.0 | 0.59 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Hexachloroethane          | ND        |              | 5.0 | 0.59 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND        |              | 5.0 | 0.47 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Isophorone                | ND        |              | 5.0 | 0.43 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Naphthalene               | ND        |              | 5.0 | 0.76 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Nitrobenzene              | ND        |              | 5.0 | 0.29 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| N-Nitrosodi-n-propylamine | ND        |              | 5.0 | 0.54 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| N-Nitrosodiphenylamine    | ND        |              | 5.0 | 0.51 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Pentachlorophenol         | ND        |              | 10  | 2.2  | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Phenanthrene              | ND        |              | 5.0 | 0.44 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Phenol                    | ND        |              | 5.0 | 0.39 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Pyrene                    | ND        |              | 5.0 | 0.34 | ug/L |   | 05/24/19 15:55 | 05/29/19 21:30 | 1       |

| Surrogate            | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------------|--------------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 81           |              | 41 - 120 | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2-Fluorobiphenyl     | 84           |              | 48 - 120 | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| 2-Fluorophenol       | 62           |              | 35 - 120 | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Nitrobenzene-d5      | 76           |              | 46 - 120 | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| Phenol-d5            | 47           |              | 22 - 120 | 05/24/19 15:55 | 05/29/19 21:30 | 1       |
| p-Terphenyl-d14      | 91           |              | 59 - 136 | 05/24/19 15:55 | 05/29/19 21:30 | 1       |

Lab Sample ID: LCS 480-474679/2-A

Matrix: Water

Analysis Batch: 475171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474679

| Analyte                    | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 2,4,5-Trichlorophenol      | 32.0        | 27.5       |               | ug/L |   | 86   | 65 - 126     |
| 2,4,6-Trichlorophenol      | 32.0        | 26.3       |               | ug/L |   | 82   | 64 - 120     |
| 2,4-Dichlorophenol         | 32.0        | 26.2       |               | ug/L |   | 82   | 63 - 120     |
| 2,4-Dimethylphenol         | 32.0        | 26.1       |               | ug/L |   | 82   | 47 - 120     |
| 2,4-Dinitrophenol          | 64.0        | 66.6       |               | ug/L |   | 104  | 31 - 137     |
| 2,4-Dinitrotoluene         | 32.0        | 30.8       |               | ug/L |   | 96   | 69 - 120     |
| 2,6-Dinitrotoluene         | 32.0        | 29.2       |               | ug/L |   | 91   | 68 - 120     |
| 2-Chloronaphthalene        | 32.0        | 25.2       |               | ug/L |   | 79   | 58 - 120     |
| 2-Chlorophenol             | 32.0        | 25.1       |               | ug/L |   | 78   | 48 - 120     |
| 2-Methylnaphthalene        | 32.0        | 26.0       |               | ug/L |   | 81   | 59 - 120     |
| 2-Methylphenol             | 32.0        | 25.3       |               | ug/L |   | 79   | 39 - 120     |
| 2-Nitroaniline             | 32.0        | 28.6       |               | ug/L |   | 89   | 54 - 127     |
| 2-Nitrophenol              | 32.0        | 27.4       |               | ug/L |   | 86   | 52 - 125     |
| 3,3'-Dichlorobenzidine     | 64.0        | 65.1       |               | ug/L |   | 102  | 49 - 135     |
| 3-Nitroaniline             | 32.0        | 26.4       |               | ug/L |   | 82   | 51 - 120     |
| 4,6-Dinitro-2-methylphenol | 64.0        | 70.3       |               | ug/L |   | 110  | 46 - 136     |
| 4-Bromophenyl phenyl ether | 32.0        | 27.6       |               | ug/L |   | 86   | 65 - 120     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

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

Lab Sample ID: LCS 480-474679/2-A

Matrix: Water

Analysis Batch: 475171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474679

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 4-Chloro-3-methylphenol       | 32.0        | 27.2       |               | ug/L |   | 85   | 61 - 123     |
| 4-Chloroaniline               | 32.0        | 24.0       |               | ug/L |   | 75   | 30 - 120     |
| 4-Chlorophenyl phenyl ether   | 32.0        | 27.3       |               | ug/L |   | 85   | 62 - 120     |
| 4-Methylphenol                | 32.0        | 24.6       |               | ug/L |   | 77   | 29 - 131     |
| 4-Nitroaniline                | 32.0        | 30.8       |               | ug/L |   | 96   | 65 - 120     |
| 4-Nitrophenol                 | 64.0        | 49.8       |               | ug/L |   | 78   | 45 - 120     |
| Acenaphthene                  | 32.0        | 26.1       |               | ug/L |   | 82   | 60 - 120     |
| Acenaphthylene                | 32.0        | 28.0       |               | ug/L |   | 88   | 63 - 120     |
| Acetophenone                  | 32.0        | 26.2       |               | ug/L |   | 82   | 45 - 120     |
| Anthracene                    | 32.0        | 29.1       |               | ug/L |   | 91   | 67 - 120     |
| Atrazine                      | 64.0        | 69.8       |               | ug/L |   | 109  | 71 - 130     |
| Benzaldehyde                  | 64.0        | 48.3       |               | ug/L |   | 76   | 10 - 140     |
| Benzo(a)anthracene            | 32.0        | 30.1       |               | ug/L |   | 94   | 70 - 121     |
| Benzo(a)pyrene                | 32.0        | 28.7       |               | ug/L |   | 90   | 60 - 123     |
| Benzo(b)fluoranthene          | 32.0        | 31.9       |               | ug/L |   | 100  | 66 - 126     |
| Benzo(g,h,i)perylene          | 32.0        | 29.9       |               | ug/L |   | 93   | 66 - 150     |
| Benzo(k)fluoranthene          | 32.0        | 32.3       |               | ug/L |   | 101  | 65 - 124     |
| Biphenyl                      | 32.0        | 25.4       |               | ug/L |   | 80   | 59 - 120     |
| bis (2-chloroisopropyl) ether | 32.0        | 24.1       |               | ug/L |   | 75   | 21 - 136     |
| Bis(2-chloroethoxy)methane    | 32.0        | 26.1       |               | ug/L |   | 82   | 50 - 128     |
| Bis(2-chloroethyl)ether       | 32.0        | 25.4       |               | ug/L |   | 79   | 44 - 120     |
| Bis(2-ethylhexyl) phthalate   | 32.0        | 31.0       |               | ug/L |   | 97   | 63 - 139     |
| Butyl benzyl phthalate        | 32.0        | 30.9       |               | ug/L |   | 97   | 70 - 129     |
| Caprolactam                   | 64.0        | 22.6       |               | ug/L |   | 35   | 22 - 120     |
| Carbazole                     | 32.0        | 31.0       |               | ug/L |   | 97   | 66 - 123     |
| Chrysene                      | 32.0        | 30.2       |               | ug/L |   | 94   | 69 - 120     |
| Dibenz(a,h)anthracene         | 32.0        | 30.0       |               | ug/L |   | 94   | 65 - 135     |
| Dibenzofuran                  | 32.0        | 26.8       |               | ug/L |   | 84   | 66 - 120     |
| Diethyl phthalate             | 32.0        | 29.8       |               | ug/L |   | 93   | 59 - 127     |
| Dimethyl phthalate            | 32.0        | 28.4       |               | ug/L |   | 89   | 68 - 120     |
| Di-n-butyl phthalate          | 32.0        | 31.5       |               | ug/L |   | 99   | 69 - 131     |
| Di-n-octyl phthalate          | 32.0        | 31.9       |               | ug/L |   | 100  | 63 - 140     |
| Fluoranthene                  | 32.0        | 30.9       |               | ug/L |   | 96   | 69 - 126     |
| Fluorene                      | 32.0        | 27.5       |               | ug/L |   | 86   | 66 - 120     |
| Hexachlorobenzene             | 32.0        | 27.0       |               | ug/L |   | 84   | 61 - 120     |
| Hexachlorobutadiene           | 32.0        | 21.3       |               | ug/L |   | 66   | 35 - 120     |
| Hexachlorocyclopentadiene     | 32.0        | 22.4       |               | ug/L |   | 70   | 31 - 120     |
| Hexachloroethane              | 32.0        | 21.5       |               | ug/L |   | 67   | 43 - 120     |
| Indeno(1,2,3-cd)pyrene        | 32.0        | 29.7       |               | ug/L |   | 93   | 69 - 146     |
| Isophorone                    | 32.0        | 26.8       |               | ug/L |   | 84   | 55 - 120     |
| Naphthalene                   | 32.0        | 24.9       |               | ug/L |   | 78   | 57 - 120     |
| Nitrobenzene                  | 32.0        | 26.1       |               | ug/L |   | 81   | 53 - 123     |
| N-Nitrosodi-n-propylamine     | 32.0        | 26.2       |               | ug/L |   | 82   | 32 - 140     |
| N-Nitrosodiphenylamine        | 32.0        | 28.1       |               | ug/L |   | 88   | 61 - 120     |
| Pentachlorophenol             | 64.0        | 60.4       |               | ug/L |   | 94   | 29 - 136     |
| Phenanthrene                  | 32.0        | 27.9       |               | ug/L |   | 87   | 68 - 120     |
| Phenol                        | 32.0        | 17.9       |               | ug/L |   | 56   | 17 - 120     |
| Pyrene                        | 32.0        | 30.2       |               | ug/L |   | 94   | 70 - 125     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

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

Lab Sample ID: LCS 480-474679/2-A

Matrix: Water

Analysis Batch: 475171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474679

|                      | LCS       | LCS       |          |
|----------------------|-----------|-----------|----------|
| Surrogate            | %Recovery | Qualifier | Limits   |
| 2,4,6-Tribromophenol | 92        |           | 41 - 120 |
| 2-Fluorobiphenyl     | 80        |           | 48 - 120 |
| 2-Fluorophenol       | 64        |           | 35 - 120 |
| Nitrobenzene-d5      | 80        |           | 46 - 120 |
| Phenol-d5            | 52        |           | 22 - 120 |
| p-Terphenyl-d14      | 93        |           | 59 - 136 |

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-474688/1-A

Matrix: Water

Analysis Batch: 475144

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474688

| Analyte          | MB        | MB        |          |      |      |   |                |                |     |     |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|-----|-----|
|                  | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil | Fac |
| 1,4-Dioxane      | ND        |           | 0.20     | 0.10 | ug/L |   | 05/24/19 16:11 | 05/30/19 02:27 | 1   |     |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil | Fac |
| 1,4-Dioxane-d8   | 27        |           | 15 - 110 |      |      |   | 05/24/19 16:11 | 05/30/19 02:27 | 1   |     |

Lab Sample ID: LCS 480-474688/2-A

Matrix: Water

Analysis Batch: 475144

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474688

| Analyte          |           | Spike     | LCS      | LCS       |      |   |      |          |  |  |
|------------------|-----------|-----------|----------|-----------|------|---|------|----------|--|--|
|                  |           | Added     | Result   | Qualifier | Unit | D | %Rec | Limits   |  |  |
| 1,4-Dioxane      |           | 1.00      | 1.16     |           | ug/L |   | 116  | 40 - 140 |  |  |
| Isotope Dilution | %Recovery | Qualifier | Limits   |           |      |   |      |          |  |  |
| 1,4-Dioxane-d8   | 27        |           | 15 - 110 |           |      |   |      |          |  |  |

## Method: 310.13 - Identification of Routine Petroleum Products

Lab Sample ID: MB 480-474965/1-A

Matrix: Water

Analysis Batch: 474995

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474965

| Analyte              | MB     | MB        |      |      |      |   |                |                |     |     |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|-----|-----|
|                      | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil | Fac |
| Gasoline             | ND     |           | 0.20 | 0.20 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:38 | 1   |     |
| Kerosene             | ND     |           | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:38 | 1   |     |
| Motor Oil            | ND     |           | 1.0  | 1.0  | mg/L |   | 05/28/19 16:05 | 05/29/19 13:38 | 1   |     |
| Fuel Oil #2          | ND     |           | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:38 | 1   |     |
| Fuel Oil #4          | ND     |           | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:38 | 1   |     |
| Fuel Oil #6          | ND     |           | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:38 | 1   |     |
| Unknown Hydrocarbons | ND     |           | 0.20 | 0.20 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:38 | 1   |     |

Lab Sample ID: LCS 480-474965/2-A

Matrix: Water

Analysis Batch: 474995

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474965

| Analyte     |  | Spike | LCS    | LCS       |      |   |      |          |  |  |
|-------------|--|-------|--------|-----------|------|---|------|----------|--|--|
|             |  | Added | Result | Qualifier | Unit | D | %Rec | Limits   |  |  |
| Fuel Oil #2 |  | 1.50  | 1.40   |           | mg/L |   | 93   | 50 - 150 |  |  |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

## Method: 310.13 - Identification of Routine Petroleum Products

Lab Sample ID: LCSD 480-474965/3-A

Matrix: Water

Analysis Batch: 474995

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 474965

| Analyte     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Fuel Oil #2 | 1.50        | 1.52        |                | mg/L |   | 101  | 50 - 150     | 8   | 50        |

## Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-474461/1-A

Matrix: Water

Analysis Batch: 474539

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474461

| Analyte                | MB Result    | MB Qualifier | RL       | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND           |              | 0.050    | 0.0092 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| 4,4'-DDE               | ND           |              | 0.050    | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| 4,4'-DDT               | ND           |              | 0.050    | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Aldrin                 | ND           |              | 0.050    | 0.0081 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| alpha-BHC              | ND           |              | 0.050    | 0.0077 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| cis-Chlordane          | ND           |              | 0.050    | 0.015  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| beta-BHC               | ND           |              | 0.050    | 0.025  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| delta-BHC              | ND           |              | 0.050    | 0.010  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Dieldrin               | ND           |              | 0.050    | 0.0098 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endosulfan I           | ND           |              | 0.050    | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endosulfan II          | ND           |              | 0.050    | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endosulfan sulfate     | ND           |              | 0.050    | 0.016  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endrin                 | ND           |              | 0.050    | 0.014  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endrin aldehyde        | ND           |              | 0.050    | 0.016  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Endrin ketone          | ND           |              | 0.050    | 0.012  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| gamma-BHC (Lindane)    | 0.0155       | J            | 0.050    | 0.0080 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| trans-Chlordane        | ND           |              | 0.050    | 0.011  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Heptachlor             | ND           |              | 0.050    | 0.0085 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Heptachlor epoxide     | ND           |              | 0.050    | 0.0074 | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Methoxychlor           | ND           |              | 0.050    | 0.014  | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Toxaphene              | ND           |              | 0.50     | 0.12   | ug/L |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Surrogate              | MB %Recovery | MB Qualifier | Limits   |        |      |   | Prepared       | Analyzed       | Dil Fac |
| DCB Decachlorobiphenyl | 50           |              | 20 - 120 |        |      |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |
| Tetrachloro-m-xylene   | 85           |              | 44 - 120 |        |      |   | 05/23/19 15:00 | 05/24/19 10:29 | 1       |

Lab Sample ID: LCS 480-474461/2-A

Matrix: Water

Analysis Batch: 474539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474461

| Analyte       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------|-------------|------------|---------------|------|---|------|--------------|
| 4,4'-DDD      | 0.400       | 0.383      |               | ug/L |   | 96   | 64 - 129     |
| 4,4'-DDE      | 0.400       | 0.313      |               | ug/L |   | 78   | 50 - 120     |
| 4,4'-DDT      | 0.400       | 0.409      |               | ug/L |   | 102  | 59 - 120     |
| Aldrin        | 0.400       | 0.237      |               | ug/L |   | 59   | 40 - 125     |
| alpha-BHC     | 0.400       | 0.272      |               | ug/L |   | 68   | 52 - 125     |
| cis-Chlordane | 0.400       | 0.312      |               | ug/L |   | 78   | 52 - 120     |
| beta-BHC      | 0.400       | 0.323      |               | ug/L |   | 81   | 51 - 120     |
| delta-BHC     | 0.400       | 0.346      |               | ug/L |   | 87   | 51 - 120     |
| Dieldrin      | 0.400       | 0.374      |               | ug/L |   | 93   | 66 - 128     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

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

Lab Sample ID: LCS 480-474461/2-A

Matrix: Water

Analysis Batch: 474539

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474461

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|------|---|------|--------------|
| Endosulfan I        | 0.400       | 0.355      |               | ug/L |   | 89   | 57 - 120     |
| Endosulfan II       | 0.400       | 0.406      |               | ug/L |   | 102  | 66 - 131     |
| Endosulfan sulfate  | 0.400       | 0.387      |               | ug/L |   | 97   | 66 - 136     |
| Endrin              | 0.400       | 0.386      |               | ug/L |   | 96   | 65 - 135     |
| Endrin aldehyde     | 0.400       | 0.288      |               | ug/L |   | 72   | 61 - 134     |
| Endrin ketone       | 0.400       | 0.422      |               | ug/L |   | 106  | 71 - 133     |
| gamma-BHC (Lindane) | 0.400       | 0.293      |               | ug/L |   | 73   | 56 - 120     |
| trans-Chlordane     | 0.400       | 0.316      |               | ug/L |   | 79   | 54 - 120     |
| Heptachlor          | 0.400       | 0.316      |               | ug/L |   | 79   | 58 - 120     |
| Heptachlor epoxide  | 0.400       | 0.337      |               | ug/L |   | 84   | 65 - 125     |
| Methoxychlor        | 0.400       | 0.427      |               | ug/L |   | 107  | 50 - 150     |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| DCB Decachlorobiphenyl | 46            |               | 20 - 120 |
| Tetrachloro-m-xylene   | 66            |               | 44 - 120 |

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

Lab Sample ID: MB 480-475155/1-A

Matrix: Water

Analysis Batch: 475349

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475155

| Analyte  | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| PCB-1016 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1221 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1232 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1242 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1248 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1254 | ND        |              | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1260 | ND        |              | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1262 | ND        |              | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1268 | ND        |              | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 75           |              | 39 - 121 | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| DCB Decachlorobiphenyl | 58           |              | 19 - 120 | 05/29/19 15:43 | 05/30/19 14:33 | 1       |

Lab Sample ID: LCS 480-475155/2-A

Matrix: Water

Analysis Batch: 475349

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475155

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| PCB-1016 | 4.00        | 3.16       |               | ug/L |   | 79   | 62 - 130     |
| PCB-1260 | 4.00        | 2.73       |               | ug/L |   | 68   | 56 - 123     |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| Tetrachloro-m-xylene   | 62            |               | 39 - 121 |
| DCB Decachlorobiphenyl | 40            |               | 19 - 120 |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-474606/1-A  
Matrix: Water  
Analysis Batch: 476022

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 474606

| Analyte   | MB Result | MB Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND        |              | 0.20   | 0.060   | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Antimony  | ND        |              | 0.020  | 0.0068  | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Arsenic   | ND        |              | 0.015  | 0.0056  | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Barium    | ND        |              | 0.0020 | 0.00070 | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Beryllium | ND        |              | 0.0020 | 0.00030 | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Cadmium   | ND        |              | 0.0020 | 0.00050 | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Calcium   | ND        |              | 0.50   | 0.10    | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Chromium  | ND        |              | 0.0040 | 0.0010  | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Cobalt    | ND        |              | 0.0040 | 0.00063 | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Copper    | 0.00736   | J            | 0.010  | 0.0016  | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Iron      | ND        |              | 0.050  | 0.019   | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Lead      | ND        |              | 0.010  | 0.0030  | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Magnesium | ND        |              | 0.20   | 0.043   | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Manganese | 0.000680  | J            | 0.0030 | 0.00040 | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Nickel    | ND        |              | 0.010  | 0.0013  | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Potassium | ND        |              | 0.50   | 0.10    | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Selenium  | ND        |              | 0.025  | 0.0087  | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Silver    | ND        |              | 0.0060 | 0.0017  | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Sodium    | ND        |              | 1.0    | 0.32    | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Thallium  | ND        |              | 0.020  | 0.010   | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Vanadium  | ND        |              | 0.0050 | 0.0015  | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |
| Zinc      | 0.00519   | J            | 0.010  | 0.0015  | mg/L |   | 05/24/19 12:41 | 06/03/19 17:33 | 1       |

Lab Sample ID: LCS 480-474606/2-A  
Matrix: Water  
Analysis Batch: 476022

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 474606

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|-------------|------------|---------------|------|---|------|--------------|
| Aluminum  | 20.0        | 19.88      |               | mg/L |   | 99   | 80 - 120     |
| Antimony  | 0.200       | 0.227      |               | mg/L |   | 113  | 80 - 120     |
| Arsenic   | 0.200       | 0.210      |               | mg/L |   | 105  | 80 - 120     |
| Barium    | 0.400       | 0.431      |               | mg/L |   | 108  | 80 - 120     |
| Beryllium | 0.200       | 0.215      |               | mg/L |   | 107  | 80 - 120     |
| Cadmium   | 0.200       | 0.205      |               | mg/L |   | 103  | 80 - 120     |
| Calcium   | 10.0        | 10.28      |               | mg/L |   | 103  | 80 - 120     |
| Chromium  | 0.200       | 0.204      |               | mg/L |   | 102  | 80 - 120     |
| Cobalt    | 0.200       | 0.197      |               | mg/L |   | 98   | 80 - 120     |
| Copper    | 0.200       | 0.201      |               | mg/L |   | 101  | 80 - 120     |
| Iron      | 10.0        | 10.18      |               | mg/L |   | 102  | 80 - 120     |
| Lead      | 0.200       | 0.198      |               | mg/L |   | 99   | 80 - 120     |
| Magnesium | 10.0        | 10.10      |               | mg/L |   | 101  | 80 - 120     |
| Manganese | 0.200       | 0.198      |               | mg/L |   | 99   | 80 - 120     |
| Nickel    | 0.200       | 0.205      |               | mg/L |   | 103  | 80 - 120     |
| Potassium | 20.0        | 19.55      |               | mg/L |   | 98   | 80 - 120     |
| Selenium  | 0.200       | 0.206      |               | mg/L |   | 103  | 80 - 120     |
| Silver    | 0.0500      | 0.0498     |               | mg/L |   | 100  | 80 - 120     |
| Sodium    | 20.0        | 19.10      |               | mg/L |   | 95   | 80 - 120     |
| Thallium  | 0.200       | 0.204      |               | mg/L |   | 102  | 80 - 120     |
| Vanadium  | 0.200       | 0.203      |               | mg/L |   | 101  | 80 - 120     |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-474606/2-A

Matrix: Water

Analysis Batch: 476022

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474606

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Zinc    | 0.200       | 0.207      |               | mg/L |   | 104  | 80 - 120     |

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-474829/1-A

Matrix: Water

Analysis Batch: 474970

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474829

| Analyte | MB Result | MB Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND        |              | 0.00020 | 0.00012 | mg/L |   | 05/28/19 11:41 | 05/28/19 14:53 | 1       |

Lab Sample ID: LCS 480-474829/2-A

Matrix: Water

Analysis Batch: 474970

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474829

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Mercury | 0.00667     | 0.00688    |               | mg/L |   | 103  | 80 - 120     |

Lab Sample ID: 480-153957-5 MS

Matrix: Water

Analysis Batch: 474970

Client Sample ID: MW-11-03

Prep Type: Total/NA

Prep Batch: 474829

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Mercury | ND            |                  | 0.00667     | 0.00672   |              | mg/L |   | 101  | 80 - 120     |

Lab Sample ID: 480-153957-5 MSD

Matrix: Water

Analysis Batch: 474970

Client Sample ID: MW-11-03

Prep Type: Total/NA

Prep Batch: 474829

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-------|
| Mercury | ND            |                  | 0.00667     | 0.00675    |               | mg/L |   | 101  | 80 - 120     | 0   | 20    |

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

## GC/MS VOA

### Analysis Batch: 475481

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-153957-5     | MW-11-03           | Total/NA  | Water  | 8260C  |            |
| 480-153957-6     | MW-13-03           | Total/NA  | Water  | 8260C  |            |
| MB 480-475481/7  | Method Blank       | Total/NA  | Water  | 8260C  |            |
| LCS 480-475481/5 | Lab Control Sample | Total/NA  | Water  | 8260C  |            |

### Analysis Batch: 475511

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-153957-2     | MW-03-10           | Total/NA  | Water  | 8260C  |            |
| 480-153957-3     | MW-02-10           | Total/NA  | Water  | 8260C  |            |
| 480-153957-4     | MW-01-10           | Total/NA  | Water  | 8260C  |            |
| MB 480-475511/7  | Method Blank       | Total/NA  | Water  | 8260C  |            |
| LCS 480-475511/5 | Lab Control Sample | Total/NA  | Water  | 8260C  |            |

### Analysis Batch: 475516

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-153957-7     | MW-01-94           | Total/NA  | Water  | 8260C  |            |
| MB 480-475516/7  | Method Blank       | Total/NA  | Water  | 8260C  |            |
| LCS 480-475516/5 | Lab Control Sample | Total/NA  | Water  | 8260C  |            |

### Analysis Batch: 475674

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-153957-5 - DL | MW-11-03           | Total/NA  | Water  | 8260C  |            |
| MB 480-475674/7   | Method Blank       | Total/NA  | Water  | 8260C  |            |
| LCS 480-475674/5  | Lab Control Sample | Total/NA  | Water  | 8260C  |            |

## GC/MS Semi VOA

### Prep Batch: 474679

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153957-1       | MW-07-94           | Total/NA  | Water  | 3510C  |            |
| 480-153957-5       | MW-11-03           | Total/NA  | Water  | 3510C  |            |
| MB 480-474679/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-474679/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 474688

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153957-5       | MW-11-03           | Total/NA  | Water  | 3510C  |            |
| MB 480-474688/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-474688/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 475144

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method       | Prep Batch |
|--------------------|--------------------|-----------|--------|--------------|------------|
| MB 480-474688/1-A  | Method Blank       | Total/NA  | Water  | 8270D SIM ID | 474688     |
| LCS 480-474688/2-A | Lab Control Sample | Total/NA  | Water  | 8270D SIM ID | 474688     |

### Analysis Batch: 475171

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153957-1       | MW-07-94           | Total/NA  | Water  | 8270D  | 474679     |
| 480-153957-5       | MW-11-03           | Total/NA  | Water  | 8270D  | 474679     |
| MB 480-474679/1-A  | Method Blank       | Total/NA  | Water  | 8270D  | 474679     |
| LCS 480-474679/2-A | Lab Control Sample | Total/NA  | Water  | 8270D  | 474679     |

Eurofins TestAmerica, Buffalo

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

## GC/MS Semi VOA

### Analysis Batch: 475442

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 480-153957-5  | MW-11-03         | Total/NA  | Water  | 8270D SIM ID | 474688     |

## GC Semi VOA

### Prep Batch: 474461

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153957-5       | MW-11-03           | Total/NA  | Water  | 3510C  |            |
| MB 480-474461/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-474461/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 475439

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153957-5       | MW-11-03           | Total/NA  | Water  | 8081B  | 474461     |
| MB 480-474461/1-A  | Method Blank       | Total/NA  | Water  | 8081B  | 474461     |
| LCS 480-474461/2-A | Lab Control Sample | Total/NA  | Water  | 8081B  | 474461     |

### Prep Batch: 474965

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-153957-5        | MW-11-03               | Total/NA  | Water  | 3510C  |            |
| MB 480-474965/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 480-474965/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 480-474965/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 474995

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-153957-5        | MW-11-03               | Total/NA  | Water  | 310.13 | 474965     |
| MB 480-474965/1-A   | Method Blank           | Total/NA  | Water  | 310.13 | 474965     |
| LCS 480-474965/2-A  | Lab Control Sample     | Total/NA  | Water  | 310.13 | 474965     |
| LCSD 480-474965/3-A | Lab Control Sample Dup | Total/NA  | Water  | 310.13 | 474965     |

### Prep Batch: 475155

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153957-5       | MW-11-03           | Total/NA  | Water  | 3510C  |            |
| MB 480-475155/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-475155/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 475349

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153957-5       | MW-11-03           | Total/NA  | Water  | 8082A  | 475155     |
| MB 480-475155/1-A  | Method Blank       | Total/NA  | Water  | 8082A  | 475155     |
| LCS 480-475155/2-A | Lab Control Sample | Total/NA  | Water  | 8082A  | 475155     |

## Metals

### Prep Batch: 474606

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153957-5       | MW-11-03           | Total/NA  | Water  | 3005A  |            |
| MB 480-474606/1-A  | Method Blank       | Total/NA  | Water  | 3005A  |            |
| LCS 480-474606/2-A | Lab Control Sample | Total/NA  | Water  | 3005A  |            |

Eurofins TestAmerica, Buffalo

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

## Metals

### Prep Batch: 474829

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153957-5       | MW-11-03           | Total/NA  | Water  | 7470A  |            |
| MB 480-474829/1-A  | Method Blank       | Total/NA  | Water  | 7470A  |            |
| LCS 480-474829/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  |            |
| 480-153957-5 MS    | MW-11-03           | Total/NA  | Water  | 7470A  |            |
| 480-153957-5 MSD   | MW-11-03           | Total/NA  | Water  | 7470A  |            |

### Analysis Batch: 474970

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153957-5       | MW-11-03           | Total/NA  | Water  | 7470A  | 474829     |
| MB 480-474829/1-A  | Method Blank       | Total/NA  | Water  | 7470A  | 474829     |
| LCS 480-474829/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  | 474829     |
| 480-153957-5 MS    | MW-11-03           | Total/NA  | Water  | 7470A  | 474829     |
| 480-153957-5 MSD   | MW-11-03           | Total/NA  | Water  | 7470A  | 474829     |

### Analysis Batch: 476022

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-153957-5       | MW-11-03           | Total/NA  | Water  | 6010C  | 474606     |
| MB 480-474606/1-A  | Method Blank       | Total/NA  | Water  | 6010C  | 474606     |
| LCS 480-474606/2-A | Lab Control Sample | Total/NA  | Water  | 6010C  | 474606     |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

**Client Sample ID: MW-07-94**

**Lab Sample ID: 480-153957-1**

**Date Collected: 05/22/19 09:30**

**Matrix: Water**

**Date Received: 05/22/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 474679       | 05/24/19 15:55       | AAP     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 475171       | 05/30/19 04:13       | PJQ     | TAL BUF |

**Client Sample ID: MW-03-10**

**Lab Sample ID: 480-153957-2**

**Date Collected: 05/22/19 10:43**

**Matrix: Water**

**Date Received: 05/22/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 5               | 475511       | 05/31/19 11:16       | KMN     | TAL BUF |

**Client Sample ID: MW-02-10**

**Lab Sample ID: 480-153957-3**

**Date Collected: 05/22/19 10:59**

**Matrix: Water**

**Date Received: 05/22/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 475511       | 05/31/19 11:43       | KMN     | TAL BUF |

**Client Sample ID: MW-01-10**

**Lab Sample ID: 480-153957-4**

**Date Collected: 05/22/19 11:12**

**Matrix: Water**

**Date Received: 05/22/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 475511       | 05/31/19 12:09       | KMN     | TAL BUF |

**Client Sample ID: MW-11-03**

**Lab Sample ID: 480-153957-5**

**Date Collected: 05/22/19 11:40**

**Matrix: Water**

**Date Received: 05/22/19 15:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 2               | 475481       | 05/31/19 12:31       | LCH     | TAL BUF |
| Total/NA  | Analysis   | 8260C        | DL  | 5               | 475674       | 06/01/19 00:42       | OMI     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474679       | 05/24/19 15:55       | AAP     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 20              | 475171       | 05/30/19 04:41       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474688       | 05/24/19 16:11       | AAP     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 10              | 475442       | 05/30/19 22:38       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474965       | 05/28/19 16:05       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 474995       | 05/29/19 11:50       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474461       | 05/23/19 15:03       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 2               | 474539       | 05/24/19 14:05       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475155       | 05/29/19 15:43       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 475349       | 05/30/19 16:50       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 474606       | 05/24/19 12:41       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 476022       | 06/03/19 19:26       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 474829       | 05/28/19 11:41       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 474970       | 05/28/19 15:00       | BMB     | TAL BUF |

Eurofins TestAmerica, Buffalo

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

**Client Sample ID: MW-13-03**

**Date Collected: 05/22/19 13:43**

**Date Received: 05/22/19 15:00**

**Lab Sample ID: 480-153957-6**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 2               | 475481       | 05/31/19 12:55       | LCH     | TAL BUF |

**Client Sample ID: MW-01-94**

**Date Collected: 05/22/19 14:00**

**Date Received: 05/22/19 15:00**

**Lab Sample ID: 480-153957-7**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 475516       | 05/31/19 11:16       | KMN     | 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.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

## Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|-----------|---------|------------|-----------------------|-----------------|
| New York  | NELAP   | 2          | 10026                 | 03-31-20        |

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              |
|-----------------|-------------|--------|----------------------|
| 310.13          | 3510C       | Water  | Fuel Oil #2          |
| 310.13          | 3510C       | Water  | Fuel Oil #4          |
| 310.13          | 3510C       | Water  | Fuel Oil #6          |
| 310.13          | 3510C       | Water  | Gasoline             |
| 310.13          | 3510C       | Water  | Kerosene             |
| 310.13          | 3510C       | Water  | Motor Oil            |
| 310.13          | 3510C       | Water  | Unknown Hydrocarbons |

## Method Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

| Method       | Method Description                                            | Protocol | Laboratory |
|--------------|---------------------------------------------------------------|----------|------------|
| 8260C        | Volatile Organic Compounds by GC/MS                           | SW846    | TAL BUF    |
| 8270D        | Semivolatile Organic Compounds (GC/MS)                        | SW846    | TAL BUF    |
| 8270D SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | TAL BUF    |
| 310.13       | Identification of Routine Petroleum Products                  | NYASP    | TAL BUF    |
| 8081B        | Organochlorine Pesticides (GC)                                | SW846    | TAL BUF    |
| 8082A        | Polychlorinated Biphenyls (PCBs) by Gas Chromatography        | SW846    | TAL BUF    |
| 6010C        | Metals (ICP)                                                  | SW846    | TAL BUF    |
| 7470A        | Mercury (CVAA)                                                | SW846    | TAL BUF    |
| 3005A        | Preparation, Total Metals                                     | SW846    | TAL BUF    |
| 3510C        | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | TAL BUF    |
| 5030C        | Purge and Trap                                                | SW846    | TAL BUF    |
| 7470A        | Preparation, Mercury                                          | SW846    | TAL BUF    |

### Protocol References:

NYASP = New York Analytical Services Protocol

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: Vibratex #915165

Job ID: 480-153957-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 480-153957-1  | MW-07-94         | Water  | 05/22/19 09:30 | 05/22/19 15:00 |          |
| 480-153957-2  | MW-03-10         | Water  | 05/22/19 10:43 | 05/22/19 15:00 |          |
| 480-153957-3  | MW-02-10         | Water  | 05/22/19 10:59 | 05/22/19 15:00 |          |
| 480-153957-4  | MW-01-10         | Water  | 05/22/19 11:12 | 05/22/19 15:00 |          |
| 480-153957-5  | MW-11-03         | Water  | 05/22/19 11:40 | 05/22/19 15:00 |          |
| 480-153957-6  | MW-13-03         | Water  | 05/22/19 13:43 | 05/22/19 15:00 |          |
| 480-153957-7  | MW-01-94         | Water  | 05/22/19 14:00 | 05/22/19 15:00 |          |



## Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-153957-1

**Login Number: 153957**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Maddux, Ann**

| 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   |         |
| Samples received within 48 hours of sampling.                                    | True   |         |
| Samples requiring field filtration have been filtered in the field.              | True   |         |
| Chlorine Residual checked.                                                       | N/A    |         |

# Isotope Dilution Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-153957-1

**Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Isotope Dilution Recovery (Acceptance Limits)

|                    |                    | DXE      |
|--------------------|--------------------|----------|
|                    |                    | (15-110) |
| Lab Sample ID      | Client Sample ID   |          |
| 480-153957-5       | MW-11-03           | 28       |
| LCS 480-474688/2-A | Lab Control Sample | 27       |
| MB 480-474688/1-A  | Method Blank       | 27       |

### Surrogate Legend

DXE = 1,4-Dioxane-d8

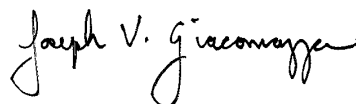
## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-154079-1  
Client Project/Site: Vibratex #915165

For:  
New York State D.E.C.  
270 Michigan Avenue  
Buffalo, New York 14203

Attn: Mr. Maurice Moore



Authorized for release by:  
6/11/2019 8:38:26 AM

Joe Giacomazza, Project Management Assistant II  
[joe.giacomazza@testamericainc.com](mailto:joe.giacomazza@testamericainc.com)

Designee for

Orlette Johnson, Senior Project Manager  
(484)685-0864  
[orlette.johnson@testamericainc.com](mailto:orlette.johnson@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

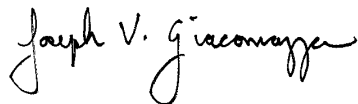
*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail 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.*

|    |
|----|
| 1  |
| 2  |
| 3  |
| 4  |
| 5  |
| 6  |
| 7  |
| 8  |
| 9  |
| 10 |
| 11 |
| 12 |
| 13 |
| 14 |
| 15 |
| 16 |
| 17 |

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



---

Joe Giacomazza  
Project Management Assistant II  
6/11/2019 8:38:26 AM



# Table of Contents

|                                              |    |
|----------------------------------------------|----|
| Cover Page . . . . .                         | 1  |
| Table of Contents . . . . .                  | 3  |
| Definitions . . . . .                        | 4  |
| Case Narrative . . . . .                     | 5  |
| Detection Summary . . . . .                  | 6  |
| Client Sample Results . . . . .              | 8  |
| Surrogate Summary . . . . .                  | 27 |
| QC Sample Results . . . . .                  | 29 |
| QC Association . . . . .                     | 45 |
| Chronicle . . . . .                          | 49 |
| Certification Summary . . . . .              | 51 |
| Method Summary . . . . .                     | 53 |
| Sample Summary . . . . .                     | 54 |
| Chain of Custody . . . . .                   | 55 |
| Receipt Checklists . . . . .                 | 58 |
| Detection Limit Exceptions Summary . . . . . | 59 |
| Isotope Dilution Summary . . . . .           | 60 |

|    |
|----|
| 1  |
| 2  |
| 3  |
| 4  |
| 5  |
| 6  |
| 7  |
| 8  |
| 9  |
| 10 |
| 11 |
| 12 |
| 13 |
| 14 |
| 15 |
| 16 |
| 17 |

## Definitions/Glossary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

### 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 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. |
| X         | Surrogate is outside control limits                                                                            |

#### Metals

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| ^         | ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits. |
| 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. |

### Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| 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)                                                                             |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| PQL            | Practical Quantitation Limit                                                                                |
| 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)                                                                       |



# Case Narrative

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154079-1

## Job ID: 480-154079-1

### Laboratory: Eurofins TestAmerica, Buffalo

#### Narrative

#### Job Narrative 480-154079-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/23/2019 3:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.3° C and 2.7° C.

#### GC/MS VOA

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

#### GC/MS Semi VOA

Method(s) 8270D SIM ID: The following samples were diluted due to the nature of the sample matrix: MW-6-10 (480-154079-1) and MW-6-10 DUPLICATE (480-154079-2). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: MW-6-10 (480-154079-1) and MW-1-10 (480-154079-3). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following sample required a dilution due to the nature of the sample matrix: MW-1-10 (480-154079-3). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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: The following sample was diluted due to the nature of the sample matrix: MW-1-10 (480-154079-3). As such, surrogate recoveries are below the calibration range, estimated and not representative. 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.

#### Metals

Method(s) 6010C: The low level continuing calibration verifications (CCVL 480-475712/41 and 480-475712/53) recovered above the upper control limit for Total Sodium. 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 MW-6-10 (480-154079-1), MW-6-10 DUPLICATE (480-154079-2), MW-1-10 (480-154079-3), MW-2-10 (480-154079-4) and MW-3-10 (480-154079-5) was not performed.

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 (MS/MSD) associated with preparation batch 480-474997.

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 480-475434.

Method(s) 3510C: The following sample required a Florisil clean-up, via 3620C, to reduce matrix interferences: MW-1-10 (480-154079-3).

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

#### VOA Prep

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

# Detection Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

Client Sample ID: MW-6-10

Lab Sample ID: 480-154079-1

| Analyte                               | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method       | Prep Type |
|---------------------------------------|--------|-----------|--------|---------|------|---------|---|--------------|-----------|
| 1,1,1-Trichloroethane                 | 440    |           | 10     | 1.9     | ug/L | 10      |   | 8260C        | Total/NA  |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.57   | J         | 1.0    | 0.15    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,1,2-Trichloroethane                 | 0.78   | J         | 1.0    | 0.19    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,1-Dichloroethane                    | 270    |           | 10     | 2.4     | ug/L | 10      |   | 8260C        | Total/NA  |
| 1,1-Dichloroethene                    | 13     |           | 1.0    | 0.25    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,2-Dichloroethane                    | 0.29   | J         | 1.0    | 0.20    | ug/L | 1       |   | 8260C        | Total/NA  |
| Chloroethane                          | 2.2    |           | 1.0    | 0.36    | ug/L | 1       |   | 8260C        | Total/NA  |
| Chloroform                            | 0.47   | J         | 1.0    | 0.23    | ug/L | 1       |   | 8260C        | Total/NA  |
| cis-1,2-Dichloroethene                | 120    |           | 1.0    | 0.21    | ug/L | 1       |   | 8260C        | Total/NA  |
| trans-1,2-Dichloroethene              | 4.3    |           | 1.0    | 0.23    | ug/L | 1       |   | 8260C        | Total/NA  |
| Trichloroethene                       | 220    |           | 10     | 2.0     | ug/L | 10      |   | 8260C        | Total/NA  |
| Vinyl chloride                        | 16     |           | 1.0    | 0.18    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,4-Dioxane                           | 4.5    |           | 2.1    | 1.0     | ug/L | 10      |   | 8270D SIM ID | Total/NA  |
| Motor Oil                             | 0.37   |           | 0.30   | 0.30    | mg/L | 1       |   | 310.13       | Total/NA  |
| Barium                                | 0.025  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C        | Total/NA  |
| Calcium                               | 84.7   |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Chromium                              | 0.0013 | J         | 0.0040 | 0.0010  | mg/L | 1       |   | 6010C        | Total/NA  |
| Copper                                | 0.0016 | J         | 0.010  | 0.0016  | mg/L | 1       |   | 6010C        | Total/NA  |
| Iron                                  | 0.024  | J         | 0.050  | 0.019   | mg/L | 1       |   | 6010C        | Total/NA  |
| Magnesium                             | 11.8   |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C        | Total/NA  |
| Manganese                             | 0.083  |           | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C        | Total/NA  |
| Nickel                                | 0.0030 | J         | 0.010  | 0.0013  | mg/L | 1       |   | 6010C        | Total/NA  |
| Potassium                             | 4.2    | B         | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Sodium                                | 66.8   | B ^       | 1.0    | 0.32    | mg/L | 1       |   | 6010C        | Total/NA  |
| Zinc                                  | 0.0026 | J         | 0.010  | 0.0015  | mg/L | 1       |   | 6010C        | Total/NA  |

Client Sample ID: MW-6-10 DUPLICATE

Lab Sample ID: 480-154079-2

| Analyte                               | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method       | Prep Type |
|---------------------------------------|--------|-----------|--------|---------|------|---------|---|--------------|-----------|
| 1,1,1-Trichloroethane                 | 460    |           | 10     | 1.9     | ug/L | 10      |   | 8260C        | Total/NA  |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.58   | J         | 1.0    | 0.15    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,1,2-Trichloroethane                 | 1.1    |           | 1.0    | 0.19    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,1-Dichloroethane                    | 280    |           | 10     | 2.4     | ug/L | 10      |   | 8260C        | Total/NA  |
| 1,1-Dichloroethene                    | 12     |           | 1.0    | 0.25    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,2-Dichloroethane                    | 0.29   | J         | 1.0    | 0.20    | ug/L | 1       |   | 8260C        | Total/NA  |
| Chloroethane                          | 2.2    |           | 1.0    | 0.36    | ug/L | 1       |   | 8260C        | Total/NA  |
| Chloroform                            | 0.45   | J         | 1.0    | 0.23    | ug/L | 1       |   | 8260C        | Total/NA  |
| cis-1,2-Dichloroethene                | 120    |           | 1.0    | 0.21    | ug/L | 1       |   | 8260C        | Total/NA  |
| trans-1,2-Dichloroethene              | 4.2    |           | 1.0    | 0.23    | ug/L | 1       |   | 8260C        | Total/NA  |
| Trichloroethene                       | 220    |           | 10     | 2.0     | ug/L | 10      |   | 8260C        | Total/NA  |
| Vinyl chloride                        | 15     |           | 1.0    | 0.18    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,4-Dioxane                           | 3.8    |           | 1.0    | 0.50    | ug/L | 5       |   | 8270D SIM ID | Total/NA  |
| Motor Oil                             | 0.36   |           | 0.30   | 0.30    | mg/L | 1       |   | 310.13       | Total/NA  |
| trans-Chlordane                       | 0.014  | J         | 0.050  | 0.011   | ug/L | 1       |   | 8081B        | Total/NA  |
| Barium                                | 0.023  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C        | Total/NA  |
| Calcium                               | 81.8   |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Iron                                  | 0.020  | J         | 0.050  | 0.019   | mg/L | 1       |   | 6010C        | Total/NA  |
| Magnesium                             | 11.4   |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C        | Total/NA  |
| Manganese                             | 0.078  |           | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C        | Total/NA  |
| Nickel                                | 0.0027 | J         | 0.010  | 0.0013  | mg/L | 1       |   | 6010C        | Total/NA  |
| Potassium                             | 3.9    | B         | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Detection Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

## Client Sample ID: MW-6-10 DUPLICATE (Continued)

Lab Sample ID: 480-154079-2

| Analyte | Result | Qualifier | RL  | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|-----|------|------|---------|---|--------|-----------|
| Sodium  | 64.2   | B ^       | 1.0 | 0.32 | mg/L | 1       |   | 6010C  | Total/NA  |

## Client Sample ID: MW-1-10

Lab Sample ID: 480-154079-3

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|--------|---------|------|---------|---|--------|-----------|
| Barium    | 0.036  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C  | Total/NA  |
| Calcium   | 111    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Iron      | 0.038  | J         | 0.050  | 0.019   | mg/L | 1       |   | 6010C  | Total/NA  |
| Magnesium | 23.5   |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C  | Total/NA  |
| Manganese | 0.76   |           | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C  | Total/NA  |
| Nickel    | 0.0020 | J         | 0.010  | 0.0013  | mg/L | 1       |   | 6010C  | Total/NA  |
| Potassium | 2.0    | B         | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Sodium    | 58.2   | B ^       | 1.0    | 0.32    | mg/L | 1       |   | 6010C  | Total/NA  |

## Client Sample ID: MW-2-10

Lab Sample ID: 480-154079-4

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|--------|---------|------|---------|---|--------|-----------|
| Barium    | 0.017  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C  | Total/NA  |
| Calcium   | 69.5   |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Chromium  | 0.0059 |           | 0.0040 | 0.0010  | mg/L | 1       |   | 6010C  | Total/NA  |
| Copper    | 0.0028 | J         | 0.010  | 0.0016  | mg/L | 1       |   | 6010C  | Total/NA  |
| Magnesium | 13.6   |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C  | Total/NA  |
| Potassium | 2.3    | B         | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Sodium    | 56.1   |           | 1.0    | 0.32    | mg/L | 1       |   | 6010C  | Total/NA  |
| Zinc      | 0.0027 | J         | 0.010  | 0.0015  | mg/L | 1       |   | 6010C  | Total/NA  |

## Client Sample ID: MW-3-10

Lab Sample ID: 480-154079-5

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|--------|---------|------|---------|---|--------|-----------|
| Barium    | 0.034  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C  | Total/NA  |
| Calcium   | 168    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Chromium  | 0.0013 | J         | 0.0040 | 0.0010  | mg/L | 1       |   | 6010C  | Total/NA  |
| Copper    | 0.0021 | J         | 0.010  | 0.0016  | mg/L | 1       |   | 6010C  | Total/NA  |
| Iron      | 0.027  | J         | 0.050  | 0.019   | mg/L | 1       |   | 6010C  | Total/NA  |
| Magnesium | 35.9   |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C  | Total/NA  |
| Manganese | 0.0084 |           | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C  | Total/NA  |
| Nickel    | 0.0021 | J         | 0.010  | 0.0013  | mg/L | 1       |   | 6010C  | Total/NA  |
| Potassium | 4.5    | B         | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Sodium    | 109    | B ^       | 1.0    | 0.32    | mg/L | 1       |   | 6010C  | Total/NA  |
| Zinc      | 0.0061 | J         | 0.010  | 0.0015  | mg/L | 1       |   | 6010C  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

Client Sample ID: MW-6-10

Lab Sample ID: 480-154079-1

Date Collected: 05/23/19 12:00

Matrix: Water

Date Received: 05/23/19 15:20

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

| Analyte                               | Result | Qualifier | RL  | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane                 | 440    |           | 10  | 1.9   | ug/L |   |          | 05/30/19 17:28 | 10      |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/30/19 17:01 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.57   | J         | 1.0 | 0.15  | ug/L |   |          | 05/30/19 17:01 | 1       |
| 1,1,2-Trichloroethane                 | 0.78   | J         | 1.0 | 0.19  | ug/L |   |          | 05/30/19 17:01 | 1       |
| 1,1-Dichloroethane                    | 270    |           | 10  | 2.4   | ug/L |   |          | 05/30/19 17:28 | 10      |
| 1,1-Dichloroethene                    | 13     |           | 1.0 | 0.25  | ug/L |   |          | 05/30/19 17:01 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.20  | ug/L |   |          | 05/30/19 17:01 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 10  | 0.94  | ug/L |   |          | 05/30/19 17:01 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/30/19 17:01 | 1       |
| 1,2-Dichloroethane                    | 0.29   | J         | 1.0 | 0.20  | ug/L |   |          | 05/30/19 17:01 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.25  | ug/L |   |          | 05/30/19 17:01 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.18  | ug/L |   |          | 05/30/19 17:01 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/30/19 17:01 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 50  | 2.6   | ug/L |   |          | 05/30/19 17:01 | 1       |
| 2-Hexanone                            | ND     |           | 10  | 1.3   | ug/L |   |          | 05/30/19 17:01 | 1       |
| t-Butyl alcohol                       | ND     |           | 10  | 3.9   | ug/L |   |          | 05/30/19 17:01 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 10  | 0.81  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Acetone                               | ND     |           | 25  | 2.7   | ug/L |   |          | 05/30/19 17:01 | 1       |
| Benzene                               | ND     |           | 1.0 | 0.20  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.29  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.35  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Carbon disulfide                      | ND     |           | 1.0 | 0.22  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.18  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.18  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.25  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Chloroethane                          | 2.2    |           | 1.0 | 0.36  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Chloroform                            | 0.47   | J         | 1.0 | 0.23  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.36  | ug/L |   |          | 05/30/19 17:01 | 1       |
| cis-1,2-Dichloroethene                | 120    |           | 1.0 | 0.21  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Cyclohexane                           | ND     |           | 5.0 | 0.13  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/30/19 17:01 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.21  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.33  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Methyl acetate                        | ND     |           | 10  | 0.58  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Methylcyclohexane                     | ND     |           | 5.0 | 0.090 | ug/L |   |          | 05/30/19 17:01 | 1       |
| Methylene Chloride                    | ND     |           | 5.0 | 1.0   | ug/L |   |          | 05/30/19 17:01 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.14  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/30/19 17:01 | 1       |
| trans-1,2-Dichloroethene              | 4.3    |           | 1.0 | 0.23  | ug/L |   |          | 05/30/19 17:01 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Trichloroethene                       | 220    |           | 10  | 2.0   | ug/L |   |          | 05/30/19 17:28 | 10      |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.21  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Vinyl chloride                        | 16     |           | 1.0 | 0.18  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Xylenes, Total                        | ND     |           | 3.0 | 0.58  | ug/L |   |          | 05/30/19 17:01 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/30/19 17:01 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.28  | ug/L |   |          | 05/30/19 17:01 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

Client Sample ID: MW-6-10

Lab Sample ID: 480-154079-1

Date Collected: 05/23/19 12:00

Matrix: Water

Date Received: 05/23/19 15:20

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 70 - 130 |          | 05/30/19 17:01 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 70 - 130 |          | 05/30/19 17:28 | 10      |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 70 - 130 |          | 05/30/19 17:01 | 1       |
| 4-Bromofluorobenzene (Surr)  | 105       |           | 70 - 130 |          | 05/30/19 17:28 | 10      |
| Toluene-d8 (Surr)            | 98        |           | 70 - 130 |          | 05/30/19 17:01 | 1       |
| Toluene-d8 (Surr)            | 99        |           | 70 - 130 |          | 05/30/19 17:28 | 10      |
| Dibromofluoromethane (Surr)  | 105       |           | 70 - 130 |          | 05/30/19 17:01 | 1       |
| Dibromofluoromethane (Surr)  | 97        |           | 70 - 130 |          | 05/30/19 17:28 | 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      | 4.5       |           | 2.1      | 1.0 | ug/L |   | 05/28/19 08:18 | 05/31/19 03:00 | 10      |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 27        |           | 15 - 110 |     |      |   | 05/28/19 08:18 | 05/31/19 03:00 | 10      |

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

| Analyte                     | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol       | ND     |           | 25 | 2.4 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 2,4,6-Trichlorophenol       | ND     |           | 25 | 3.1 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 2,4-Dichlorophenol          | ND     |           | 25 | 2.6 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 2,4-Dimethylphenol          | ND     |           | 25 | 2.5 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 2,4-Dinitrophenol           | ND     |           | 50 | 11  | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 2,4-Dinitrotoluene          | ND     |           | 25 | 2.2 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 2,6-Dinitrotoluene          | ND     |           | 25 | 2.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 2-Chloronaphthalene         | ND     |           | 25 | 2.3 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 2-Chlorophenol              | ND     |           | 25 | 2.7 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 2-Methylnaphthalene         | ND     |           | 25 | 3.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 2-Methylphenol              | ND     |           | 25 | 2.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 2-Nitroaniline              | ND     |           | 50 | 2.1 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 2-Nitrophenol               | ND     |           | 25 | 2.4 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 3,3'-Dichlorobenzidine      | ND     |           | 25 | 2.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 3-Nitroaniline              | ND     |           | 50 | 2.4 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 4,6-Dinitro-2-methylphenol  | ND     |           | 50 | 11  | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 4-Bromophenyl phenyl ether  | ND     |           | 25 | 2.3 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 4-Chloro-3-methylphenol     | ND     |           | 25 | 2.3 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 4-Chloroaniline             | ND     |           | 25 | 3.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 4-Chlorophenyl phenyl ether | ND     |           | 25 | 1.8 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 4-Methylphenol              | ND     |           | 50 | 1.8 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 4-Nitroaniline              | ND     |           | 50 | 1.3 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 4-Nitrophenol               | ND     |           | 50 | 7.6 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Acenaphthene                | ND     |           | 25 | 2.1 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Acenaphthylene              | ND     |           | 25 | 1.9 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Acetophenone                | ND     |           | 25 | 2.7 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Anthracene                  | ND     |           | 25 | 1.4 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Atrazine                    | ND     |           | 25 | 2.3 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Benzaldehyde                | ND     |           | 25 | 1.3 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Benzo(a)anthracene          | ND     |           | 25 | 1.8 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Benzo(a)pyrene              | ND     |           | 25 | 2.4 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Benzo(b)fluoranthene        | ND     |           | 25 | 1.7 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Benzo(g,h,i)perylene        | ND     |           | 25 | 1.8 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

Client Sample ID: MW-6-10

Lab Sample ID: 480-154079-1

Date Collected: 05/23/19 12:00

Matrix: Water

Date Received: 05/23/19 15:20

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

| Analyte                       | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| Benzo(k)fluoranthene          | ND     |           | 25 | 3.7 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Biphenyl                      | ND     |           | 25 | 3.3 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 25 | 2.6 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 25 | 1.8 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 25 | 2.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 25 | 11  | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Butyl benzyl phthalate        | ND     |           | 25 | 5.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Caprolactam                   | ND     |           | 25 | 11  | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Carbazole                     | ND     |           | 25 | 1.5 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Chrysene                      | ND     |           | 25 | 1.7 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Dibenz(a,h)anthracene         | ND     |           | 25 | 2.1 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Dibenzofuran                  | ND     |           | 50 | 2.6 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Diethyl phthalate             | ND     |           | 25 | 1.1 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Dimethyl phthalate            | ND     |           | 25 | 1.8 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Di-n-butyl phthalate          | ND     |           | 25 | 1.6 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Di-n-octyl phthalate          | ND     |           | 25 | 2.4 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Fluoranthene                  | ND     |           | 25 | 2.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Fluorene                      | ND     |           | 25 | 1.8 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Hexachlorobenzene             | ND     |           | 25 | 2.6 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Hexachlorobutadiene           | ND     |           | 25 | 3.4 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Hexachlorocyclopentadiene     | ND     |           | 25 | 3.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Hexachloroethane              | ND     |           | 25 | 3.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Indeno(1,2,3-cd)pyrene        | ND     |           | 25 | 2.4 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Isophorone                    | ND     |           | 25 | 2.2 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Naphthalene                   | ND     |           | 25 | 3.8 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Nitrobenzene                  | ND     |           | 25 | 1.5 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| N-Nitrosodi-n-propylamine     | ND     |           | 25 | 2.7 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| N-Nitrosodiphenylamine        | ND     |           | 25 | 2.6 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Pentachlorophenol             | ND     |           | 50 | 11  | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Phenanthrene                  | ND     |           | 25 | 2.2 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Phenol                        | ND     |           | 25 | 2.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Pyrene                        | ND     |           | 25 | 1.7 | ug/L |   | 05/29/19 06:59 | 06/05/19 12:38 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 53        |           | 41 - 120 | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 2-Fluorobiphenyl     | 100       |           | 48 - 120 | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| 2-Fluorophenol       | 71        |           | 35 - 120 | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Nitrobenzene-d5      | 76        |           | 46 - 120 | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| Phenol-d5            | 50        |           | 22 - 120 | 05/29/19 06:59 | 06/05/19 12:38 | 5       |
| p-Terphenyl-d14      | 83        |           | 59 - 136 | 05/29/19 06:59 | 06/05/19 12:38 | 5       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.20 | 0.20 | mg/L |   | 05/28/19 16:05 | 05/29/19 12:26 | 1       |
| Kerosene             | ND     |           | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 12:26 | 1       |
| Motor Oil            | 0.37   |           | 0.30 | 0.30 | mg/L |   | 05/28/19 16:05 | 05/29/19 12:26 | 1       |
| Fuel Oil #2          | ND     |           | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 12:26 | 1       |
| Fuel Oil #4          | ND     |           | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 12:26 | 1       |
| Fuel Oil #6          | ND     |           | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 12:26 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.20 | 0.20 | mg/L |   | 05/28/19 16:05 | 05/29/19 12:26 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

Client Sample ID: MW-6-10

Lab Sample ID: 480-154079-1

Date Collected: 05/23/19 12:00

Matrix: Water

Date Received: 05/23/19 15:20

## 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 |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| 4,4'-DDT            | ND     |           | 0.050 | 0.011  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| delta-BHC           | ND     |           | 0.050 | 0.010  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| Endrin aldehyde     | ND     |           | 0.050 | 0.016  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| gamma-BHC (Lindane) | ND     |           | 0.050 | 0.0080 | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| trans-Chlordane     | ND     |           | 0.050 | 0.011  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| Heptachlor          | ND     |           | 0.050 | 0.0085 | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| Heptachlor epoxide  | ND     |           | 0.050 | 0.0074 | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| Methoxychlor        | ND     |           | 0.050 | 0.014  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| Toxaphene           | ND     |           | 0.50  | 0.12   | ug/L |   | 05/29/19 15:19 | 05/30/19 19:23 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 28        |           | 20 - 120 | 05/29/19 15:19 | 05/30/19 19:23 | 1       |
| Tetrachloro-m-xylene   | 87        |           | 44 - 120 | 05/29/19 15:19 | 05/30/19 19:23 | 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 |   | 05/29/19 15:43 | 05/30/19 17:39 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 17:39 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 17:39 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 17:39 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 17:39 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 17:39 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 17:39 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 17:39 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 17:39 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 77        |           | 39 - 121 | 05/29/19 15:43 | 05/30/19 17:39 | 1       |
| DCB Decachlorobiphenyl | 40        |           | 19 - 120 | 05/29/19 15:43 | 05/30/19 17:39 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Barium    | 0.025  |           | 0.0020 | 0.00070 | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154079-1

Client Sample ID: MW-6-10

Lab Sample ID: 480-154079-1

Date Collected: 05/23/19 12:00

Matrix: Water

Date Received: 05/23/19 15:20

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Calcium   | 84.7   |           | 0.50   | 0.10    | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Chromium  | 0.0013 | J         | 0.0040 | 0.0010  | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Copper    | 0.0016 | J         | 0.010  | 0.0016  | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Iron      | 0.024  | J         | 0.050  | 0.019   | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Magnesium | 11.8   |           | 0.20   | 0.043   | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Manganese | 0.083  |           | 0.0030 | 0.00040 | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Nickel    | 0.0030 | J         | 0.010  | 0.0013  | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Potassium | 4.2    | B         | 0.50   | 0.10    | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Sodium    | 66.8   | B ^       | 1.0    | 0.32    | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |
| Zinc      | 0.0026 | J         | 0.010  | 0.0015  | mg/L |   | 05/29/19 07:33 | 05/31/19 17:58 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 05/30/19 11:15 | 05/30/19 14:19 | 1       |



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

Client Sample ID: MW-6-10 DUPLICATE

Lab Sample ID: 480-154079-2

Date Collected: 05/23/19 12:00

Matrix: Water

Date Received: 05/23/19 15:20

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

| Analyte                               | Result | Qualifier | RL  | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane                 | 460    |           | 10  | 1.9   | ug/L |   |          | 05/30/19 18:21 | 10      |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/30/19 17:55 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.58   | J         | 1.0 | 0.15  | ug/L |   |          | 05/30/19 17:55 | 1       |
| 1,1,2-Trichloroethane                 | 1.1    |           | 1.0 | 0.19  | ug/L |   |          | 05/30/19 17:55 | 1       |
| 1,1-Dichloroethane                    | 280    |           | 10  | 2.4   | ug/L |   |          | 05/30/19 18:21 | 10      |
| 1,1-Dichloroethene                    | 12     |           | 1.0 | 0.25  | ug/L |   |          | 05/30/19 17:55 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.20  | ug/L |   |          | 05/30/19 17:55 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 10  | 0.94  | ug/L |   |          | 05/30/19 17:55 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/30/19 17:55 | 1       |
| 1,2-Dichloroethane                    | 0.29   | J         | 1.0 | 0.20  | ug/L |   |          | 05/30/19 17:55 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.25  | ug/L |   |          | 05/30/19 17:55 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.18  | ug/L |   |          | 05/30/19 17:55 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/30/19 17:55 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 50  | 2.6   | ug/L |   |          | 05/30/19 17:55 | 1       |
| 2-Hexanone                            | ND     |           | 10  | 1.3   | ug/L |   |          | 05/30/19 17:55 | 1       |
| t-Butyl alcohol                       | ND     |           | 10  | 3.9   | ug/L |   |          | 05/30/19 17:55 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 10  | 0.81  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Acetone                               | ND     |           | 25  | 2.7   | ug/L |   |          | 05/30/19 17:55 | 1       |
| Benzene                               | ND     |           | 1.0 | 0.20  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.29  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.35  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Carbon disulfide                      | ND     |           | 1.0 | 0.22  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.18  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.18  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.25  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Chloroethane                          | 2.2    |           | 1.0 | 0.36  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Chloroform                            | 0.45   | J         | 1.0 | 0.23  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.36  | ug/L |   |          | 05/30/19 17:55 | 1       |
| cis-1,2-Dichloroethene                | 120    |           | 1.0 | 0.21  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Cyclohexane                           | ND     |           | 5.0 | 0.13  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.19  | ug/L |   |          | 05/30/19 17:55 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.21  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.33  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Methyl acetate                        | ND     |           | 10  | 0.58  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Methylcyclohexane                     | ND     |           | 5.0 | 0.090 | ug/L |   |          | 05/30/19 17:55 | 1       |
| Methylene Chloride                    | ND     |           | 5.0 | 1.0   | ug/L |   |          | 05/30/19 17:55 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.14  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/30/19 17:55 | 1       |
| trans-1,2-Dichloroethene              | 4.2    |           | 1.0 | 0.23  | ug/L |   |          | 05/30/19 17:55 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Trichloroethene                       | 220    |           | 10  | 2.0   | ug/L |   |          | 05/30/19 18:21 | 10      |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.21  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Vinyl chloride                        | 15     |           | 1.0 | 0.18  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Xylenes, Total                        | ND     |           | 3.0 | 0.58  | ug/L |   |          | 05/30/19 17:55 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.17  | ug/L |   |          | 05/30/19 17:55 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.28  | ug/L |   |          | 05/30/19 17:55 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

**Client Sample ID: MW-6-10 DUPLICATE**

**Lab Sample ID: 480-154079-2**

**Date Collected: 05/23/19 12:00**

**Matrix: Water**

**Date Received: 05/23/19 15:20**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 70 - 130 |          | 05/30/19 17:55 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 70 - 130 |          | 05/30/19 18:21 | 10      |
| 4-Bromofluorobenzene (Surr)  | 102       |           | 70 - 130 |          | 05/30/19 17:55 | 1       |
| 4-Bromofluorobenzene (Surr)  | 103       |           | 70 - 130 |          | 05/30/19 18:21 | 10      |
| Toluene-d8 (Surr)            | 98        |           | 70 - 130 |          | 05/30/19 17:55 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 70 - 130 |          | 05/30/19 18:21 | 10      |
| Dibromofluoromethane (Surr)  | 103       |           | 70 - 130 |          | 05/30/19 17:55 | 1       |
| Dibromofluoromethane (Surr)  | 100       |           | 70 - 130 |          | 05/30/19 18:21 | 10      |

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

| Method: 8270D Shim ID: Semivolatile Organic Compounds (Some Shim Isotope Dilution) |           |           |          |      |      |   |                |                |         |
|------------------------------------------------------------------------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| Analyte                                                                            | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane                                                                        | 3.8       |           | 1.0      | 0.50 | ug/L |   | 05/28/19 08:18 | 05/31/19 03:24 | 5       |
| Isotope Dilution                                                                   | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8                                                                     | 30        |           | 15 - 110 |      |      |   | 05/28/19 08:18 | 05/31/19 03:24 | 5       |

## 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 |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 2,4,6-Trichlorophenol       | ND     |           | 5.0 | 0.61 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 2,4-Dichlorophenol          | ND     |           | 5.0 | 0.51 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 2,4-Dimethylphenol          | ND     |           | 5.0 | 0.50 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 2,4-Dinitrophenol           | ND     |           | 10  | 2.2  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 2,4-Dinitrotoluene          | ND     |           | 5.0 | 0.45 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 2,6-Dinitrotoluene          | ND     |           | 5.0 | 0.40 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 2-Chloronaphthalene         | ND     |           | 5.0 | 0.46 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 2-Chlorophenol              | ND     |           | 5.0 | 0.53 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 2-Methylnaphthalene         | ND     |           | 5.0 | 0.60 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 2-Methylphenol              | ND     |           | 5.0 | 0.40 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 2-Nitroaniline              | ND     |           | 10  | 0.42 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 2-Nitrophenol               | ND     |           | 5.0 | 0.48 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 3,3'-Dichlorobenzidine      | ND     |           | 5.0 | 0.40 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 3-Nitroaniline              | ND     |           | 10  | 0.48 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 4,6-Dinitro-2-methylphenol  | ND     |           | 10  | 2.2  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 4-Bromophenyl phenyl ether  | ND     |           | 5.0 | 0.45 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 4-Chloro-3-methylphenol     | ND     |           | 5.0 | 0.45 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 4-Chloroaniline             | ND     |           | 5.0 | 0.59 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 4-Chlorophenyl phenyl ether | ND     |           | 5.0 | 0.35 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 4-Methylphenol              | ND     |           | 10  | 0.36 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 4-Nitroaniline              | ND     |           | 10  | 0.25 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 4-Nitrophenol               | ND     |           | 10  | 1.5  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Acenaphthene                | ND     |           | 5.0 | 0.41 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Acenaphthylene              | ND     |           | 5.0 | 0.38 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Acetophenone                | ND     |           | 5.0 | 0.54 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Anthracene                  | ND     |           | 5.0 | 0.28 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Atrazine                    | ND     |           | 5.0 | 0.46 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Benzaldehyde                | ND     |           | 5.0 | 0.27 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Benzo(a)anthracene          | ND     |           | 5.0 | 0.36 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Benzo(a)pyrene              | ND     |           | 5.0 | 0.47 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Benzo(b)fluoranthene        | ND     |           | 5.0 | 0.34 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Benzo(g,h,i)perylene        | ND     |           | 5.0 | 0.35 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

Client Sample ID: MW-6-10 DUPLICATE

Lab Sample ID: 480-154079-2

Date Collected: 05/23/19 12:00

Matrix: Water

Date Received: 05/23/19 15:20

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

| Analyte                       | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Benzo(k)fluoranthene          | ND     |           | 5.0 | 0.73 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Biphenyl                      | ND     |           | 5.0 | 0.65 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 5.0 | 0.52 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.0 | 0.35 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 5.0 | 0.40 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 5.0 | 2.2  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Butyl benzyl phthalate        | ND     |           | 5.0 | 1.0  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Caprolactam                   | ND     |           | 5.0 | 2.2  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Carbazole                     | ND     |           | 5.0 | 0.30 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Chrysene                      | ND     |           | 5.0 | 0.33 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 5.0 | 0.42 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Dibenzofuran                  | ND     |           | 10  | 0.51 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Diethyl phthalate             | ND     |           | 5.0 | 0.22 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Dimethyl phthalate            | ND     |           | 5.0 | 0.36 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Di-n-butyl phthalate          | ND     |           | 5.0 | 0.31 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Di-n-octyl phthalate          | ND     |           | 5.0 | 0.47 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Fluoranthene                  | ND     |           | 5.0 | 0.40 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Fluorene                      | ND     |           | 5.0 | 0.36 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Hexachlorobenzene             | ND     |           | 5.0 | 0.51 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Hexachlorobutadiene           | ND     |           | 5.0 | 0.68 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 5.0 | 0.59 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Hexachloroethane              | ND     |           | 5.0 | 0.59 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Indeno(1,2,3-cd)pyrene        | ND     |           | 5.0 | 0.47 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Isophorone                    | ND     |           | 5.0 | 0.43 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Naphthalene                   | ND     |           | 5.0 | 0.76 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Nitrobenzene                  | ND     |           | 5.0 | 0.29 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 5.0 | 0.54 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| N-Nitrosodiphenylamine        | ND     |           | 5.0 | 0.51 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Pentachlorophenol             | ND     |           | 10  | 2.2  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Phenanthrene                  | ND     |           | 5.0 | 0.44 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Phenol                        | ND     |           | 5.0 | 0.39 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Pyrene                        | ND     |           | 5.0 | 0.34 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:07 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 104       |           | 41 - 120 | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 2-Fluorobiphenyl     | 99        |           | 48 - 120 | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| 2-Fluorophenol       | 78        |           | 35 - 120 | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Nitrobenzene-d5      | 89        |           | 46 - 120 | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| Phenol-d5            | 57        |           | 22 - 120 | 05/29/19 06:59 | 06/05/19 13:07 | 1       |
| p-Terphenyl-d14      | 81        |           | 59 - 136 | 05/29/19 06:59 | 06/05/19 13:07 | 1       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.20 | 0.20 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:02 | 1       |
| Kerosene             | ND     |           | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:02 | 1       |
| Motor Oil            | 0.36   |           | 0.30 | 0.30 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:02 | 1       |
| Fuel Oil #2          | ND     |           | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:02 | 1       |
| Fuel Oil #4          | ND     |           | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:02 | 1       |
| Fuel Oil #6          | ND     |           | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:02 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.20 | 0.20 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:02 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

Client Sample ID: MW-6-10 DUPLICATE

Lab Sample ID: 480-154079-2

Date Collected: 05/23/19 12:00

Matrix: Water

Date Received: 05/23/19 15:20

## 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 |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| 4,4'-DDT            | ND     |           | 0.050 | 0.011  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| delta-BHC           | ND     |           | 0.050 | 0.010  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| Endrin aldehyde     | ND     |           | 0.050 | 0.016  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| gamma-BHC (Lindane) | ND     |           | 0.050 | 0.0080 | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| trans-Chlordane     | 0.014  | J         | 0.050 | 0.011  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| Heptachlor          | ND     |           | 0.050 | 0.0085 | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| Heptachlor epoxide  | ND     |           | 0.050 | 0.0074 | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| Methoxychlor        | ND     |           | 0.050 | 0.014  | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| Toxaphene           | ND     |           | 0.50  | 0.12   | ug/L |   | 05/29/19 15:19 | 05/30/19 19:43 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 35        |           | 20 - 120 | 05/29/19 15:19 | 05/30/19 19:43 | 1       |
| Tetrachloro-m-xylene   | 85        |           | 44 - 120 | 05/29/19 15:19 | 05/30/19 19:43 | 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 |   | 05/29/19 15:43 | 05/30/19 17:52 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 17:52 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 17:52 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 17:52 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 17:52 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 17:52 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 17:52 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 17:52 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 17:52 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 67        |           | 39 - 121 | 05/29/19 15:43 | 05/30/19 17:52 | 1       |
| DCB Decachlorobiphenyl | 30        |           | 19 - 120 | 05/29/19 15:43 | 05/30/19 17:52 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Barium    | 0.023  |           | 0.0020 | 0.00070 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154079-1

Client Sample ID: MW-6-10 DUPLICATE

Lab Sample ID: 480-154079-2

Date Collected: 05/23/19 12:00

Matrix: Water

Date Received: 05/23/19 15:20

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Calcium   | 81.8   |           | 0.50   | 0.10    | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Iron      | 0.020  | J         | 0.050  | 0.019   | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Magnesium | 11.4   |           | 0.20   | 0.043   | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Manganese | 0.078  |           | 0.0030 | 0.00040 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Nickel    | 0.0027 | J         | 0.010  | 0.0013  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Potassium | 3.9    | B         | 0.50   | 0.10    | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Sodium    | 64.2   | B ^       | 1.0    | 0.32    | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:01 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 05/30/19 11:15 | 05/30/19 14:20 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

Client Sample ID: MW-1-10

Lab Sample ID: 480-154079-3

Date Collected: 05/23/19 12:48

Matrix: Water

Date Received: 05/23/19 15:20

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

| Analyte                       | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 100 | 9.6 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 2,4,6-Trichlorophenol         | ND     |           | 100 | 12  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 2,4-Dichlorophenol            | ND     |           | 100 | 10  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 2,4-Dimethylphenol            | ND     |           | 100 | 10  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 2,4-Dinitrophenol             | ND     |           | 200 | 44  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 2,4-Dinitrotoluene            | ND     |           | 100 | 8.9 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 2,6-Dinitrotoluene            | ND     |           | 100 | 8.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 2-Chloronaphthalene           | ND     |           | 100 | 9.2 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 2-Chlorophenol                | ND     |           | 100 | 11  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 2-Methylnaphthalene           | ND     |           | 100 | 12  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 2-Methylphenol                | ND     |           | 100 | 8.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 2-Nitroaniline                | ND     |           | 200 | 8.4 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 2-Nitrophenol                 | ND     |           | 100 | 9.6 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 3,3'-Dichlorobenzidine        | ND     |           | 100 | 8.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 3-Nitroaniline                | ND     |           | 200 | 9.6 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 200 | 44  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 4-Bromophenyl phenyl ether    | ND     |           | 100 | 9.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 4-Chloro-3-methylphenol       | ND     |           | 100 | 9.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 4-Chloroaniline               | ND     |           | 100 | 12  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 4-Chlorophenyl phenyl ether   | ND     |           | 100 | 7.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 4-Methylphenol                | ND     |           | 200 | 7.2 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 4-Nitroaniline                | ND     |           | 200 | 5.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 4-Nitrophenol                 | ND     |           | 200 | 30  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Acenaphthene                  | ND     |           | 100 | 8.2 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Acenaphthylene                | ND     |           | 100 | 7.6 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Acetophenone                  | ND     |           | 100 | 11  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Anthracene                    | ND     |           | 100 | 5.6 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Atrazine                      | ND     |           | 100 | 9.2 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Benzaldehyde                  | ND     |           | 100 | 5.3 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Benzo(a)anthracene            | ND     |           | 100 | 7.2 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Benzo(a)pyrene                | ND     |           | 100 | 9.4 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Benzo(b)fluoranthene          | ND     |           | 100 | 6.8 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Benzo(g,h,i)perylene          | ND     |           | 100 | 7.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Benzo(k)fluoranthene          | ND     |           | 100 | 15  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Biphenyl                      | ND     |           | 100 | 13  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| bis (2-chloroisopropyl) ether | ND     |           | 100 | 10  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Bis(2-chloroethoxy)methane    | ND     |           | 100 | 7.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Bis(2-chloroethyl)ether       | ND     |           | 100 | 8.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 100 | 44  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Butyl benzyl phthalate        | ND     |           | 100 | 20  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Caprolactam                   | ND     |           | 100 | 44  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Carbazole                     | ND     |           | 100 | 6.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Chrysene                      | ND     |           | 100 | 6.6 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Dibenz(a,h)anthracene         | ND     |           | 100 | 8.4 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Dibenzofuran                  | ND     |           | 200 | 10  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Diethyl phthalate             | ND     |           | 100 | 4.4 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Dimethyl phthalate            | ND     |           | 100 | 7.2 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Di-n-butyl phthalate          | ND     |           | 100 | 6.2 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Di-n-octyl phthalate          | ND     |           | 100 | 9.4 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

Client Sample ID: MW-1-10

Lab Sample ID: 480-154079-3

Date Collected: 05/23/19 12:48

Matrix: Water

Date Received: 05/23/19 15:20

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 100 | 8.0 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Fluorene                  | ND     |           | 100 | 7.2 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Hexachlorobenzene         | ND     |           | 100 | 10  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Hexachlorobutadiene       | ND     |           | 100 | 14  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Hexachlorocyclopentadiene | ND     |           | 100 | 12  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Hexachloroethane          | ND     |           | 100 | 12  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 100 | 9.4 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Isophorone                | ND     |           | 100 | 8.6 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Naphthalene               | ND     |           | 100 | 15  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Nitrobenzene              | ND     |           | 100 | 5.8 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| N-Nitrosodi-n-propylamine | ND     |           | 100 | 11  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| N-Nitrosodiphenylamine    | ND     |           | 100 | 10  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Pentachlorophenol         | ND     |           | 200 | 44  | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Phenanthrene              | ND     |           | 100 | 8.8 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Phenol                    | ND     |           | 100 | 7.8 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Pyrene                    | ND     |           | 100 | 6.8 | ug/L |   | 05/29/19 06:59 | 06/05/19 13:35 | 20      |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 65        |           | 41 - 120 | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 2-Fluorobiphenyl     | 98        |           | 48 - 120 | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| 2-Fluorophenol       | 59        |           | 35 - 120 | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Nitrobenzene-d5      | 69        |           | 46 - 120 | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| Phenol-d5            | 45        |           | 22 - 120 | 05/29/19 06:59 | 06/05/19 13:35 | 20      |
| p-Terphenyl-d14      | 80        |           | 59 - 136 | 05/29/19 06:59 | 06/05/19 13:35 | 20      |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte             | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND     |           | 1.0 | 0.18 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| 4,4'-DDE            | ND     |           | 1.0 | 0.23 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| 4,4'-DDT            | ND     |           | 1.0 | 0.22 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| Aldrin              | ND     |           | 1.0 | 0.16 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| alpha-BHC           | ND     |           | 1.0 | 0.15 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| cis-Chlordane       | ND     |           | 1.0 | 0.30 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| beta-BHC            | ND     |           | 1.0 | 0.50 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| delta-BHC           | ND     |           | 1.0 | 0.20 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| Dieldrin            | ND     |           | 1.0 | 0.20 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| Endosulfan I        | ND     |           | 1.0 | 0.22 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| Endosulfan II       | ND     |           | 1.0 | 0.24 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| Endosulfan sulfate  | ND     |           | 1.0 | 0.31 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| Endrin              | ND     |           | 1.0 | 0.28 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| Endrin aldehyde     | ND     |           | 1.0 | 0.33 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| Endrin ketone       | ND     |           | 1.0 | 0.24 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| gamma-BHC (Lindane) | ND     |           | 1.0 | 0.16 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| trans-Chlordane     | ND     |           | 1.0 | 0.22 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| Heptachlor          | ND     |           | 1.0 | 0.17 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| Heptachlor epoxide  | ND     |           | 1.0 | 0.15 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| Methoxychlor        | ND     |           | 1.0 | 0.28 | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| Toxaphene           | ND     |           | 10  | 2.4  | ug/L |   | 05/30/19 16:56 | 06/03/19 10:49 | 20      |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

Client Sample ID: MW-1-10

Lab Sample ID: 480-154079-3

Date Collected: 05/23/19 12:48

Matrix: Water

Date Received: 05/23/19 15:20

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 0         | X         | 20 - 120 | 05/30/19 16:56 | 06/03/19 10:49 | 20      |
| Tetrachloro-m-xylene   | 0         | X         | 44 - 120 | 05/30/19 16:56 | 06/03/19 10:49 | 20      |

## 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 |   | 05/29/19 15:43 | 05/30/19 18:04 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 18:04 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 18:04 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 18:04 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 18:04 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 18:04 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 18:04 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 18:04 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 18:04 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 56        |           | 39 - 121 | 05/29/19 15:43 | 05/30/19 18:04 | 1       |
| DCB Decachlorobiphenyl | 35        |           | 19 - 120 | 05/29/19 15:43 | 05/30/19 18:04 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Barium    | 0.036  |           | 0.0020 | 0.00070 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Calcium   | 111    |           | 0.50   | 0.10    | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Iron      | 0.038  | J         | 0.050  | 0.019   | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Magnesium | 23.5   |           | 0.20   | 0.043   | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Manganese | 0.76   |           | 0.0030 | 0.00040 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Nickel    | 0.0020 | J         | 0.010  | 0.0013  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Potassium | 2.0    | B         | 0.50   | 0.10    | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Sodium    | 58.2   | B ^       | 1.0    | 0.32    | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:05 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 05/30/19 11:15 | 05/30/19 14:21 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

Client Sample ID: MW-2-10

Lab Sample ID: 480-154079-4

Date Collected: 05/23/19 12:42

Matrix: Water

Date Received: 05/23/19 15:20

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

| Analyte                       | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 5.6 | 0.53 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 5.6 | 0.68 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 5.6 | 0.57 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 5.6 | 0.56 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 11  | 2.5  | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 5.6 | 0.50 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 5.6 | 0.44 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 2-Chloronaphthalene           | ND     |           | 5.6 | 0.51 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 2-Chlorophenol                | ND     |           | 5.6 | 0.59 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 2-Methylnaphthalene           | ND     |           | 5.6 | 0.67 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 2-Methylphenol                | ND     |           | 5.6 | 0.44 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 2-Nitroaniline                | ND     |           | 11  | 0.47 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 2-Nitrophenol                 | ND     |           | 5.6 | 0.53 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 5.6 | 0.44 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 3-Nitroaniline                | ND     |           | 11  | 0.53 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 11  | 2.4  | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 5.6 | 0.50 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 5.6 | 0.50 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 4-Chloroaniline               | ND     |           | 5.6 | 0.66 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 5.6 | 0.39 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 4-Methylphenol                | ND     |           | 11  | 0.40 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 4-Nitroaniline                | ND     |           | 11  | 0.28 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 4-Nitrophenol                 | ND     |           | 11  | 1.7  | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Acenaphthene                  | ND     |           | 5.6 | 0.46 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Acenaphthylene                | ND     |           | 5.6 | 0.42 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Acetophenone                  | ND     |           | 5.6 | 0.60 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Anthracene                    | ND     |           | 5.6 | 0.31 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Atrazine                      | ND     |           | 5.6 | 0.51 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Benzaldehyde                  | ND     |           | 5.6 | 0.30 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Benzo(a)anthracene            | ND     |           | 5.6 | 0.40 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Benzo(a)pyrene                | ND     |           | 5.6 | 0.52 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 5.6 | 0.38 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 5.6 | 0.39 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 5.6 | 0.81 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Biphenyl                      | ND     |           | 5.6 | 0.73 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 5.6 | 0.58 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.6 | 0.39 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 5.6 | 0.44 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 5.6 | 2.4  | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Butyl benzyl phthalate        | ND     |           | 5.6 | 1.1  | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Caprolactam                   | ND     |           | 5.6 | 2.4  | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Carbazole                     | ND     |           | 5.6 | 0.33 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Chrysene                      | ND     |           | 5.6 | 0.37 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 5.6 | 0.47 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Dibenzofuran                  | ND     |           | 11  | 0.57 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Diethyl phthalate             | ND     |           | 5.6 | 0.24 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Dimethyl phthalate            | ND     |           | 5.6 | 0.40 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Di-n-butyl phthalate          | ND     |           | 5.6 | 0.34 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Di-n-octyl phthalate          | ND     |           | 5.6 | 0.52 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

Client Sample ID: MW-2-10

Lab Sample ID: 480-154079-4

Date Collected: 05/23/19 12:42

Matrix: Water

Date Received: 05/23/19 15:20

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

| Analyte                   | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 5.6 | 0.44 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Fluorene                  | ND     |           | 5.6 | 0.40 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Hexachlorobenzene         | ND     |           | 5.6 | 0.57 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Hexachlorobutadiene       | ND     |           | 5.6 | 0.76 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 5.6 | 0.66 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Hexachloroethane          | ND     |           | 5.6 | 0.66 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 5.6 | 0.52 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Isophorone                | ND     |           | 5.6 | 0.48 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Naphthalene               | ND     |           | 5.6 | 0.84 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Nitrobenzene              | ND     |           | 5.6 | 0.32 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 5.6 | 0.60 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 5.6 | 0.57 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Pentachlorophenol         | ND     |           | 11  | 2.4  | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Phenanthrene              | ND     |           | 5.6 | 0.49 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Phenol                    | ND     |           | 5.6 | 0.43 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Pyrene                    | ND     |           | 5.6 | 0.38 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:04 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 90        |           | 41 - 120 | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 2-Fluorobiphenyl     | 89        |           | 48 - 120 | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| 2-Fluorophenol       | 73        |           | 35 - 120 | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Nitrobenzene-d5      | 80        |           | 46 - 120 | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| Phenol-d5            | 57        |           | 22 - 120 | 05/29/19 06:59 | 06/05/19 14:04 | 1       |
| p-Terphenyl-d14      | 69        |           | 59 - 136 | 05/29/19 06:59 | 06/05/19 14:04 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Barium    | 0.017  |           | 0.0020 | 0.00070 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Calcium   | 69.5   |           | 0.50   | 0.10    | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Chromium  | 0.0059 |           | 0.0040 | 0.0010  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Copper    | 0.0028 | J         | 0.010  | 0.0016  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Iron      | ND     |           | 0.050  | 0.019   | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Magnesium | 13.6   |           | 0.20   | 0.043   | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Manganese | ND     |           | 0.0030 | 0.00040 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Nickel    | ND     |           | 0.010  | 0.0013  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Potassium | 2.3    | B         | 0.50   | 0.10    | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Sodium    | 56.1   |           | 1.0    | 0.32    | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |
| Zinc      | 0.0027 | J         | 0.010  | 0.0015  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:09 | 1       |

Eurofins TestAmerica, Buffalo

## Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154079-1

**Client Sample ID: MW-2-10**

**Lab Sample ID: 480-154079-4**

**Date Collected: 05/23/19 12:42**

**Matrix: Water**

**Date Received: 05/23/19 15:20**

**Method: 7470A - Mercury (CVAA)**

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L | — | 05/30/19 11:15 | 05/30/19 14:22 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

Client Sample ID: MW-3-10

Lab Sample ID: 480-154079-5

Date Collected: 05/23/19 12:35

Matrix: Water

Date Received: 05/23/19 15:20

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

| Analyte                       | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 5.2 | 0.50 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 5.2 | 0.64 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 5.2 | 0.53 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 5.2 | 0.52 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 10  | 2.3  | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 5.2 | 0.47 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 5.2 | 0.42 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 2-Chloronaphthalene           | ND     |           | 5.2 | 0.48 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 2-Chlorophenol                | ND     |           | 5.2 | 0.55 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 2-Methylnaphthalene           | ND     |           | 5.2 | 0.63 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 2-Methylphenol                | ND     |           | 5.2 | 0.42 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 2-Nitroaniline                | ND     |           | 10  | 0.44 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 2-Nitrophenol                 | ND     |           | 5.2 | 0.50 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 5.2 | 0.42 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 3-Nitroaniline                | ND     |           | 10  | 0.50 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10  | 2.3  | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 5.2 | 0.47 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 5.2 | 0.47 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 4-Chloroaniline               | ND     |           | 5.2 | 0.61 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 5.2 | 0.36 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 4-Methylphenol                | ND     |           | 10  | 0.38 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 4-Nitroaniline                | ND     |           | 10  | 0.26 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 4-Nitrophenol                 | ND     |           | 10  | 1.6  | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Acenaphthene                  | ND     |           | 5.2 | 0.43 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Acenaphthylene                | ND     |           | 5.2 | 0.40 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Acetophenone                  | ND     |           | 5.2 | 0.56 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Anthracene                    | ND     |           | 5.2 | 0.29 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Atrazine                      | ND     |           | 5.2 | 0.48 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Benzaldehyde                  | ND     |           | 5.2 | 0.28 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Benzo(a)anthracene            | ND     |           | 5.2 | 0.38 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Benzo(a)pyrene                | ND     |           | 5.2 | 0.49 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 5.2 | 0.35 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 5.2 | 0.36 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 5.2 | 0.76 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Biphenyl                      | ND     |           | 5.2 | 0.68 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 5.2 | 0.54 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.2 | 0.36 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 5.2 | 0.42 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 5.2 | 2.3  | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Butyl benzyl phthalate        | ND     |           | 5.2 | 1.0  | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Caprolactam                   | ND     |           | 5.2 | 2.3  | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Carbazole                     | ND     |           | 5.2 | 0.31 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Chrysene                      | ND     |           | 5.2 | 0.34 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 5.2 | 0.44 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Dibenzofuran                  | ND     |           | 10  | 0.53 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Diethyl phthalate             | ND     |           | 5.2 | 0.23 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Dimethyl phthalate            | ND     |           | 5.2 | 0.38 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Di-n-butyl phthalate          | ND     |           | 5.2 | 0.32 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Di-n-octyl phthalate          | ND     |           | 5.2 | 0.49 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

Client Sample ID: MW-3-10

Lab Sample ID: 480-154079-5

Date Collected: 05/23/19 12:35

Matrix: Water

Date Received: 05/23/19 15:20

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

| Analyte                   | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Fluoranthene              | ND     |           | 5.2 | 0.42 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Fluorene                  | ND     |           | 5.2 | 0.38 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Hexachlorobenzene         | ND     |           | 5.2 | 0.53 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Hexachlorobutadiene       | ND     |           | 5.2 | 0.71 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 5.2 | 0.61 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Hexachloroethane          | ND     |           | 5.2 | 0.61 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 5.2 | 0.49 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Isophorone                | ND     |           | 5.2 | 0.45 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Naphthalene               | ND     |           | 5.2 | 0.79 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Nitrobenzene              | ND     |           | 5.2 | 0.30 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 5.2 | 0.56 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 5.2 | 0.53 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Pentachlorophenol         | ND     |           | 10  | 2.3  | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Phenanthrene              | ND     |           | 5.2 | 0.46 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Phenol                    | ND     |           | 5.2 | 0.41 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Pyrene                    | ND     |           | 5.2 | 0.35 | ug/L |   | 05/29/19 06:59 | 06/05/19 14:33 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 110       |           | 41 - 120 | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 2-Fluorobiphenyl     | 99        |           | 48 - 120 | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| 2-Fluorophenol       | 78        |           | 35 - 120 | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Nitrobenzene-d5      | 86        |           | 46 - 120 | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| Phenol-d5            | 61        |           | 22 - 120 | 05/29/19 06:59 | 06/05/19 14:33 | 1       |
| p-Terphenyl-d14      | 80        |           | 59 - 136 | 05/29/19 06:59 | 06/05/19 14:33 | 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 |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| 4,4'-DDT            | ND     |           | 0.050 | 0.011  | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| delta-BHC           | ND     |           | 0.050 | 0.010  | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| Endrin aldehyde     | ND     |           | 0.050 | 0.016  | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| gamma-BHC (Lindane) | ND     |           | 0.050 | 0.0080 | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| trans-Chlordane     | ND     |           | 0.050 | 0.011  | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| Heptachlor          | ND     |           | 0.050 | 0.0085 | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| Heptachlor epoxide  | ND     |           | 0.050 | 0.0074 | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| Methoxychlor        | ND     |           | 0.050 | 0.014  | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| Toxaphene           | ND     |           | 0.50  | 0.12   | ug/L |   | 05/30/19 16:56 | 06/03/19 11:09 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

Client Sample ID: MW-3-10

Lab Sample ID: 480-154079-5

Date Collected: 05/23/19 12:35

Matrix: Water

Date Received: 05/23/19 15:20

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 23        |           | 20 - 120 | 05/30/19 16:56 | 06/03/19 11:09 | 1       |
| Tetrachloro-m-xylene   | 67        |           | 44 - 120 | 05/30/19 16:56 | 06/03/19 11:09 | 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 |   | 05/29/19 15:43 | 05/30/19 18:16 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 18:16 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 18:16 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 18:16 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 18:16 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 18:16 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 18:16 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 18:16 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 18:16 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 73        |           | 39 - 121 | 05/29/19 15:43 | 05/30/19 18:16 | 1       |
| DCB Decachlorobiphenyl | 33        |           | 19 - 120 | 05/29/19 15:43 | 05/30/19 18:16 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Barium    | 0.034  |           | 0.0020 | 0.00070 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Calcium   | 168    |           | 0.50   | 0.10    | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Chromium  | 0.0013 | J         | 0.0040 | 0.0010  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Copper    | 0.0021 | J         | 0.010  | 0.0016  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Iron      | 0.027  | J         | 0.050  | 0.019   | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Magnesium | 35.9   |           | 0.20   | 0.043   | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Manganese | 0.0084 |           | 0.0030 | 0.00040 | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Nickel    | 0.0021 | J         | 0.010  | 0.0013  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Potassium | 4.5    | B         | 0.50   | 0.10    | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Sodium    | 109    | B ^       | 1.0    | 0.32    | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |
| Zinc      | 0.0061 | J         | 0.010  | 0.0015  | mg/L |   | 05/29/19 07:33 | 05/31/19 18:12 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 05/30/19 11:15 | 05/30/19 14:24 | 1       |

Eurofins TestAmerica, Buffalo

## Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID     | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                  |
|-------------------|------------------------|------------------------------------------------|-----------------|-----------------|------------------|
|                   |                        | DCA<br>(70-130)                                | BFB<br>(70-130) | TOL<br>(70-130) | DBFM<br>(70-130) |
| 480-154079-1      | MW-6-10                | 107                                            | 98              | 98              | 105              |
| 480-154079-1      | MW-6-10                | 105                                            | 105             | 99              | 97               |
| 480-154079-2      | MW-6-10 DUPLICATE      | 107                                            | 102             | 98              | 103              |
| 480-154079-2      | MW-6-10 DUPLICATE      | 105                                            | 103             | 100             | 100              |
| LCS 490-598632/3  | Lab Control Sample     | 103                                            | 98              | 99              | 103              |
| LCSD 490-598632/4 | Lab Control Sample Dup | 101                                            | 100             | 100             | 98               |
| MB 490-598632/6   | Method Blank           | 105                                            | 97              | 98              | 99               |

**Surrogate Legend**

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
TOL = Toluene-d8 (Surr)  
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                 |                 |                    |
|---------------------|------------------------|------------------------------------------------|-----------------|-----------------|-----------------|-----------------|--------------------|
|                     |                        | TBP<br>(41-120)                                | FBP<br>(48-120) | 2FP<br>(35-120) | NBZ<br>(46-120) | PHL<br>(22-120) | TPHd14<br>(59-136) |
| 480-154079-1        | MW-6-10                | 53                                             | 100             | 71              | 76              | 50              | 83                 |
| 480-154079-2        | MW-6-10 DUPLICATE      | 104                                            | 99              | 78              | 89              | 57              | 81                 |
| 480-154079-3        | MW-1-10                | 65                                             | 98              | 59              | 69              | 45              | 80                 |
| 480-154079-4        | MW-2-10                | 90                                             | 89              | 73              | 80              | 57              | 69                 |
| 480-154079-5        | MW-3-10                | 110                                            | 99              | 78              | 86              | 61              | 80                 |
| LCS 480-474997/2-A  | Lab Control Sample     | 106                                            | 94              | 82              | 97              | 64              | 103                |
| LCSD 480-474997/3-A | Lab Control Sample Dup | 105                                            | 90              | 79              | 93              | 63              | 96                 |
| MB 480-474997/1-A   | Method Blank           | 97                                             | 98              | 79              | 93              | 59              | 106                |

**Surrogate Legend**

TBP = 2,4,6-Tribromophenol  
FBP = 2-Fluorobiphenyl  
2FP = 2-Fluorophenol  
NBZ = Nitrobenzene-d5  
PHL = Phenol-d5  
TPHd14 = p-Terphenyl-d14

### Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                  |
|---------------------|------------------------|------------------------------------------------|------------------|
|                     |                        | DCBP1<br>(20-120)                              | TCX1<br>(44-120) |
| 480-154079-1        | MW-6-10                | 28                                             | 87               |
| 480-154079-2        | MW-6-10 DUPLICATE      | 35                                             | 85               |
| 480-154079-3        | MW-1-10                | 0 X                                            | 0 X              |
| 480-154079-5        | MW-3-10                | 23                                             | 67               |
| LCS 480-475151/2-A  | Lab Control Sample     | 55                                             | 88               |
| LCS 480-475434/2-A  | Lab Control Sample     | 34                                             | 70               |
| LCSD 480-475151/3-A | Lab Control Sample Dup | 52                                             | 84               |
| LCSD 480-475434/3-A | Lab Control Sample Dup | 30                                             | 69               |

Eurofins TestAmerica, Buffalo

## Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154079-1

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

Matrix: Water

Prep Type: Total/NA

|                               |                  | Percent Surrogate Recovery (Acceptance Limits) |                  |
|-------------------------------|------------------|------------------------------------------------|------------------|
| Lab Sample ID                 | Client Sample ID | DCBP1<br>(20-120)                              | TCX1<br>(44-120) |
| MB 480-475151/1-A             | Method Blank     | 54                                             | 99               |
| MB 480-475434/1-A             | Method Blank     | 38                                             | 71               |
| <b>Surrogate Legend</b>       |                  |                                                |                  |
| DCBP = DCB Decachlorobiphenyl |                  |                                                |                  |
| TCX = Tetrachloro-m-xylene    |                  |                                                |                  |

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

Matrix: Water

Prep Type: Total/NA

|                               |                    | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------------|--------------------|------------------------------------------------|-------------------|
| Lab Sample ID                 | Client Sample ID   | TCX2<br>(39-121)                               | DCBP2<br>(19-120) |
| 480-154079-1                  | MW-6-10            | 77                                             | 40                |
| 480-154079-2                  | MW-6-10 DUPLICATE  | 67                                             | 30                |
| 480-154079-3                  | MW-1-10            | 56                                             | 35                |
| 480-154079-5                  | MW-3-10            | 73                                             | 33                |
| LCS 480-475155/2-A            | Lab Control Sample | 62                                             | 40                |
| MB 480-475155/1-A             | Method Blank       | 75                                             | 58                |
| <b>Surrogate Legend</b>       |                    |                                                |                   |
| TCX = Tetrachloro-m-xylene    |                    |                                                |                   |
| DCBP = DCB Decachlorobiphenyl |                    |                                                |                   |



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

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

Lab Sample ID: MB 490-598632/6

Matrix: Water

Analysis Batch: 598632

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB<br>Result | MB<br>Qualifier | RL  | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------------|-----------------|-----|-------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND           |                 | 1.0 | 0.19  | ug/L |   |          | 05/30/19 14:23 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND           |                 | 1.0 | 0.19  | ug/L |   |          | 05/30/19 14:23 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND           |                 | 1.0 | 0.15  | ug/L |   |          | 05/30/19 14:23 | 1       |
| 1,1,2-Trichloroethane                 | ND           |                 | 1.0 | 0.19  | ug/L |   |          | 05/30/19 14:23 | 1       |
| 1,1-Dichloroethane                    | ND           |                 | 1.0 | 0.24  | ug/L |   |          | 05/30/19 14:23 | 1       |
| 1,1-Dichloroethene                    | ND           |                 | 1.0 | 0.25  | ug/L |   |          | 05/30/19 14:23 | 1       |
| 1,2,4-Trichlorobenzene                | ND           |                 | 1.0 | 0.20  | ug/L |   |          | 05/30/19 14:23 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND           |                 | 10  | 0.94  | ug/L |   |          | 05/30/19 14:23 | 1       |
| 1,2-Dichlorobenzene                   | ND           |                 | 1.0 | 0.19  | ug/L |   |          | 05/30/19 14:23 | 1       |
| 1,2-Dichloroethane                    | ND           |                 | 1.0 | 0.20  | ug/L |   |          | 05/30/19 14:23 | 1       |
| 1,2-Dichloropropane                   | ND           |                 | 1.0 | 0.25  | ug/L |   |          | 05/30/19 14:23 | 1       |
| 1,3-Dichlorobenzene                   | ND           |                 | 1.0 | 0.18  | ug/L |   |          | 05/30/19 14:23 | 1       |
| 1,4-Dichlorobenzene                   | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/30/19 14:23 | 1       |
| 2-Butanone (MEK)                      | ND           |                 | 50  | 2.6   | ug/L |   |          | 05/30/19 14:23 | 1       |
| 2-Hexanone                            | ND           |                 | 10  | 1.3   | ug/L |   |          | 05/30/19 14:23 | 1       |
| t-Butyl alcohol                       | ND           |                 | 10  | 3.9   | ug/L |   |          | 05/30/19 14:23 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND           |                 | 10  | 0.81  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Acetone                               | ND           |                 | 25  | 2.7   | ug/L |   |          | 05/30/19 14:23 | 1       |
| Benzene                               | ND           |                 | 1.0 | 0.20  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Bromoform                             | ND           |                 | 1.0 | 0.29  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Bromomethane                          | ND           |                 | 1.0 | 0.35  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Carbon disulfide                      | ND           |                 | 1.0 | 0.22  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Carbon tetrachloride                  | ND           |                 | 1.0 | 0.18  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Chlorobenzene                         | ND           |                 | 1.0 | 0.18  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Dibromochloromethane                  | ND           |                 | 1.0 | 0.25  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Chloroethane                          | ND           |                 | 1.0 | 0.36  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Chloroform                            | ND           |                 | 1.0 | 0.23  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Chloromethane                         | ND           |                 | 1.0 | 0.36  | ug/L |   |          | 05/30/19 14:23 | 1       |
| cis-1,2-Dichloroethene                | ND           |                 | 1.0 | 0.21  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Cyclohexane                           | ND           |                 | 5.0 | 0.13  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Bromodichloromethane                  | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Dichlorodifluoromethane               | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Ethylbenzene                          | ND           |                 | 1.0 | 0.19  | ug/L |   |          | 05/30/19 14:23 | 1       |
| 1,2-Dibromoethane                     | ND           |                 | 1.0 | 0.21  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Isopropylbenzene                      | ND           |                 | 1.0 | 0.33  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Methyl acetate                        | ND           |                 | 10  | 0.58  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Methyl tert-butyl ether               | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Methylcyclohexane                     | ND           |                 | 5.0 | 0.090 | ug/L |   |          | 05/30/19 14:23 | 1       |
| Methylene Chloride                    | ND           |                 | 5.0 | 1.0   | ug/L |   |          | 05/30/19 14:23 | 1       |
| Tetrachloroethene                     | ND           |                 | 1.0 | 0.14  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Toluene                               | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/30/19 14:23 | 1       |
| trans-1,2-Dichloroethene              | ND           |                 | 1.0 | 0.23  | ug/L |   |          | 05/30/19 14:23 | 1       |
| trans-1,3-Dichloropropene             | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Trichloroethene                       | ND           |                 | 1.0 | 0.20  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Trichlorofluoromethane                | ND           |                 | 1.0 | 0.21  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Vinyl chloride                        | ND           |                 | 1.0 | 0.18  | ug/L |   |          | 05/30/19 14:23 | 1       |
| Xylenes, Total                        | ND           |                 | 3.0 | 0.58  | ug/L |   |          | 05/30/19 14:23 | 1       |
| cis-1,3-Dichloropropene               | ND           |                 | 1.0 | 0.17  | ug/L |   |          | 05/30/19 14:23 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

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

Lab Sample ID: MB 490-598632/6

Matrix: Water

Analysis Batch: 598632

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                      | MB<br>Result    | MB<br>Qualifier | RL       | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------------|-----------------|----------|------|------|---|----------|----------------|---------|
| Styrene                      | ND              |                 | 1.0      | 0.28 | ug/L |   |          | 05/30/19 14:23 | 1       |
| Surrogate                    | MB<br>%Recovery | MB<br>Qualifier | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 105             |                 | 70 - 130 |      |      |   |          | 05/30/19 14:23 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97              |                 | 70 - 130 |      |      |   |          | 05/30/19 14:23 | 1       |
| Toluene-d8 (Surr)            | 98              |                 | 70 - 130 |      |      |   |          | 05/30/19 14:23 | 1       |
| Dibromofluoromethane (Surr)  | 99              |                 | 70 - 130 |      |      |   |          | 05/30/19 14:23 | 1       |

Lab Sample ID: LCS 490-598632/3

Matrix: Water

Analysis Batch: 598632

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------------------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 1,1,1-Trichloroethane                 | 20.0           | 21.8          |                  | ug/L |   | 109  | 78 - 135        |
| 1,1,2,2-Tetrachloroethane             | 20.0           | 22.1          |                  | ug/L |   | 111  | 69 - 131        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 20.0           | 22.8          |                  | ug/L |   | 114  | 77 - 129        |
| 1,1,2-Trichloroethane                 | 20.0           | 20.5          |                  | ug/L |   | 103  | 80 - 124        |
| 1,1-Dichloroethane                    | 20.0           | 22.1          |                  | ug/L |   | 110  | 78 - 125        |
| 1,1-Dichloroethene                    | 20.0           | 22.0          |                  | ug/L |   | 110  | 79 - 124        |
| 1,2,4-Trichlorobenzene                | 20.0           | 21.0          |                  | ug/L |   | 105  | 63 - 133        |
| 1,2-Dibromo-3-Chloropropane           | 20.0           | 18.7          |                  | ug/L |   | 93   | 54 - 125        |
| 1,2-Dichlorobenzene                   | 20.0           | 22.0          |                  | ug/L |   | 110  | 80 - 121        |
| 1,2-Dichloroethane                    | 20.0           | 24.1          |                  | ug/L |   | 120  | 77 - 121        |
| 1,2-Dichloropropane                   | 20.0           | 22.8          |                  | ug/L |   | 114  | 75 - 120        |
| 1,3-Dichlorobenzene                   | 20.0           | 22.5          |                  | ug/L |   | 113  | 80 - 122        |
| 1,4-Dichlorobenzene                   | 20.0           | 21.2          |                  | ug/L |   | 106  | 80 - 120        |
| 2-Butanone (MEK)                      | 100            | 110           |                  | ug/L |   | 110  | 62 - 133        |
| 2-Hexanone                            | 100            | 112           |                  | ug/L |   | 112  | 60 - 142        |
| t-Butyl alcohol                       | 200            | 216           |                  | ug/L |   | 108  | 54 - 150        |
| 4-Methyl-2-pentanone (MIBK)           | 100            | 122           |                  | ug/L |   | 122  | 60 - 137        |
| Acetone                               | 100            | 101           |                  | ug/L |   | 101  | 54 - 145        |
| Benzene                               | 20.0           | 22.7          |                  | ug/L |   | 113  | 80 - 121        |
| Bromoform                             | 20.0           | 17.1          |                  | ug/L |   | 86   | 46 - 145        |
| Bromomethane                          | 20.0           | 9.51          |                  | ug/L |   | 48   | 41 - 150        |
| Carbon disulfide                      | 20.0           | 21.0          |                  | ug/L |   | 105  | 77 - 126        |
| Carbon tetrachloride                  | 20.0           | 19.0          |                  | ug/L |   | 95   | 64 - 147        |
| Chlorobenzene                         | 20.0           | 22.0          |                  | ug/L |   | 110  | 80 - 120        |
| Dibromochloromethane                  | 20.0           | 18.5          |                  | ug/L |   | 92   | 69 - 133        |
| Chloroethane                          | 20.0           | 21.2          |                  | ug/L |   | 106  | 72 - 120        |
| Chloroform                            | 20.0           | 23.1          |                  | ug/L |   | 115  | 73 - 129        |
| Chloromethane                         | 20.0           | 24.7          |                  | ug/L |   | 123  | 12 - 150        |
| cis-1,2-Dichloroethene                | 20.0           | 22.6          |                  | ug/L |   | 113  | 76 - 125        |
| Cyclohexane                           | 20.0           | 22.9          |                  | ug/L |   | 115  | 73 - 122        |
| Bromodichloromethane                  | 20.0           | 21.2          |                  | ug/L |   | 106  | 75 - 129        |
| Dichlorodifluoromethane               | 20.0           | 18.1          |                  | ug/L |   | 91   | 37 - 127        |
| Ethylbenzene                          | 20.0           | 22.5          |                  | ug/L |   | 112  | 80 - 130        |
| 1,2-Dibromoethane                     | 20.0           | 21.7          |                  | ug/L |   | 109  | 80 - 129        |
| Isopropylbenzene                      | 20.0           | 22.3          |                  | ug/L |   | 112  | 80 - 141        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

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

Lab Sample ID: LCS 490-598632/3

Matrix: Water

Analysis Batch: 598632

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Methyl acetate            | 40.0        | 44.6       |               | ug/L |   | 112  | 64 - 150     |
| Methyl tert-butyl ether   | 20.0        | 22.5       |               | ug/L |   | 113  | 72 - 133     |
| Methylcyclohexane         | 20.0        | 23.7       |               | ug/L |   | 118  | 71 - 129     |
| Methylene Chloride        | 20.0        | 21.3       |               | ug/L |   | 107  | 79 - 123     |
| Tetrachloroethene         | 20.0        | 21.2       |               | ug/L |   | 106  | 80 - 126     |
| Toluene                   | 20.0        | 21.5       |               | ug/L |   | 107  | 80 - 126     |
| trans-1,2-Dichloroethene  | 20.0        | 22.1       |               | ug/L |   | 110  | 79 - 126     |
| trans-1,3-Dichloropropene | 20.0        | 19.3       |               | ug/L |   | 97   | 63 - 134     |
| Trichloroethene           | 20.0        | 22.8       |               | ug/L |   | 114  | 80 - 123     |
| Trichlorofluoromethane    | 20.0        | 19.1       |               | ug/L |   | 95   | 65 - 124     |
| Vinyl chloride            | 20.0        | 19.4       |               | ug/L |   | 97   | 68 - 120     |
| cis-1,3-Dichloropropene   | 20.0        | 20.7       |               | ug/L |   | 103  | 74 - 140     |
| Styrene                   | 20.0        | 22.8       |               | ug/L |   | 114  | 80 - 127     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 103           |               | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 98            |               | 70 - 130 |
| Toluene-d8 (Surr)            | 99            |               | 70 - 130 |
| Dibromofluoromethane (Surr)  | 103           |               | 70 - 130 |

Lab Sample ID: LCSD 490-598632/4

Matrix: Water

Analysis Batch: 598632

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| 1,1,1-Trichloroethane                 | 20.0        | 21.6        |                | ug/L |   | 108  | 78 - 135     | 1   | 15        |
| 1,1,2,2-Tetrachloroethane             | 20.0        | 21.4        |                | ug/L |   | 107  | 69 - 131     | 3   | 15        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 20.0        | 23.1        |                | ug/L |   | 116  | 77 - 129     | 1   | 16        |
| 1,1,2-Trichloroethane                 | 20.0        | 20.8        |                | ug/L |   | 104  | 80 - 124     | 1   | 13        |
| 1,1-Dichloroethane                    | 20.0        | 22.7        |                | ug/L |   | 114  | 78 - 125     | 3   | 17        |
| 1,1-Dichloroethene                    | 20.0        | 21.9        |                | ug/L |   | 110  | 79 - 124     | 0   | 20        |
| 1,2,4-Trichlorobenzene                | 20.0        | 20.5        |                | ug/L |   | 102  | 63 - 133     | 3   | 15        |
| 1,2-Dibromo-3-Chloropropane           | 20.0        | 18.4        |                | ug/L |   | 92   | 54 - 125     | 1   | 19        |
| 1,2-Dichlorobenzene                   | 20.0        | 21.5        |                | ug/L |   | 108  | 80 - 121     | 2   | 12        |
| 1,2-Dichloroethane                    | 20.0        | 23.1        |                | ug/L |   | 115  | 77 - 121     | 4   | 13        |
| 1,2-Dichloropropane                   | 20.0        | 22.1        |                | ug/L |   | 111  | 75 - 120     | 3   | 15        |
| 1,3-Dichlorobenzene                   | 20.0        | 22.2        |                | ug/L |   | 111  | 80 - 122     | 2   | 13        |
| 1,4-Dichlorobenzene                   | 20.0        | 21.2        |                | ug/L |   | 106  | 80 - 120     | 0   | 12        |
| 2-Butanone (MEK)                      | 100         | 107         |                | ug/L |   | 107  | 62 - 133     | 3   | 19        |
| 2-Hexanone                            | 100         | 110         |                | ug/L |   | 110  | 60 - 142     | 2   | 17        |
| t-Butyl alcohol                       | 200         | 212         |                | ug/L |   | 106  | 54 - 150     | 2   | 46        |
| 4-Methyl-2-pentanone (MIBK)           | 100         | 120         |                | ug/L |   | 120  | 60 - 137     | 2   | 21        |
| Acetone                               | 100         | 105         |                | ug/L |   | 105  | 54 - 145     | 4   | 23        |
| Benzene                               | 20.0        | 22.4        |                | ug/L |   | 112  | 80 - 121     | 1   | 12        |
| Bromoform                             | 20.0        | 16.7        |                | ug/L |   | 83   | 46 - 145     | 2   | 14        |
| Bromomethane                          | 20.0        | 10.3        |                | ug/L |   | 51   | 41 - 150     | 8   | 19        |
| Carbon disulfide                      | 20.0        | 21.9        |                | ug/L |   | 110  | 77 - 126     | 4   | 16        |
| Carbon tetrachloride                  | 20.0        | 19.5        |                | ug/L |   | 98   | 64 - 147     | 3   | 16        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

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

Lab Sample ID: LCSD 490-598632/4

Matrix: Water

Analysis Batch: 598632

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Chlorobenzene             | 20.0        | 22.3        |                | ug/L |   | 111  | 80 - 120     | 1   | 12        |
| Dibromochloromethane      | 20.0        | 18.5        |                | ug/L |   | 93   | 69 - 133     | 0   | 13        |
| Chloroethane              | 20.0        | 20.7        |                | ug/L |   | 103  | 72 - 120     | 3   | 15        |
| Chloroform                | 20.0        | 22.6        |                | ug/L |   | 113  | 73 - 129     | 2   | 14        |
| Chloromethane             | 20.0        | 24.8        |                | ug/L |   | 124  | 12 - 150     | 1   | 20        |
| cis-1,2-Dichloroethene    | 20.0        | 22.7        |                | ug/L |   | 114  | 76 - 125     | 1   | 15        |
| Cyclohexane               | 20.0        | 23.1        |                | ug/L |   | 116  | 73 - 122     | 1   | 16        |
| Bromodichloromethane      | 20.0        | 21.1        |                | ug/L |   | 105  | 75 - 129     | 1   | 14        |
| Dichlorodifluoromethane   | 20.0        | 18.3        |                | ug/L |   | 91   | 37 - 127     | 1   | 16        |
| Ethylbenzene              | 20.0        | 23.0        |                | ug/L |   | 115  | 80 - 130     | 2   | 12        |
| 1,2-Dibromoethane         | 20.0        | 21.6        |                | ug/L |   | 108  | 80 - 129     | 1   | 13        |
| Isopropylbenzene          | 20.0        | 22.9        |                | ug/L |   | 114  | 80 - 141     | 2   | 13        |
| Methyl acetate            | 40.0        | 40.8        |                | ug/L |   | 102  | 64 - 150     | 9   | 18        |
| Methyl tert-butyl ether   | 20.0        | 21.8        |                | ug/L |   | 109  | 72 - 133     | 3   | 16        |
| Methylcyclohexane         | 20.0        | 23.0        |                | ug/L |   | 115  | 71 - 129     | 3   | 17        |
| Methylene Chloride        | 20.0        | 21.2        |                | ug/L |   | 106  | 79 - 123     | 1   | 15        |
| Tetrachloroethene         | 20.0        | 21.8        |                | ug/L |   | 109  | 80 - 126     | 3   | 17        |
| Toluene                   | 20.0        | 22.3        |                | ug/L |   | 111  | 80 - 126     | 4   | 13        |
| trans-1,2-Dichloroethene  | 20.0        | 22.0        |                | ug/L |   | 110  | 79 - 126     | 0   | 15        |
| trans-1,3-Dichloropropene | 20.0        | 19.3        |                | ug/L |   | 97   | 63 - 134     | 0   | 13        |
| Trichloroethene           | 20.0        | 21.9        |                | ug/L |   | 110  | 80 - 123     | 4   | 14        |
| Trichlorofluoromethane    | 20.0        | 19.3        |                | ug/L |   | 97   | 65 - 124     | 1   | 22        |
| Vinyl chloride            | 20.0        | 19.3        |                | ug/L |   | 97   | 68 - 120     | 0   | 15        |
| cis-1,3-Dichloropropene   | 20.0        | 20.7        |                | ug/L |   | 104  | 74 - 140     | 0   | 15        |
| Styrene                   | 20.0        | 23.2        |                | ug/L |   | 116  | 80 - 127     | 2   | 12        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 101            |                | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 100            |                | 70 - 130 |
| Toluene-d8 (Surr)            | 100            |                | 70 - 130 |
| Dibromofluoromethane (Surr)  | 98             |                | 70 - 130 |

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

Lab Sample ID: MB 480-474997/1-A

Matrix: Water

Analysis Batch: 476147

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474997

| Analyte               | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol | ND        |              | 5.0 | 0.48 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 2,4,6-Trichlorophenol | ND        |              | 5.0 | 0.61 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 2,4-Dichlorophenol    | ND        |              | 5.0 | 0.51 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 2,4-Dimethylphenol    | ND        |              | 5.0 | 0.50 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 2,4-Dinitrophenol     | ND        |              | 10  | 2.2  | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 2,4-Dinitrotoluene    | ND        |              | 5.0 | 0.45 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 2,6-Dinitrotoluene    | ND        |              | 5.0 | 0.40 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 2-Chloronaphthalene   | ND        |              | 5.0 | 0.46 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 2-Chlorophenol        | ND        |              | 5.0 | 0.53 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 2-Methylnaphthalene   | ND        |              | 5.0 | 0.60 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

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

Lab Sample ID: MB 480-474997/1-A

Matrix: Water

Analysis Batch: 476147

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474997

| Analyte                       | MB<br>Result | MB<br>Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------------|-----|------|------|---|----------------|----------------|---------|
| 2-Methylphenol                | ND           |                 | 5.0 | 0.40 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 2-Nitroaniline                | ND           |                 | 10  | 0.42 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 2-Nitrophenol                 | ND           |                 | 5.0 | 0.48 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 3,3'-Dichlorobenzidine        | ND           |                 | 5.0 | 0.40 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 3-Nitroaniline                | ND           |                 | 10  | 0.48 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND           |                 | 10  | 2.2  | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 4-Bromophenyl phenyl ether    | ND           |                 | 5.0 | 0.45 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 4-Chloro-3-methylphenol       | ND           |                 | 5.0 | 0.45 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 4-Chloroaniline               | ND           |                 | 5.0 | 0.59 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 4-Chlorophenyl phenyl ether   | ND           |                 | 5.0 | 0.35 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 4-Methylphenol                | ND           |                 | 10  | 0.36 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 4-Nitroaniline                | ND           |                 | 10  | 0.25 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 4-Nitrophenol                 | ND           |                 | 10  | 1.5  | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Acenaphthene                  | ND           |                 | 5.0 | 0.41 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Acenaphthylene                | ND           |                 | 5.0 | 0.38 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Acetophenone                  | ND           |                 | 5.0 | 0.54 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Anthracene                    | ND           |                 | 5.0 | 0.28 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Atrazine                      | ND           |                 | 5.0 | 0.46 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Benzaldehyde                  | ND           |                 | 5.0 | 0.27 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Benzo(a)anthracene            | ND           |                 | 5.0 | 0.36 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Benzo(a)pyrene                | ND           |                 | 5.0 | 0.47 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Benzo(b)fluoranthene          | ND           |                 | 5.0 | 0.34 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Benzo(g,h,i)perylene          | ND           |                 | 5.0 | 0.35 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Benzo(k)fluoranthene          | ND           |                 | 5.0 | 0.73 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Biphenyl                      | ND           |                 | 5.0 | 0.65 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| bis (2-chloroisopropyl) ether | ND           |                 | 5.0 | 0.52 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Bis(2-chloroethoxy)methane    | ND           |                 | 5.0 | 0.35 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Bis(2-chloroethyl)ether       | ND           |                 | 5.0 | 0.40 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND           |                 | 5.0 | 2.2  | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Butyl benzyl phthalate        | ND           |                 | 5.0 | 1.0  | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Caprolactam                   | ND           |                 | 5.0 | 2.2  | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Carbazole                     | ND           |                 | 5.0 | 0.30 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Chrysene                      | ND           |                 | 5.0 | 0.33 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Dibenz(a,h)anthracene         | ND           |                 | 5.0 | 0.42 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Dibenzofuran                  | ND           |                 | 10  | 0.51 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Diethyl phthalate             | ND           |                 | 5.0 | 0.22 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Dimethyl phthalate            | ND           |                 | 5.0 | 0.36 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Di-n-butyl phthalate          | ND           |                 | 5.0 | 0.31 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Di-n-octyl phthalate          | ND           |                 | 5.0 | 0.47 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Fluoranthene                  | ND           |                 | 5.0 | 0.40 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Fluorene                      | ND           |                 | 5.0 | 0.36 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Hexachlorobenzene             | ND           |                 | 5.0 | 0.51 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Hexachlorobutadiene           | ND           |                 | 5.0 | 0.68 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Hexachlorocyclopentadiene     | ND           |                 | 5.0 | 0.59 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Hexachloroethane              | ND           |                 | 5.0 | 0.59 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Indeno(1,2,3-cd)pyrene        | ND           |                 | 5.0 | 0.47 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Isophorone                    | ND           |                 | 5.0 | 0.43 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Naphthalene                   | ND           |                 | 5.0 | 0.76 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Nitrobenzene                  | ND           |                 | 5.0 | 0.29 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

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

Lab Sample ID: MB 480-474997/1-A

Matrix: Water

Analysis Batch: 476147

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474997

| Analyte                   | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| N-Nitrosodi-n-propylamine | ND        |              | 5.0 | 0.54 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| N-Nitrosodiphenylamine    | ND        |              | 5.0 | 0.51 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Pentachlorophenol         | ND        |              | 10  | 2.2  | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Phenanthrene              | ND        |              | 5.0 | 0.44 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Phenol                    | ND        |              | 5.0 | 0.39 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Pyrene                    | ND        |              | 5.0 | 0.34 | ug/L |   | 05/29/19 06:59 | 06/05/19 05:56 | 1       |

| Surrogate            | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------------|--------------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 97           |              | 41 - 120 | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 2-Fluorobiphenyl     | 98           |              | 48 - 120 | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| 2-Fluorophenol       | 79           |              | 35 - 120 | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Nitrobenzene-d5      | 93           |              | 46 - 120 | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| Phenol-d5            | 59           |              | 22 - 120 | 05/29/19 06:59 | 06/05/19 05:56 | 1       |
| p-Terphenyl-d14      | 106          |              | 59 - 136 | 05/29/19 06:59 | 06/05/19 05:56 | 1       |

Lab Sample ID: LCS 480-474997/2-A

Matrix: Water

Analysis Batch: 476147

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474997

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 2,4,5-Trichlorophenol       | 32.0        | 33.9       |               | ug/L |   | 106  | 65 - 126     |
| 2,4,6-Trichlorophenol       | 32.0        | 32.0       |               | ug/L |   | 100  | 64 - 120     |
| 2,4-Dichlorophenol          | 32.0        | 31.6       |               | ug/L |   | 99   | 63 - 120     |
| 2,4-Dimethylphenol          | 32.0        | 31.8       |               | ug/L |   | 99   | 47 - 120     |
| 2,4-Dinitrophenol           | 64.0        | 67.8       |               | ug/L |   | 106  | 31 - 137     |
| 2,4-Dinitrotoluene          | 32.0        | 34.7       |               | ug/L |   | 108  | 69 - 120     |
| 2,6-Dinitrotoluene          | 32.0        | 34.1       |               | ug/L |   | 107  | 68 - 120     |
| 2-Chloronaphthalene         | 32.0        | 29.4       |               | ug/L |   | 92   | 58 - 120     |
| 2-Chlorophenol              | 32.0        | 31.7       |               | ug/L |   | 99   | 48 - 120     |
| 2-Methylnaphthalene         | 32.0        | 30.6       |               | ug/L |   | 95   | 59 - 120     |
| 2-Methylphenol              | 32.0        | 30.7       |               | ug/L |   | 96   | 39 - 120     |
| 2-Nitroaniline              | 32.0        | 32.8       |               | ug/L |   | 102  | 54 - 127     |
| 2-Nitrophenol               | 32.0        | 34.5       |               | ug/L |   | 108  | 52 - 125     |
| 3,3'-Dichlorobenzidine      | 64.0        | 72.3       |               | ug/L |   | 113  | 49 - 135     |
| 3-Nitroaniline              | 32.0        | 28.8       |               | ug/L |   | 90   | 51 - 120     |
| 4,6-Dinitro-2-methylphenol  | 64.0        | 75.2       |               | ug/L |   | 118  | 46 - 136     |
| 4-Bromophenyl phenyl ether  | 32.0        | 32.1       |               | ug/L |   | 100  | 65 - 120     |
| 4-Chloro-3-methylphenol     | 32.0        | 33.1       |               | ug/L |   | 103  | 61 - 123     |
| 4-Chloroaniline             | 32.0        | 27.3       |               | ug/L |   | 85   | 30 - 120     |
| 4-Chlorophenyl phenyl ether | 32.0        | 31.4       |               | ug/L |   | 98   | 62 - 120     |
| 4-Methylphenol              | 32.0        | 29.1       |               | ug/L |   | 91   | 29 - 131     |
| 4-Nitroaniline              | 32.0        | 32.8       |               | ug/L |   | 103  | 65 - 120     |
| 4-Nitrophenol               | 64.0        | 56.2       |               | ug/L |   | 88   | 45 - 120     |
| Acenaphthene                | 32.0        | 30.5       |               | ug/L |   | 95   | 60 - 120     |
| Acenaphthylene              | 32.0        | 32.8       |               | ug/L |   | 103  | 63 - 120     |
| Acetophenone                | 32.0        | 31.8       |               | ug/L |   | 99   | 45 - 120     |
| Anthracene                  | 32.0        | 32.1       |               | ug/L |   | 100  | 67 - 120     |
| Atrazine                    | 64.0        | 77.4       |               | ug/L |   | 121  | 71 - 130     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

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

Lab Sample ID: LCS 480-474997/2-A

Matrix: Water

Analysis Batch: 476147

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474997

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|--------------|
| Benzaldehyde                  | 64.0        | 60.7       |               | ug/L |   | 95   | 10 - 140     |
| Benzo(a)anthracene            | 32.0        | 33.6       |               | ug/L |   | 105  | 70 - 121     |
| Benzo(a)pyrene                | 32.0        | 31.1       |               | ug/L |   | 97   | 60 - 123     |
| Benzo(b)fluoranthene          | 32.0        | 35.4       |               | ug/L |   | 111  | 66 - 126     |
| Benzo(g,h,i)perylene          | 32.0        | 34.0       |               | ug/L |   | 106  | 66 - 150     |
| Benzo(k)fluoranthene          | 32.0        | 33.4       |               | ug/L |   | 104  | 65 - 124     |
| Biphenyl                      | 32.0        | 30.0       |               | ug/L |   | 94   | 59 - 120     |
| bis (2-chloroisopropyl) ether | 32.0        | 29.8       |               | ug/L |   | 93   | 21 - 136     |
| Bis(2-chloroethoxy)methane    | 32.0        | 31.4       |               | ug/L |   | 98   | 50 - 128     |
| Bis(2-chloroethyl)ether       | 32.0        | 31.9       |               | ug/L |   | 100  | 44 - 120     |
| Bis(2-ethylhexyl) phthalate   | 32.0        | 34.2       |               | ug/L |   | 107  | 63 - 139     |
| Butyl benzyl phthalate        | 32.0        | 33.6       |               | ug/L |   | 105  | 70 - 129     |
| Caprolactam                   | 64.0        | 24.6       |               | ug/L |   | 38   | 22 - 120     |
| Carbazole                     | 32.0        | 34.1       |               | ug/L |   | 107  | 66 - 123     |
| Chrysene                      | 32.0        | 33.4       |               | ug/L |   | 104  | 69 - 120     |
| Dibenz(a,h)anthracene         | 32.0        | 33.7       |               | ug/L |   | 105  | 65 - 135     |
| Dibenzofuran                  | 32.0        | 30.9       |               | ug/L |   | 96   | 66 - 120     |
| Diethyl phthalate             | 32.0        | 33.7       |               | ug/L |   | 105  | 59 - 127     |
| Dimethyl phthalate            | 32.0        | 33.2       |               | ug/L |   | 104  | 68 - 120     |
| Di-n-butyl phthalate          | 32.0        | 33.6       |               | ug/L |   | 105  | 69 - 131     |
| Di-n-octyl phthalate          | 32.0        | 35.4       |               | ug/L |   | 111  | 63 - 140     |
| Fluoranthene                  | 32.0        | 33.2       |               | ug/L |   | 104  | 69 - 126     |
| Fluorene                      | 32.0        | 31.6       |               | ug/L |   | 99   | 66 - 120     |
| Hexachlorobenzene             | 32.0        | 32.0       |               | ug/L |   | 100  | 61 - 120     |
| Hexachlorobutadiene           | 32.0        | 26.8       |               | ug/L |   | 84   | 35 - 120     |
| Hexachlorocyclopentadiene     | 32.0        | 23.6       |               | ug/L |   | 74   | 31 - 120     |
| Hexachloroethane              | 32.0        | 27.2       |               | ug/L |   | 85   | 43 - 120     |
| Indeno(1,2,3-cd)pyrene        | 32.0        | 33.9       |               | ug/L |   | 106  | 69 - 146     |
| Isophorone                    | 32.0        | 32.0       |               | ug/L |   | 100  | 55 - 120     |
| Naphthalene                   | 32.0        | 28.8       |               | ug/L |   | 90   | 57 - 120     |
| Nitrobenzene                  | 32.0        | 31.9       |               | ug/L |   | 100  | 53 - 123     |
| N-Nitrosodi-n-propylamine     | 32.0        | 30.6       |               | ug/L |   | 96   | 32 - 140     |
| N-Nitrosodiphenylamine        | 32.0        | 31.6       |               | ug/L |   | 99   | 61 - 120     |
| Pentachlorophenol             | 64.0        | 68.4       |               | ug/L |   | 107  | 29 - 136     |
| Phenanthrene                  | 32.0        | 30.4       |               | ug/L |   | 95   | 68 - 120     |
| Phenol                        | 32.0        | 21.9       |               | ug/L |   | 68   | 17 - 120     |
| Pyrene                        | 32.0        | 33.9       |               | ug/L |   | 106  | 70 - 125     |

| Surrogate            | LCS %Recovery | LCS Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol | 106           |               | 41 - 120 |
| 2-Fluorobiphenyl     | 94            |               | 48 - 120 |
| 2-Fluorophenol       | 82            |               | 35 - 120 |
| Nitrobenzene-d5      | 97            |               | 46 - 120 |
| Phenol-d5            | 64            |               | 22 - 120 |
| p-Terphenyl-d14      | 103           |               | 59 - 136 |



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

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

Lab Sample ID: LCSD 480-474997/3-A

Matrix: Water

Analysis Batch: 476147

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 474997

| Analyte                       | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
|                               |             |             |                |      |   |      |              |     |           |
| 2,4,5-Trichlorophenol         | 32.0        | 31.0        |                | ug/L |   | 97   | 65 - 126     | 9   | 18        |
| 2,4,6-Trichlorophenol         | 32.0        | 31.2        |                | ug/L |   | 98   | 64 - 120     | 2   | 19        |
| 2,4-Dichlorophenol            | 32.0        | 29.9        |                | ug/L |   | 93   | 63 - 120     | 6   | 19        |
| 2,4-Dimethylphenol            | 32.0        | 30.3        |                | ug/L |   | 95   | 47 - 120     | 5   | 42        |
| 2,4-Dinitrophenol             | 64.0        | 63.2        |                | ug/L |   | 99   | 31 - 137     | 7   | 22        |
| 2,4-Dinitrotoluene            | 32.0        | 33.7        |                | ug/L |   | 105  | 69 - 120     | 3   | 20        |
| 2,6-Dinitrotoluene            | 32.0        | 32.5        |                | ug/L |   | 102  | 68 - 120     | 5   | 15        |
| 2-Chloronaphthalene           | 32.0        | 27.9        |                | ug/L |   | 87   | 58 - 120     | 5   | 21        |
| 2-Chlorophenol                | 32.0        | 29.9        |                | ug/L |   | 94   | 48 - 120     | 6   | 25        |
| 2-Methylnaphthalene           | 32.0        | 29.5        |                | ug/L |   | 92   | 59 - 120     | 3   | 21        |
| 2-Methylphenol                | 32.0        | 29.3        |                | ug/L |   | 92   | 39 - 120     | 5   | 27        |
| 2-Nitroaniline                | 32.0        | 31.0        |                | ug/L |   | 97   | 54 - 127     | 5   | 15        |
| 2-Nitrophenol                 | 32.0        | 33.2        |                | ug/L |   | 104  | 52 - 125     | 4   | 18        |
| 3,3'-Dichlorobenzidine        | 64.0        | 69.6        |                | ug/L |   | 109  | 49 - 135     | 4   | 25        |
| 3-Nitroaniline                | 32.0        | 27.3        |                | ug/L |   | 85   | 51 - 120     | 5   | 19        |
| 4,6-Dinitro-2-methylphenol    | 64.0        | 75.4        |                | ug/L |   | 118  | 46 - 136     | 0   | 15        |
| 4-Bromophenyl phenyl ether    | 32.0        | 31.3        |                | ug/L |   | 98   | 65 - 120     | 3   | 15        |
| 4-Chloro-3-methylphenol       | 32.0        | 31.2        |                | ug/L |   | 98   | 61 - 123     | 6   | 27        |
| 4-Chloroaniline               | 32.0        | 26.1        |                | ug/L |   | 82   | 30 - 120     | 4   | 22        |
| 4-Chlorophenyl phenyl ether   | 32.0        | 30.2        |                | ug/L |   | 94   | 62 - 120     | 4   | 16        |
| 4-Methylphenol                | 32.0        | 28.1        |                | ug/L |   | 88   | 29 - 131     | 4   | 24        |
| 4-Nitroaniline                | 32.0        | 31.4        |                | ug/L |   | 98   | 65 - 120     | 4   | 24        |
| 4-Nitrophenol                 | 64.0        | 54.3        |                | ug/L |   | 85   | 45 - 120     | 4   | 48        |
| Acenaphthene                  | 32.0        | 28.9        |                | ug/L |   | 90   | 60 - 120     | 5   | 24        |
| Acenaphthylene                | 32.0        | 31.0        |                | ug/L |   | 97   | 63 - 120     | 6   | 18        |
| Acetophenone                  | 32.0        | 29.9        |                | ug/L |   | 94   | 45 - 120     | 6   | 20        |
| Anthracene                    | 32.0        | 31.0        |                | ug/L |   | 97   | 67 - 120     | 3   | 15        |
| Atrazine                      | 64.0        | 71.6        |                | ug/L |   | 112  | 71 - 130     | 8   | 20        |
| Benzaldehyde                  | 64.0        | 58.5        |                | ug/L |   | 91   | 10 - 140     | 4   | 20        |
| Benzo(a)anthracene            | 32.0        | 31.7        |                | ug/L |   | 99   | 70 - 121     | 6   | 15        |
| Benzo(a)pyrene                | 32.0        | 30.2        |                | ug/L |   | 94   | 60 - 123     | 3   | 15        |
| Benzo(b)fluoranthene          | 32.0        | 33.9        |                | ug/L |   | 106  | 66 - 126     | 4   | 15        |
| Benzo(g,h,i)perylene          | 32.0        | 33.1        |                | ug/L |   | 104  | 66 - 150     | 2   | 15        |
| Benzo(k)fluoranthene          | 32.0        | 32.1        |                | ug/L |   | 100  | 65 - 124     | 4   | 22        |
| Biphenyl                      | 32.0        | 28.2        |                | ug/L |   | 88   | 59 - 120     | 6   | 20        |
| bis (2-chloroisopropyl) ether | 32.0        | 27.9        |                | ug/L |   | 87   | 21 - 136     | 6   | 24        |
| Bis(2-chloroethoxy)methane    | 32.0        | 29.9        |                | ug/L |   | 93   | 50 - 128     | 5   | 17        |
| Bis(2-chloroethyl)ether       | 32.0        | 30.1        |                | ug/L |   | 94   | 44 - 120     | 6   | 21        |
| Bis(2-ethylhexyl) phthalate   | 32.0        | 33.0        |                | ug/L |   | 103  | 63 - 139     | 4   | 15        |
| Butyl benzyl phthalate        | 32.0        | 32.2        |                | ug/L |   | 101  | 70 - 129     | 4   | 16        |
| Caprolactam                   | 64.0        | 23.3        |                | ug/L |   | 36   | 22 - 120     | 6   | 20        |
| Carbazole                     | 32.0        | 33.6        |                | ug/L |   | 105  | 66 - 123     | 1   | 20        |
| Chrysene                      | 32.0        | 31.9        |                | ug/L |   | 100  | 69 - 120     | 5   | 15        |
| Dibenz(a,h)anthracene         | 32.0        | 32.4        |                | ug/L |   | 101  | 65 - 135     | 4   | 15        |
| Dibenzofuran                  | 32.0        | 29.1        |                | ug/L |   | 91   | 66 - 120     | 6   | 15        |
| Diethyl phthalate             | 32.0        | 31.6        |                | ug/L |   | 99   | 59 - 127     | 6   | 15        |
| Dimethyl phthalate            | 32.0        | 31.2        |                | ug/L |   | 98   | 68 - 120     | 6   | 15        |
| Di-n-butyl phthalate          | 32.0        | 33.3        |                | ug/L |   | 104  | 69 - 131     | 1   | 15        |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154079-1

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

Lab Sample ID: LCSD 480-474997/3-A

Matrix: Water

Analysis Batch: 476147

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 474997

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Di-n-octyl phthalate      | 32.0        | 34.0        |                | ug/L |   | 106  | 63 - 140     | 4   | 16        |
| Fluoranthene              | 32.0        | 32.2        |                | ug/L |   | 101  | 69 - 126     | 3   | 15        |
| Fluorene                  | 32.0        | 29.5        |                | ug/L |   | 92   | 66 - 120     | 7   | 15        |
| Hexachlorobenzene         | 32.0        | 30.7        |                | ug/L |   | 96   | 61 - 120     | 4   | 15        |
| Hexachlorobutadiene       | 32.0        | 25.5        |                | ug/L |   | 80   | 35 - 120     | 5   | 44        |
| Hexachlorocyclopentadiene | 32.0        | 23.1        |                | ug/L |   | 72   | 31 - 120     | 2   | 49        |
| Hexachloroethane          | 32.0        | 25.1        |                | ug/L |   | 78   | 43 - 120     | 8   | 46        |
| Indeno(1,2,3-cd)pyrene    | 32.0        | 32.5        |                | ug/L |   | 102  | 69 - 146     | 4   | 15        |
| Isophorone                | 32.0        | 30.5        |                | ug/L |   | 95   | 55 - 120     | 5   | 17        |
| Naphthalene               | 32.0        | 27.4        |                | ug/L |   | 85   | 57 - 120     | 5   | 29        |
| Nitrobenzene              | 32.0        | 30.4        |                | ug/L |   | 95   | 53 - 123     | 5   | 24        |
| N-Nitrosodi-n-propylamine | 32.0        | 29.5        |                | ug/L |   | 92   | 32 - 140     | 4   | 31        |
| N-Nitrosodiphenylamine    | 32.0        | 31.2        |                | ug/L |   | 98   | 61 - 120     | 1   | 15        |
| Pentachlorophenol         | 64.0        | 68.1        |                | ug/L |   | 106  | 29 - 136     | 0   | 37        |
| Phenanthrene              | 32.0        | 29.8        |                | ug/L |   | 93   | 68 - 120     | 2   | 15        |
| Phenol                    | 32.0        | 21.2        |                | ug/L |   | 66   | 17 - 120     | 3   | 34        |
| Pyrene                    | 32.0        | 32.1        |                | ug/L |   | 100  | 70 - 125     | 6   | 19        |

| Surrogate            | LCSD %Recovery | LCSD Qualifier | Limits   |
|----------------------|----------------|----------------|----------|
| 2,4,6-Tribromophenol | 105            |                | 41 - 120 |
| 2-Fluorobiphenyl     | 90             |                | 48 - 120 |
| 2-Fluorophenol       | 79             |                | 35 - 120 |
| Nitrobenzene-d5      | 93             |                | 46 - 120 |
| Phenol-d5            | 63             |                | 22 - 120 |
| p-Terphenyl-d14      | 96             |                | 59 - 136 |

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-474856/1-A

Matrix: Water

Analysis Batch: 475442

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474856

| Analyte          | MB Result    | MB Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND           |              | 0.20     | 0.10 | ug/L |   | 05/28/19 08:18 | 05/30/19 23:26 | 1       |
| Isotope Dilution | MB %Recovery | MB Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 32           |              | 15 - 110 |      |      |   | 05/28/19 08:18 | 05/30/19 23:26 | 1       |

Lab Sample ID: LCS 480-474856/2-A

Matrix: Water

Analysis Batch: 475442

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474856

|                  |           |           | Spike    | LCS    | LCS       | %Rec. |   |      |          |
|------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|
| Analyte          |           |           | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   |
| 1,4-Dioxane      |           |           | 1.00     | 1.18   |           | ug/L  | - | 118  | 40 - 140 |
|                  | LCS       | LCS       |          |        |           |       |   |      |          |
| Isotope Dilution | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |
| 1,4-Dioxane-d8   | 31        |           | 15 - 110 |        |           |       |   |      |          |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

## Method: 310.13 - Identification of Routine Petroleum Products

Lab Sample ID: MB 480-474965/1-A

Matrix: Water

Analysis Batch: 474995

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474965

| Analyte              | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND        |              | 0.20 | 0.20 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:38 | 1       |
| Kerosene             | ND        |              | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:38 | 1       |
| Motor Oil            | ND        |              | 1.0  | 1.0  | mg/L |   | 05/28/19 16:05 | 05/29/19 13:38 | 1       |
| Fuel Oil #2          | ND        |              | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:38 | 1       |
| Fuel Oil #4          | ND        |              | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:38 | 1       |
| Fuel Oil #6          | ND        |              | 0.50 | 0.50 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:38 | 1       |
| Unknown Hydrocarbons | ND        |              | 0.20 | 0.20 | mg/L |   | 05/28/19 16:05 | 05/29/19 13:38 | 1       |

Lab Sample ID: LCS 480-474965/2-A

Matrix: Water

Analysis Batch: 474995

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474965

| Analyte     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------|-------------|------------|---------------|------|---|------|--------------|
| Fuel Oil #2 | 1.50        | 1.40       |               | mg/L |   | 93   | 50 - 150     |

Lab Sample ID: LCSD 480-474965/3-A

Matrix: Water

Analysis Batch: 474995

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 474965

| Analyte     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Fuel Oil #2 | 1.50        | 1.52        |                | mg/L |   | 101  | 50 - 150     | 8   | 50        |

## Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-475151/1-A

Matrix: Water

Analysis Batch: 475238

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475151

| Analyte             | MB Result | MB Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND        |              | 0.050 | 0.0092 | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| 4,4'-DDE            | ND        |              | 0.050 | 0.012  | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| 4,4'-DDT            | ND        |              | 0.050 | 0.011  | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| Aldrin              | ND        |              | 0.050 | 0.0081 | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| alpha-BHC           | ND        |              | 0.050 | 0.0077 | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| cis-Chlordane       | ND        |              | 0.050 | 0.015  | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| beta-BHC            | ND        |              | 0.050 | 0.025  | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| delta-BHC           | ND        |              | 0.050 | 0.010  | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| Dieldrin            | ND        |              | 0.050 | 0.0098 | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| Endosulfan I        | ND        |              | 0.050 | 0.011  | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| Endosulfan II       | ND        |              | 0.050 | 0.012  | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| Endosulfan sulfate  | ND        |              | 0.050 | 0.016  | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| Endrin              | ND        |              | 0.050 | 0.014  | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| Endrin aldehyde     | ND        |              | 0.050 | 0.016  | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| Endrin ketone       | ND        |              | 0.050 | 0.012  | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| gamma-BHC (Lindane) | ND        |              | 0.050 | 0.0080 | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| trans-Chlordane     | ND        |              | 0.050 | 0.011  | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| Heptachlor          | ND        |              | 0.050 | 0.0085 | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| Heptachlor epoxide  | ND        |              | 0.050 | 0.0074 | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| Methoxychlor        | ND        |              | 0.050 | 0.014  | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

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

Lab Sample ID: MB 480-475151/1-A

Matrix: Water

Analysis Batch: 475238

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475151

| Analyte                | MB Result | MB Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|--------------|----------|------|------|---|----------------|----------------|---------|
| Toxaphene              | ND        |              | 0.50     | 0.12 | ug/L |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| Surrogate              | %Recovery | MB Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| DCB Decachlorobiphenyl | 54        |              | 20 - 120 |      |      |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |
| Tetrachloro-m-xylene   | 99        |              | 44 - 120 |      |      |   | 05/29/19 15:19 | 05/30/19 16:25 | 1       |

Lab Sample ID: LCS 480-475151/2-A

Matrix: Water

Analysis Batch: 475238

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475151

| Analyte                | Spike Added | LCS Result    | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------|-------------|---------------|---------------|------|---|------|--------------|
| 4,4'-DDD               | 0.400       | 0.487         |               | ug/L |   | 122  | 64 - 129     |
| 4,4'-DDE               | 0.400       | 0.378         |               | ug/L |   | 94   | 50 - 120     |
| 4,4'-DDT               | 0.400       | 0.446         |               | ug/L |   | 111  | 59 - 120     |
| Aldrin                 | 0.400       | 0.377         |               | ug/L |   | 94   | 40 - 125     |
| alpha-BHC              | 0.400       | 0.372         |               | ug/L |   | 93   | 52 - 125     |
| cis-Chlordane          | 0.400       | 0.397         |               | ug/L |   | 99   | 52 - 120     |
| beta-BHC               | 0.400       | 0.450         |               | ug/L |   | 112  | 51 - 120     |
| delta-BHC              | 0.400       | 0.457         |               | ug/L |   | 114  | 51 - 120     |
| Dieldrin               | 0.400       | 0.476         |               | ug/L |   | 119  | 66 - 128     |
| Endosulfan I           | 0.400       | 0.456         |               | ug/L |   | 114  | 57 - 120     |
| Endosulfan II          | 0.400       | 0.499         |               | ug/L |   | 125  | 66 - 131     |
| Endosulfan sulfate     | 0.400       | 0.522         |               | ug/L |   | 131  | 66 - 136     |
| Endrin                 | 0.400       | 0.493         |               | ug/L |   | 123  | 65 - 135     |
| Endrin aldehyde        | 0.400       | 0.410         |               | ug/L |   | 103  | 61 - 134     |
| Endrin ketone          | 0.400       | 0.515         |               | ug/L |   | 129  | 71 - 133     |
| gamma-BHC (Lindane)    | 0.400       | 0.420         |               | ug/L |   | 105  | 56 - 120     |
| trans-Chlordane        | 0.400       | 0.422         |               | ug/L |   | 106  | 54 - 120     |
| Heptachlor             | 0.400       | 0.412         |               | ug/L |   | 103  | 58 - 120     |
| Heptachlor epoxide     | 0.400       | 0.476         |               | ug/L |   | 119  | 65 - 125     |
| Methoxychlor           | 0.400       | 0.473         |               | ug/L |   | 118  | 50 - 150     |
| Surrogate              | %Recovery   | LCS Qualifier | Limits        |      |   |      |              |
| DCB Decachlorobiphenyl | 55          |               | 20 - 120      |      |   |      |              |
| Tetrachloro-m-xylene   | 88          |               | 44 - 120      |      |   |      |              |

Lab Sample ID: LCSD 480-475151/3-A

Matrix: Water

Analysis Batch: 475238

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 475151

| Analyte       | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|---------------|-------------|-------------|----------------|------|---|------|--------------|-----|-------|
| 4,4'-DDD      | 0.400       | 0.468       |                | ug/L |   | 117  | 64 - 129     | 4   | 23    |
| 4,4'-DDE      | 0.400       | 0.362       |                | ug/L |   | 91   | 50 - 120     | 4   | 22    |
| 4,4'-DDT      | 0.400       | 0.427       |                | ug/L |   | 107  | 59 - 120     | 4   | 24    |
| Aldrin        | 0.400       | 0.360       |                | ug/L |   | 90   | 40 - 125     | 5   | 25    |
| alpha-BHC     | 0.400       | 0.350       |                | ug/L |   | 87   | 52 - 125     | 6   | 24    |
| cis-Chlordane | 0.400       | 0.387       |                | ug/L |   | 97   | 52 - 120     | 2   | 23    |
| beta-BHC      | 0.400       | 0.427       |                | ug/L |   | 107  | 51 - 120     | 5   | 24    |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

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

Lab Sample ID: LCSD 480-475151/3-A

Matrix: Water

Analysis Batch: 475238

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 475151

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| delta-BHC           | 0.400       | 0.432       |                | ug/L |   | 108  | 51 - 120     | 6   | 24        |
| Dieldrin            | 0.400       | 0.463       |                | ug/L |   | 116  | 66 - 128     | 3   | 24        |
| Endosulfan I        | 0.400       | 0.443       |                | ug/L |   | 111  | 57 - 120     | 3   | 30        |
| Endosulfan II       | 0.400       | 0.479       |                | ug/L |   | 120  | 66 - 131     | 4   | 40        |
| Endosulfan sulfate  | 0.400       | 0.495       |                | ug/L |   | 124  | 66 - 136     | 5   | 24        |
| Endrin              | 0.400       | 0.476       |                | ug/L |   | 119  | 65 - 135     | 4   | 24        |
| Endrin aldehyde     | 0.400       | 0.377       |                | ug/L |   | 94   | 61 - 134     | 9   | 28        |
| Endrin ketone       | 0.400       | 0.490       |                | ug/L |   | 123  | 71 - 133     | 5   | 26        |
| gamma-BHC (Lindane) | 0.400       | 0.400       |                | ug/L |   | 100  | 56 - 120     | 5   | 24        |
| trans-Chlordane     | 0.400       | 0.405       |                | ug/L |   | 101  | 54 - 120     | 4   | 24        |
| Heptachlor          | 0.400       | 0.389       |                | ug/L |   | 97   | 58 - 120     | 6   | 25        |
| Heptachlor epoxide  | 0.400       | 0.457       |                | ug/L |   | 114  | 65 - 125     | 4   | 23        |
| Methoxychlor        | 0.400       | 0.452       |                | ug/L |   | 113  | 50 - 150     | 4   | 26        |

| Surrogate              | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------|----------------|----------------|----------|
| DCB Decachlorobiphenyl | 52             |                | 20 - 120 |
| Tetrachloro-m-xylene   | 84             |                | 44 - 120 |

Lab Sample ID: MB 480-475434/1-A

Matrix: Water

Analysis Batch: 475791

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475434

| Analyte             | MB Result | MB Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND        |              | 0.050 | 0.0092 | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| 4,4'-DDE            | ND        |              | 0.050 | 0.012  | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| 4,4'-DDT            | ND        |              | 0.050 | 0.011  | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| Aldrin              | ND        |              | 0.050 | 0.0081 | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| alpha-BHC           | ND        |              | 0.050 | 0.0077 | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| cis-Chlordane       | ND        |              | 0.050 | 0.015  | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| beta-BHC            | ND        |              | 0.050 | 0.025  | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| delta-BHC           | ND        |              | 0.050 | 0.010  | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| Dieldrin            | ND        |              | 0.050 | 0.0098 | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| Endosulfan I        | ND        |              | 0.050 | 0.011  | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| Endosulfan II       | ND        |              | 0.050 | 0.012  | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| Endosulfan sulfate  | ND        |              | 0.050 | 0.016  | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| Endrin              | ND        |              | 0.050 | 0.014  | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| Endrin aldehyde     | ND        |              | 0.050 | 0.016  | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| Endrin ketone       | ND        |              | 0.050 | 0.012  | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| gamma-BHC (Lindane) | ND        |              | 0.050 | 0.0080 | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| trans-Chlordane     | ND        |              | 0.050 | 0.011  | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| Heptachlor          | ND        |              | 0.050 | 0.0085 | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| Heptachlor epoxide  | ND        |              | 0.050 | 0.0074 | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| Methoxychlor        | ND        |              | 0.050 | 0.014  | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| Toxaphene           | ND        |              | 0.50  | 0.12   | ug/L |   | 05/30/19 16:56 | 06/03/19 09:51 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 38           |              | 20 - 120 | 05/30/19 16:56 | 06/03/19 09:51 | 1       |
| Tetrachloro-m-xylene   | 71           |              | 44 - 120 | 05/30/19 16:56 | 06/03/19 09:51 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

## Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: LCS 480-475434/2-A

Matrix: Water

Analysis Batch: 475791

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475434

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|------|---|------|--------------|
| 4,4'-DDD            | 0.400       | 0.377      |               | ug/L |   | 94   | 64 - 129     |
| 4,4'-DDE            | 0.400       | 0.301      |               | ug/L |   | 75   | 50 - 120     |
| 4,4'-DDT            | 0.400       | 0.382      |               | ug/L |   | 95   | 59 - 120     |
| Aldrin              | 0.400       | 0.262      |               | ug/L |   | 65   | 40 - 125     |
| alpha-BHC           | 0.400       | 0.296      |               | ug/L |   | 74   | 52 - 125     |
| cis-Chlordane       | 0.400       | 0.304      |               | ug/L |   | 76   | 52 - 120     |
| beta-BHC            | 0.400       | 0.333      |               | ug/L |   | 83   | 51 - 120     |
| delta-BHC           | 0.400       | 0.344      |               | ug/L |   | 86   | 51 - 120     |
| Dieldrin            | 0.400       | 0.386      |               | ug/L |   | 96   | 66 - 128     |
| Endosulfan I        | 0.400       | 0.362      |               | ug/L |   | 90   | 57 - 120     |
| Endosulfan II       | 0.400       | 0.397      |               | ug/L |   | 99   | 66 - 131     |
| Endosulfan sulfate  | 0.400       | 0.377      |               | ug/L |   | 94   | 66 - 136     |
| Endrin              | 0.400       | 0.402      |               | ug/L |   | 101  | 65 - 135     |
| Endrin aldehyde     | 0.400       | 0.300      |               | ug/L |   | 75   | 61 - 134     |
| Endrin ketone       | 0.400       | 0.390      |               | ug/L |   | 98   | 71 - 133     |
| gamma-BHC (Lindane) | 0.400       | 0.305      |               | ug/L |   | 76   | 56 - 120     |
| trans-Chlordane     | 0.400       | 0.323      |               | ug/L |   | 81   | 54 - 120     |
| Heptachlor          | 0.400       | 0.339      |               | ug/L |   | 85   | 58 - 120     |
| Heptachlor epoxide  | 0.400       | 0.361      |               | ug/L |   | 90   | 65 - 125     |
| Methoxychlor        | 0.400       | 0.406      |               | ug/L |   | 101  | 50 - 150     |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| DCB Decachlorobiphenyl | 34            |               | 20 - 120 |
| Tetrachloro-m-xylene   | 70            |               | 44 - 120 |

Lab Sample ID: LCSD 480-475434/3-A

Matrix: Water

Analysis Batch: 475791

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 475434

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-------|
| 4,4'-DDD            | 0.400       | 0.384       |                | ug/L |   | 96   | 64 - 129     | 2   | 23    |
| 4,4'-DDE            | 0.400       | 0.309       |                | ug/L |   | 77   | 50 - 120     | 2   | 22    |
| 4,4'-DDT            | 0.400       | 0.387       |                | ug/L |   | 97   | 59 - 120     | 1   | 24    |
| Aldrin              | 0.400       | 0.262       |                | ug/L |   | 66   | 40 - 125     | 0   | 25    |
| alpha-BHC           | 0.400       | 0.311       |                | ug/L |   | 78   | 52 - 125     | 5   | 24    |
| cis-Chlordane       | 0.400       | 0.320       |                | ug/L |   | 80   | 52 - 120     | 5   | 23    |
| beta-BHC            | 0.400       | 0.337       |                | ug/L |   | 84   | 51 - 120     | 1   | 24    |
| delta-BHC           | 0.400       | 0.385       |                | ug/L |   | 96   | 51 - 120     | 11  | 24    |
| Dieldrin            | 0.400       | 0.384       |                | ug/L |   | 96   | 66 - 128     | 0   | 24    |
| Endosulfan I        | 0.400       | 0.363       |                | ug/L |   | 91   | 57 - 120     | 0   | 30    |
| Endosulfan II       | 0.400       | 0.407       |                | ug/L |   | 102  | 66 - 131     | 2   | 40    |
| Endosulfan sulfate  | 0.400       | 0.383       |                | ug/L |   | 96   | 66 - 136     | 2   | 24    |
| Endrin              | 0.400       | 0.401       |                | ug/L |   | 100  | 65 - 135     | 0   | 24    |
| Endrin aldehyde     | 0.400       | 0.296       |                | ug/L |   | 74   | 61 - 134     | 1   | 28    |
| Endrin ketone       | 0.400       | 0.387       |                | ug/L |   | 97   | 71 - 133     | 1   | 26    |
| gamma-BHC (Lindane) | 0.400       | 0.313       |                | ug/L |   | 78   | 56 - 120     | 3   | 24    |
| trans-Chlordane     | 0.400       | 0.329       |                | ug/L |   | 82   | 54 - 120     | 2   | 24    |
| Heptachlor          | 0.400       | 0.334       |                | ug/L |   | 84   | 58 - 120     | 1   | 25    |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

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

Lab Sample ID: LCSD 480-475434/3-A

Matrix: Water

Analysis Batch: 475791

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 475434

| Analyte            | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Heptachlor epoxide | 0.400       | 0.365       |                | ug/L |   | 91   | 65 - 125     | 1   | 23        |
| Methoxychlor       | 0.400       | 0.413       |                | ug/L |   | 103  | 50 - 150     | 2   | 26        |

| Surrogate              | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------|----------------|----------------|----------|
| DCB Decachlorobiphenyl | 30             |                | 20 - 120 |
| Tetrachloro-m-xylene   | 69             |                | 44 - 120 |

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

Lab Sample ID: MB 480-475155/1-A

Matrix: Water

Analysis Batch: 475349

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475155

| Analyte  | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| PCB-1016 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1221 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1232 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1242 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1248 | ND        |              | 0.50 | 0.18 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1254 | ND        |              | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1260 | ND        |              | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1262 | ND        |              | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| PCB-1268 | ND        |              | 0.50 | 0.25 | ug/L |   | 05/29/19 15:43 | 05/30/19 14:33 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 75           |              | 39 - 121 | 05/29/19 15:43 | 05/30/19 14:33 | 1       |
| DCB Decachlorobiphenyl | 58           |              | 19 - 120 | 05/29/19 15:43 | 05/30/19 14:33 | 1       |

Lab Sample ID: LCS 480-475155/2-A

Matrix: Water

Analysis Batch: 475349

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475155

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| PCB-1016 | 4.00        | 3.16       |               | ug/L |   | 79   | 62 - 130     |
| PCB-1260 | 4.00        | 2.73       |               | ug/L |   | 68   | 56 - 123     |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| Tetrachloro-m-xylene   | 62            |               | 39 - 121 |
| DCB Decachlorobiphenyl | 40            |               | 19 - 120 |

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-474791/1-A

Matrix: Water

Analysis Batch: 475712

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474791

| Analyte  | MB Result | MB Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|-------|------|---|----------------|----------------|---------|
| Aluminum | ND        |              | 0.20 | 0.060 | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-474791/1-A

Matrix: Water

Analysis Batch: 475712

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 474791

| Analyte   | MB Result | MB Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Antimony  | ND        |              | 0.020  | 0.0068  | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Arsenic   | ND        |              | 0.015  | 0.0056  | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Barium    | ND        |              | 0.0020 | 0.00070 | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Beryllium | ND        |              | 0.0020 | 0.00030 | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Cadmium   | ND        |              | 0.0020 | 0.00050 | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Calcium   | ND        |              | 0.50   | 0.10    | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Chromium  | ND        |              | 0.0040 | 0.0010  | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Cobalt    | ND        |              | 0.0040 | 0.00063 | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Copper    | ND        |              | 0.010  | 0.0016  | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Iron      | ND        |              | 0.050  | 0.019   | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Lead      | ND        |              | 0.010  | 0.0030  | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Magnesium | ND        |              | 0.20   | 0.043   | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Manganese | ND        |              | 0.0030 | 0.00040 | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Nickel    | ND        |              | 0.010  | 0.0013  | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Potassium | 0.116     | J            | 0.50   | 0.10    | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Selenium  | ND        |              | 0.025  | 0.0087  | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Silver    | ND        |              | 0.0060 | 0.0017  | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Sodium    | 0.356     | J            | 1.0    | 0.32    | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Thallium  | ND        |              | 0.020  | 0.010   | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Vanadium  | ND        |              | 0.0050 | 0.0015  | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |
| Zinc      | ND        |              | 0.010  | 0.0015  | mg/L |   | 05/29/19 07:33 | 05/31/19 16:40 | 1       |

Lab Sample ID: LCS 480-474791/2-A

Matrix: Water

Analysis Batch: 475712

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 474791

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|-------------|------------|---------------|------|---|------|--------------|
| Aluminum  | 10.0        | 9.82       |               | mg/L |   | 98   | 80 - 120     |
| Antimony  | 0.200       | 0.226      |               | mg/L |   | 113  | 80 - 120     |
| Arsenic   | 0.200       | 0.213      |               | mg/L |   | 107  | 80 - 120     |
| Barium    | 0.200       | 0.207      |               | mg/L |   | 103  | 80 - 120     |
| Beryllium | 0.200       | 0.215      |               | mg/L |   | 107  | 80 - 120     |
| Cadmium   | 0.200       | 0.209      |               | mg/L |   | 104  | 80 - 120     |
| Calcium   | 10.0        | 10.06      |               | mg/L |   | 101  | 80 - 120     |
| Chromium  | 0.200       | 0.211      |               | mg/L |   | 106  | 80 - 120     |
| Cobalt    | 0.200       | 0.199      |               | mg/L |   | 99   | 80 - 120     |
| Copper    | 0.200       | 0.204      |               | mg/L |   | 102  | 80 - 120     |
| Iron      | 10.0        | 9.66       |               | mg/L |   | 97   | 80 - 120     |
| Lead      | 0.200       | 0.201      |               | mg/L |   | 101  | 80 - 120     |
| Magnesium | 10.0        | 10.16      |               | mg/L |   | 102  | 80 - 120     |
| Manganese | 0.200       | 0.206      |               | mg/L |   | 103  | 80 - 120     |
| Nickel    | 0.200       | 0.207      |               | mg/L |   | 104  | 80 - 120     |
| Potassium | 10.0        | 10.23      |               | mg/L |   | 102  | 80 - 120     |
| Selenium  | 0.200       | 0.205      |               | mg/L |   | 102  | 80 - 120     |
| Silver    | 0.0500      | 0.0506     |               | mg/L |   | 101  | 80 - 120     |
| Sodium    | 10.0        | 10.10      |               | mg/L |   | 101  | 80 - 120     |
| Thallium  | 0.200       | 0.208      |               | mg/L |   | 104  | 80 - 120     |
| Vanadium  | 0.200       | 0.208      |               | mg/L |   | 104  | 80 - 120     |
| Zinc      | 0.200       | 0.206      |               | mg/L |   | 103  | 80 - 120     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-475184/1-A  
Matrix: Water  
Analysis Batch: 475424

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 475184

| Analyte | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------------|-----------------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND           |                 | 0.00020 | 0.00012 | mg/L |   | 05/30/19 11:15 | 05/30/19 13:57 | 1       |

Lab Sample ID: LCS 480-475184/2-A  
Matrix: Water  
Analysis Batch: 475424

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 475184

| Analyte | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------|----------------|---------------|------------------|------|---|------|-----------------|
| Mercury | 0.00667        | 0.00697       |                  | mg/L |   | 104  | 80 - 120        |



# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

## GC/MS VOA

### Analysis Batch: 598632

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 480-154079-1      | MW-6-10                | Total/NA  | Water  | 8260C  |            |
| 480-154079-1      | MW-6-10                | Total/NA  | Water  | 8260C  |            |
| 480-154079-2      | MW-6-10 DUPLICATE      | Total/NA  | Water  | 8260C  |            |
| 480-154079-2      | MW-6-10 DUPLICATE      | Total/NA  | Water  | 8260C  |            |
| MB 490-598632/6   | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 490-598632/3  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 490-598632/4 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |

## GC/MS Semi VOA

### Prep Batch: 474856

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154079-1       | MW-6-10            | Total/NA  | Water  | 3510C  |            |
| 480-154079-2       | MW-6-10 DUPLICATE  | Total/NA  | Water  | 3510C  |            |
| MB 480-474856/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-474856/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 474997

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-154079-1        | MW-6-10                | Total/NA  | Water  | 3510C  |            |
| 480-154079-2        | MW-6-10 DUPLICATE      | Total/NA  | Water  | 3510C  |            |
| 480-154079-3        | MW-1-10                | Total/NA  | Water  | 3510C  |            |
| 480-154079-4        | MW-2-10                | Total/NA  | Water  | 3510C  |            |
| 480-154079-5        | MW-3-10                | Total/NA  | Water  | 3510C  |            |
| MB 480-474997/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 480-474997/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 480-474997/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 475442

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method       | Prep Batch |
|--------------------|--------------------|-----------|--------|--------------|------------|
| 480-154079-1       | MW-6-10            | Total/NA  | Water  | 8270D SIM ID | 474856     |
| 480-154079-2       | MW-6-10 DUPLICATE  | Total/NA  | Water  | 8270D SIM ID | 474856     |
| MB 480-474856/1-A  | Method Blank       | Total/NA  | Water  | 8270D SIM ID | 474856     |
| LCS 480-474856/2-A | Lab Control Sample | Total/NA  | Water  | 8270D SIM ID | 474856     |

### Analysis Batch: 476147

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-154079-1        | MW-6-10                | Total/NA  | Water  | 8270D  | 474997     |
| 480-154079-2        | MW-6-10 DUPLICATE      | Total/NA  | Water  | 8270D  | 474997     |
| 480-154079-3        | MW-1-10                | Total/NA  | Water  | 8270D  | 474997     |
| 480-154079-4        | MW-2-10                | Total/NA  | Water  | 8270D  | 474997     |
| 480-154079-5        | MW-3-10                | Total/NA  | Water  | 8270D  | 474997     |
| MB 480-474997/1-A   | Method Blank           | Total/NA  | Water  | 8270D  | 474997     |
| LCS 480-474997/2-A  | Lab Control Sample     | Total/NA  | Water  | 8270D  | 474997     |
| LCSD 480-474997/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8270D  | 474997     |

## GC Semi VOA

### Prep Batch: 474965

| Lab Sample ID | Client Sample ID  | Prep Type | Matrix | Method | Prep Batch |
|---------------|-------------------|-----------|--------|--------|------------|
| 480-154079-1  | MW-6-10           | Total/NA  | Water  | 3510C  |            |
| 480-154079-2  | MW-6-10 DUPLICATE | Total/NA  | Water  | 3510C  |            |

Eurofins TestAmerica, Buffalo

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

## GC Semi VOA (Continued)

### Prep Batch: 474965 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| MB 480-474965/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 480-474965/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 480-474965/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 474995

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-154079-1        | MW-6-10                | Total/NA  | Water  | 310.13 | 474965     |
| 480-154079-2        | MW-6-10 DUPLICATE      | Total/NA  | Water  | 310.13 | 474965     |
| MB 480-474965/1-A   | Method Blank           | Total/NA  | Water  | 310.13 | 474965     |
| LCS 480-474965/2-A  | Lab Control Sample     | Total/NA  | Water  | 310.13 | 474965     |
| LCSD 480-474965/3-A | Lab Control Sample Dup | Total/NA  | Water  | 310.13 | 474965     |

### Prep Batch: 475151

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-154079-1        | MW-6-10                | Total/NA  | Water  | 3510C  |            |
| 480-154079-2        | MW-6-10 DUPLICATE      | Total/NA  | Water  | 3510C  |            |
| MB 480-475151/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 480-475151/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 480-475151/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 475155

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154079-1       | MW-6-10            | Total/NA  | Water  | 3510C  |            |
| 480-154079-2       | MW-6-10 DUPLICATE  | Total/NA  | Water  | 3510C  |            |
| 480-154079-3       | MW-1-10            | Total/NA  | Water  | 3510C  |            |
| 480-154079-5       | MW-3-10            | Total/NA  | Water  | 3510C  |            |
| MB 480-475155/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-475155/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 475238

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-154079-1        | MW-6-10                | Total/NA  | Water  | 8081B  | 475151     |
| 480-154079-2        | MW-6-10 DUPLICATE      | Total/NA  | Water  | 8081B  | 475151     |
| MB 480-475151/1-A   | Method Blank           | Total/NA  | Water  | 8081B  | 475151     |
| LCS 480-475151/2-A  | Lab Control Sample     | Total/NA  | Water  | 8081B  | 475151     |
| LCSD 480-475151/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8081B  | 475151     |

### Analysis Batch: 475349

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154079-1       | MW-6-10            | Total/NA  | Water  | 8082A  | 475155     |
| 480-154079-2       | MW-6-10 DUPLICATE  | Total/NA  | Water  | 8082A  | 475155     |
| 480-154079-3       | MW-1-10            | Total/NA  | Water  | 8082A  | 475155     |
| 480-154079-5       | MW-3-10            | Total/NA  | Water  | 8082A  | 475155     |
| MB 480-475155/1-A  | Method Blank       | Total/NA  | Water  | 8082A  | 475155     |
| LCS 480-475155/2-A | Lab Control Sample | Total/NA  | Water  | 8082A  | 475155     |

### Prep Batch: 475434

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| 480-154079-3      | MW-1-10          | Total/NA  | Water  | 3510C  |            |
| 480-154079-5      | MW-3-10          | Total/NA  | Water  | 3510C  |            |
| MB 480-475434/1-A | Method Blank     | Total/NA  | Water  | 3510C  |            |

Eurofins TestAmerica, Buffalo

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

## GC Semi VOA (Continued)

### Prep Batch: 475434 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| LCS 480-475434/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 480-475434/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 475791

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-154079-3        | MW-1-10                | Total/NA  | Water  | 8081B  | 475434     |
| 480-154079-5        | MW-3-10                | Total/NA  | Water  | 8081B  | 475434     |
| MB 480-475434/1-A   | Method Blank           | Total/NA  | Water  | 8081B  | 475434     |
| LCS 480-475434/2-A  | Lab Control Sample     | Total/NA  | Water  | 8081B  | 475434     |
| LCSD 480-475434/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8081B  | 475434     |

## Metals

### Prep Batch: 474791

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154079-1       | MW-6-10            | Total/NA  | Water  | 3005A  |            |
| 480-154079-2       | MW-6-10 DUPLICATE  | Total/NA  | Water  | 3005A  |            |
| 480-154079-3       | MW-1-10            | Total/NA  | Water  | 3005A  |            |
| 480-154079-4       | MW-2-10            | Total/NA  | Water  | 3005A  |            |
| 480-154079-5       | MW-3-10            | Total/NA  | Water  | 3005A  |            |
| MB 480-474791/1-A  | Method Blank       | Total/NA  | Water  | 3005A  |            |
| LCS 480-474791/2-A | Lab Control Sample | Total/NA  | Water  | 3005A  |            |

### Prep Batch: 475184

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154079-1       | MW-6-10            | Total/NA  | Water  | 7470A  |            |
| 480-154079-2       | MW-6-10 DUPLICATE  | Total/NA  | Water  | 7470A  |            |
| 480-154079-3       | MW-1-10            | Total/NA  | Water  | 7470A  |            |
| 480-154079-4       | MW-2-10            | Total/NA  | Water  | 7470A  |            |
| 480-154079-5       | MW-3-10            | Total/NA  | Water  | 7470A  |            |
| MB 480-475184/1-A  | Method Blank       | Total/NA  | Water  | 7470A  |            |
| LCS 480-475184/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  |            |

### Analysis Batch: 475424

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154079-1       | MW-6-10            | Total/NA  | Water  | 7470A  | 475184     |
| 480-154079-2       | MW-6-10 DUPLICATE  | Total/NA  | Water  | 7470A  | 475184     |
| 480-154079-3       | MW-1-10            | Total/NA  | Water  | 7470A  | 475184     |
| 480-154079-4       | MW-2-10            | Total/NA  | Water  | 7470A  | 475184     |
| 480-154079-5       | MW-3-10            | Total/NA  | Water  | 7470A  | 475184     |
| MB 480-475184/1-A  | Method Blank       | Total/NA  | Water  | 7470A  | 475184     |
| LCS 480-475184/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  | 475184     |

### Analysis Batch: 475712

| Lab Sample ID     | Client Sample ID  | Prep Type | Matrix | Method | Prep Batch |
|-------------------|-------------------|-----------|--------|--------|------------|
| 480-154079-1      | MW-6-10           | Total/NA  | Water  | 6010C  | 474791     |
| 480-154079-2      | MW-6-10 DUPLICATE | Total/NA  | Water  | 6010C  | 474791     |
| 480-154079-3      | MW-1-10           | Total/NA  | Water  | 6010C  | 474791     |
| 480-154079-4      | MW-2-10           | Total/NA  | Water  | 6010C  | 474791     |
| 480-154079-5      | MW-3-10           | Total/NA  | Water  | 6010C  | 474791     |
| MB 480-474791/1-A | Method Blank      | Total/NA  | Water  | 6010C  | 474791     |

Eurofins TestAmerica, Buffalo

## QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154079-1

### Metals (Continued)

#### Analysis Batch: 475712 (Continued)

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| LCS 480-474791/2-A | Lab Control Sample | Total/NA  | Water  | 6010C  | 474791     |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

**Client Sample ID: MW-6-10**

**Lab Sample ID: 480-154079-1**

**Date Collected: 05/23/19 12:00**

**Matrix: Water**

**Date Received: 05/23/19 15:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 598632       | 05/30/19 17:01       | P1B     | TAL NSH |
| Total/NA  | Analysis   | 8260C        |     | 10              | 598632       | 05/30/19 17:28       | P1B     | TAL NSH |
| Total/NA  | Prep       | 3510C        |     |                 | 474997       | 05/29/19 06:59       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 476147       | 06/05/19 12:38       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474856       | 05/28/19 08:18       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 10              | 475442       | 05/31/19 03:00       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474965       | 05/28/19 16:05       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 474995       | 05/29/19 12:26       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475151       | 05/29/19 15:19       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 475238       | 05/30/19 19:23       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475155       | 05/29/19 15:43       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 475349       | 05/30/19 17:39       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 474791       | 05/29/19 07:33       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 475712       | 05/31/19 17:58       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 475184       | 05/30/19 11:15       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 475424       | 05/30/19 14:19       | BMB     | TAL BUF |

**Client Sample ID: MW-6-10 DUPLICATE**

**Lab Sample ID: 480-154079-2**

**Date Collected: 05/23/19 12:00**

**Matrix: Water**

**Date Received: 05/23/19 15:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 598632       | 05/30/19 17:55       | P1B     | TAL NSH |
| Total/NA  | Analysis   | 8260C        |     | 10              | 598632       | 05/30/19 18:21       | P1B     | TAL NSH |
| Total/NA  | Prep       | 3510C        |     |                 | 474997       | 05/29/19 06:59       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 476147       | 06/05/19 13:07       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474856       | 05/28/19 08:18       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 5               | 475442       | 05/31/19 03:24       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 474965       | 05/28/19 16:05       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 474995       | 05/29/19 13:02       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475151       | 05/29/19 15:19       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 475238       | 05/30/19 19:43       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475155       | 05/29/19 15:43       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 475349       | 05/30/19 17:52       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 474791       | 05/29/19 07:33       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 475712       | 05/31/19 18:01       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 475184       | 05/30/19 11:15       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 475424       | 05/30/19 14:20       | BMB     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

**Client Sample ID: MW-1-10**

**Lab Sample ID: 480-154079-3**

**Date Collected: 05/23/19 12:48**

**Matrix: Water**

**Date Received: 05/23/19 15:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 474997       | 05/29/19 06:59       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 20              | 476147       | 06/05/19 13:35       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475434       | 05/30/19 16:56       | AAP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 20              | 475791       | 06/03/19 10:49       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475155       | 05/29/19 15:43       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 475349       | 05/30/19 18:04       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 474791       | 05/29/19 07:33       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 475712       | 05/31/19 18:05       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 475184       | 05/30/19 11:15       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 475424       | 05/30/19 14:21       | BMB     | TAL BUF |

**Client Sample ID: MW-2-10**

**Lab Sample ID: 480-154079-4**

**Date Collected: 05/23/19 12:42**

**Matrix: Water**

**Date Received: 05/23/19 15:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 474997       | 05/29/19 06:59       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 476147       | 06/05/19 14:04       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 474791       | 05/29/19 07:33       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 475712       | 05/31/19 18:09       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 475184       | 05/30/19 11:15       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 475424       | 05/30/19 14:22       | BMB     | TAL BUF |

**Client Sample ID: MW-3-10**

**Lab Sample ID: 480-154079-5**

**Date Collected: 05/23/19 12:35**

**Matrix: Water**

**Date Received: 05/23/19 15:20**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 474997       | 05/29/19 06:59       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 476147       | 06/05/19 14:33       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475434       | 05/30/19 16:56       | AAP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 475791       | 06/03/19 11:09       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475155       | 05/29/19 15:43       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 475349       | 05/30/19 18:16       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 474791       | 05/29/19 07:33       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 475712       | 05/31/19 18:12       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 475184       | 05/30/19 11:15       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 475424       | 05/30/19 14:24       | BMB     | TAL BUF |

## Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Eurofins TestAmerica, Buffalo

# Accreditation/Certification Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

## Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | EPA Region | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|-----------------------|-----------------|
| New York                                                                                                                                                                                              | NELAP       | 2          | 10026                 | 03-31-20        |
| 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               |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Fuel Oil #2           |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Fuel Oil #4           |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Fuel Oil #6           |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Gasoline              |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Kerosene              |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Motor Oil             |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Unknown Hydrocarbons  |                 |

## Laboratory: Eurofins TestAmerica, Nashville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority              | Program       | EPA Region | Identification Number | Expiration Date |
|------------------------|---------------|------------|-----------------------|-----------------|
| A2LA                   | ISO/IEC 17025 |            | 0453.07               | 12-31-19        |
| Alaska (UST)           | State Program | 10         | UST-087               | 06-30-19        |
| Arizona                | State Program | 9          | AZ0473                | 05-05-20        |
| Arkansas DEQ           | State Program | 6          | 88-0737               | 04-25-20        |
| California             | State Program | 9          | 2938                  | 06-30-19        |
| Connecticut            | State Program | 1          | PH-0220               | 12-31-19        |
| Florida                | NELAP         | 4          | E87358                | 06-30-19        |
| Georgia                | State Program | 4          | NA: NELAP & A2LA      | 12-31-19        |
| Illinois               | NELAP         | 5          | 200010                | 12-09-19        |
| Iowa                   | State Program | 7          | 131                   | 04-01-20        |
| Kansas                 | NELAP         | 7          | E-10229               | 10-31-19        |
| Kentucky (UST)         | State Program | 4          | 19                    | 06-30-19        |
| Kentucky (WW)          | State Program | 4          | 90038                 | 12-31-19        |
| Louisiana              | NELAP         | 6          | 30613                 | 06-30-19        |
| Maine                  | State Program | 1          | TN00032               | 11-03-19        |
| Maryland               | State Program | 3          | 316                   | 03-31-20        |
| Massachusetts          | State Program | 1          | M-TN032               | 06-30-19        |
| Minnesota              | NELAP         | 5          | 047-999-345           | 12-31-19        |
| Mississippi            | State Program | 4          | N/A                   | 06-30-19        |
| Nevada                 | State Program | 9          | TN00032               | 07-31-19        |
| New Hampshire          | NELAP         | 1          | 2963                  | 10-09-19        |
| New Jersey             | NELAP         | 2          | TN965                 | 06-30-19        |
| New York               | NELAP         | 2          | 11342                 | 03-31-20        |
| North Carolina (WW/SW) | State Program | 4          | 387                   | 12-31-19        |
| North Dakota           | State Program | 8          | R-146                 | 06-30-19        |
| Oklahoma               | State Program | 6          | 9412                  | 08-31-19        |
| Oregon                 | NELAP         | 10         | TN200001              | 04-26-19 *      |
| Pennsylvania           | NELAP         | 3          | 68-00585              | 07-31-19        |
| Rhode Island           | State Program | 1          | LAO00268              | 12-30-19        |
| South Carolina         | State Program | 4          | 84009 (001)           | 02-28-19 *      |
| Tennessee              | State Program | 4          | 2008                  | 02-23-20        |
| Texas                  | NELAP         | 6          | T104704077            | 08-31-19        |
| USDA                   | Federal       |            | P330-13-00306         | 04-10-20        |
| Utah                   | NELAP         | 8          | TN00032               | 07-31-19        |

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Buffalo

## Accreditation/Certification Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154079-1

### Laboratory: Eurofins TestAmerica, Nashville (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority         | Program       | EPA Region | Identification Number | Expiration Date |
|-------------------|---------------|------------|-----------------------|-----------------|
| Virginia          | NELAP         | 3          | 460152                | 06-14-19        |
| Washington        | State Program | 10         | C789                  | 07-19-19        |
| West Virginia DEP | State Program | 3          | 219                   | 02-28-20        |
| Wisconsin         | State Program | 5          | 998020430             | 08-31-19        |
| Wyoming (UST)     | A2LA          | 8          | 453.07                | 12-31-19        |



## Method Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

| Method       | Method Description                                            | Protocol | Laboratory |
|--------------|---------------------------------------------------------------|----------|------------|
| 8260C        | Volatile Organic Compounds by GC/MS                           | SW846    | TAL NSH    |
| 8270D        | Semivolatile Organic Compounds (GC/MS)                        | SW846    | TAL BUF    |
| 8270D SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | TAL BUF    |
| 310.13       | Identification of Routine Petroleum Products                  | NYASP    | TAL BUF    |
| 8081B        | Organochlorine Pesticides (GC)                                | SW846    | TAL BUF    |
| 8082A        | Polychlorinated Biphenyls (PCBs) by Gas Chromatography        | SW846    | TAL BUF    |
| 6010C        | Metals (ICP)                                                  | SW846    | TAL BUF    |
| 7470A        | Mercury (CVAA)                                                | SW846    | TAL BUF    |
| 3005A        | Preparation, Total Metals                                     | SW846    | TAL BUF    |
| 3510C        | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | TAL BUF    |
| 5030C        | Purge and Trap                                                | SW846    | TAL NSH    |
| 7470A        | Preparation, Mercury                                          | SW846    | TAL BUF    |

### Protocol References:

NYASP = New York Analytical Services Protocol

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

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

## Sample Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

| Lab Sample ID | Client Sample ID  | Matrix | Collected      | Received       | Asset ID |
|---------------|-------------------|--------|----------------|----------------|----------|
| 480-154079-1  | MW-6-10           | Water  | 05/23/19 12:00 | 05/23/19 15:20 |          |
| 480-154079-2  | MW-6-10 DUPLICATE | Water  | 05/23/19 12:00 | 05/23/19 15:20 |          |
| 480-154079-3  | MW-1-10           | Water  | 05/23/19 12:48 | 05/23/19 15:20 |          |
| 480-154079-4  | MW-2-10           | Water  | 05/23/19 12:42 | 05/23/19 15:20 |          |
| 480-154079-5  | MW-3-10           | Water  | 05/23/19 12:35 | 05/23/19 15:20 |          |

## TestAmerica

TAL-8210 (0713)

☐ Other

| Age Group | Number of People |
|-----------|------------------|
| 1         | 1                |
| 2         | 2                |
| 3         | 3                |
| 4         | 4                |
| 5         | 5                |
| 6         | 6                |
| 7         | 7                |
| 8         | 8                |
| 9         | 9                |
| 10        | 10               |
| 11        | 11               |
| 12        | 12               |
| 13        | 13               |
| 14        | 14               |
| 15        | 15               |
| 16        | 16               |
| 17        | 17               |

## COOLER RECEIPT FORM



480-154079 Chain of Custody

Cooler Received/Opened On 05-30-2019 @ 09:45

Time Samples Removed From Cooler \_\_\_\_\_ Time Samples Placed In Storage \_\_\_\_\_ (2 Hour Window)

1. Tracking # 6520 (last 4 digits, FedEx) Courier: FedEx  
IR Gun ID 14740456 pH Strip Lot N/A Chlorine Strip Lot N/A

2. Temperature of rep. sample or temp blank when opened: 0.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA YES

If yes, how many and where: 1 (front)

5. Were the seals intact, signed, and dated correctly? YES...NO...NA YES

6. Were custody papers inside cooler? YES...NO...NA YES

I certify that I opened the cooler and answered questions 1-6 (initial) KA

7. Were custody seals on containers: YES NO and Intact YES...NO...NA NA

Were these signed and dated correctly? YES...NO...NA NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA YES

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA YES

12. Did all container labels and tags agree with custody papers? YES...NO...NA YES

13a. Were VOA vials received? YES...NO...NA YES

b. Was there any observable headspace present in any VOA vial? YES...NO...NA YES



Larger than this.

14. Was there a Trip Blank in this cooler? YES...NO...NA NO If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) ADH

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA YES

16. Was residual chlorine present? YES...NO...NA YES

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) ADH

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA YES

18. Did you sign the custody papers in the appropriate place? YES...NO...NA YES

19. Were correct containers used for the analysis requested? YES...NO...NA YES

20. Was sufficient amount of sample sent in each container? YES...NO...NA YES

I certify that I entered this project into LIMS and answered questions 17-20 (initial) ADH

I certify that I attached a label with the unique LIMS number to each container (initial) ADH

21. Were there Non-Conformance issues at login? YES...NO NO Was a NCM generated? YES...NO...# NO

[illegible]



## Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-154079-1

**Login Number: 154079**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Harper, Marcus D**

| 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   | LRE     |
| 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    |         |

## Quantitation Limit Exceptions Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154079-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

| Method | Analyte   | Matrix | Prep Type | Unit | Client RL | Lab PQL |
|--------|-----------|--------|-----------|------|-----------|---------|
| 310.13 | Motor Oil | Water  | Total/NA  | mg/L | 0.30      | 1       |

# Isotope Dilution Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154079-1

**Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID   | DXE      |  |
|--------------------|--------------------|----------|--|
|                    |                    | (15-110) |  |
| 480-154079-1       | MW-6-10            | 27       |  |
| 480-154079-2       | MW-6-10 DUPLICATE  | 30       |  |
| LCS 480-474856/2-A | Lab Control Sample | 31       |  |
| MB 480-474856/1-A  | Method Blank       | 32       |  |

### Surrogate Legend

DXE = 1,4-Dioxane-d8



## ANALYTICAL REPORT

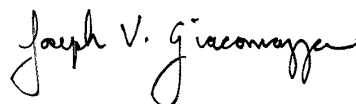
Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-154306-1  
Client Project/Site: Vibratex #915165

For:

New York State D.E.C.  
270 Michigan Avenue  
Buffalo, New York 14203

Attn: Mr. Maurice Moore



Authorized for release by:  
6/14/2019 3:19:25 PM

Joe Giacomazza, Project Management Assistant II  
[joe.giacomazza@testamericainc.com](mailto:joe.giacomazza@testamericainc.com)

Designee for

Orlette Johnson, Senior Project Manager  
(484)685-0864  
[orlette.johnson@testamericainc.com](mailto:orlette.johnson@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

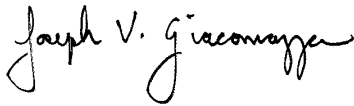
*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail 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.*

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



---

Joe Giacomazza  
Project Management Assistant II  
6/14/2019 3:19:25 PM

# Table of Contents

|                                              |    |
|----------------------------------------------|----|
| Cover Page . . . . .                         | 1  |
| Table of Contents . . . . .                  | 3  |
| Definitions . . . . .                        | 4  |
| Case Narrative . . . . .                     | 5  |
| Detection Summary . . . . .                  | 7  |
| Client Sample Results . . . . .              | 9  |
| Surrogate Summary . . . . .                  | 23 |
| QC Sample Results . . . . .                  | 25 |
| QC Association . . . . .                     | 51 |
| Chronicle . . . . .                          | 55 |
| Certification Summary . . . . .              | 57 |
| Method Summary . . . . .                     | 58 |
| Sample Summary . . . . .                     | 59 |
| Chain of Custody . . . . .                   | 60 |
| Receipt Checklists . . . . .                 | 61 |
| Detection Limit Exceptions Summary . . . . . | 62 |
| Isotope Dilution Summary . . . . .           | 63 |



## Definitions/Glossary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

### Qualifiers

#### GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| *         | LCS or LCSD is outside acceptance limits.                                                                      |
| E         | Result exceeded calibration range.                                                                             |
| F1        | MS and/or MSD Recovery is outside acceptance limits.                                                           |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

#### GC/MS Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| E         | Result exceeded calibration range.                                                                             |
| F1        | MS and/or MSD Recovery is outside acceptance limits.                                                           |
| F2        | MS/MSD RPD exceeds control limits                                                                              |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| X         | Surrogate is outside control limits                                                                            |

#### Metals

| Qualifier | Qualifier Description                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| B         | Compound was found in the blank and sample.                                                                                                               |
| F1        | MS and/or MSD Recovery is outside acceptance limits.                                                                                                      |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.                                            |

### Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| □              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| 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)                                                                             |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| PQL            | Practical Quantitation Limit                                                                                |
| 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)                                                                       |

# Case Narrative

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154306-1

## Job ID: 480-154306-1

### Laboratory: Eurofins TestAmerica, Buffalo

#### Narrative

#### Job Narrative 480-154306-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/29/2019 3:13 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 2.8° C, 3.2° C, 3.6° C and 3.7° C.

#### GC/MS VOA

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: LMW-02 (480-154306-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: LMW-02 (480-154306-3), (480-154306-M-3 MS) and (480-154306-M-3 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Due to the high concentration of 1,1-Dichloroethane and 1,1,1-Trichloroethane, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 480-476003 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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: 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: LMW-03 (480-154306-2[MSD]). These results have been reported and qualified.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-477043 recovered outside acceptance criteria, low biased, for 3-Nitroaniline and Carbazole. 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: MW-01-10 (480-154306-1), LMW-03 (480-154306-2) and LMW-02 (480-154306-3).

Method(s) 8270D SIM ID: The 1,4-Dioxane result reported for samples LMW-03 (480-154306-2[MS]) and LMW-03 (480-154306-2[MSD]) 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(s) 8270D SIM ID: The following sample was diluted to bring the concentration of target analytes within the calibration range: LMW-02 (480-154306-3). Elevated reporting limits (RLs) are provided.

Method(s) 8270D SIM ID: The 1,4-Dioxane result reported for sample LMW-02 (480-154306-3) 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.

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.

#### Metals

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

#### Organic Prep

## Case Narrative

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154306-1

---

### Job ID: 480-154306-1 (Continued)

---

#### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method(s) 3510C: Insufficient sample volume was provided for the following sample for the 8015 analysis: MW-01-10 (480-154306-1).

Method(s) 3510C: Insufficient sample volume was provided for the following sample for the 8270 SIM analysis: MW-01-10 (480-154306-1).

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: Vibratech #915165

Job ID: 480-154306-1

## Client Sample ID: MW-01-10

## Lab Sample ID: 480-154306-1

| Analyte      | Result | Qualifier | RL     | MDL     | Unit | Dil | Fac | D | Method | Prep Type |
|--------------|--------|-----------|--------|---------|------|-----|-----|---|--------|-----------|
| Phenanthrene | 0.45   | J         | 5.0    | 0.44    | ug/L | 1   |     |   | 8270D  | Total/NA  |
| Arsenic      | 0.0074 | J         | 0.015  | 0.0056  | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Barium       | 0.012  |           | 0.0020 | 0.00070 | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Calcium      | 75.3   |           | 0.50   | 0.10    | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Chromium     | 0.0069 |           | 0.0040 | 0.0010  | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Copper       | 0.011  |           | 0.010  | 0.0016  | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Iron         | 0.063  | B         | 0.050  | 0.019   | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Magnesium    | 5.7    |           | 0.20   | 0.043   | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Manganese    | 0.0013 | J B       | 0.0030 | 0.00040 | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Nickel       | 0.0036 | J         | 0.010  | 0.0013  | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Potassium    | 2.0    |           | 0.50   | 0.10    | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Sodium       | 4.6    |           | 1.0    | 0.32    | mg/L | 1   |     |   | 6010C  | Total/NA  |
| Zinc         | 0.0047 | J B       | 0.010  | 0.0015  | mg/L | 1   |     |   | 6010C  | Total/NA  |

## Client Sample ID: LMW-03

## Lab Sample ID: 480-154306-2

| Analyte                | Result | Qualifier | RL     | MDL     | Unit | Dil | Fac | D | Method       | Prep Type |
|------------------------|--------|-----------|--------|---------|------|-----|-----|---|--------------|-----------|
| 1,1,1-Trichloroethane  | 2.6    |           | 1.0    | 0.82    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| 1,1-Dichloroethane     | 2.0    |           | 1.0    | 0.38    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| cis-1,2-Dichloroethene | 16     |           | 1.0    | 0.81    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| Toluene                | 1.1    |           | 1.0    | 0.51    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| Trichloroethene        | 27     | F1        | 1.0    | 0.46    | ug/L | 1   |     |   | 8260C        | Total/NA  |
| 1,4-Dioxane            | 0.43   |           | 0.20   | 0.10    | ug/L | 1   |     |   | 8270D SIM ID | Total/NA  |
| Phenanthrene           | 0.51   | J F1      | 5.0    | 0.44    | ug/L | 1   |     |   | 8270D        | Total/NA  |
| Motor Oil              | 0.93   |           | 0.90   | 0.90    | mg/L | 1   |     |   | 310.13       | Total/NA  |
| Barium                 | 0.092  |           | 0.0020 | 0.00070 | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Calcium                | 106    |           | 0.50   | 0.10    | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Copper                 | 0.0016 | J         | 0.010  | 0.0016  | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Iron                   | 0.036  | J B       | 0.050  | 0.019   | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Magnesium              | 27.3   | F1        | 0.20   | 0.043   | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Manganese              | 0.11   | F1 B      | 0.0030 | 0.00040 | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Nickel                 | 0.0038 | J         | 0.010  | 0.0013  | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Potassium              | 4.8    |           | 0.50   | 0.10    | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Sodium                 | 37.7   | F1        | 1.0    | 0.32    | mg/L | 1   |     |   | 6010C        | Total/NA  |
| Zinc                   | 0.019  | B         | 0.010  | 0.0015  | mg/L | 1   |     |   | 6010C        | Total/NA  |

## Client Sample ID: LMW-02

## Lab Sample ID: 480-154306-3

| Analyte                     | Result | Qualifier | RL  | MDL | Unit | Dil | Fac | D | Method       | Prep Type |
|-----------------------------|--------|-----------|-----|-----|------|-----|-----|---|--------------|-----------|
| 1,1,2-Trichloroethane       | 9.4    | J         | 10  | 2.3 | ug/L | 10  |     |   | 8260C        | Total/NA  |
| 1,1-Dichloroethene          | 240    |           | 10  | 2.9 | ug/L | 10  |     |   | 8260C        | Total/NA  |
| 1,2-Dichloroethane          | 5.3    | J         | 10  | 2.1 | ug/L | 10  |     |   | 8260C        | Total/NA  |
| Chloroethane                | 8.1    | J         | 10  | 3.2 | ug/L | 10  |     |   | 8260C        | Total/NA  |
| Chloroform                  | 4.7    | J         | 10  | 3.4 | ug/L | 10  |     |   | 8260C        | Total/NA  |
| trans-1,2-Dichloroethene    | 26     |           | 10  | 9.0 | ug/L | 10  |     |   | 8260C        | Total/NA  |
| Trichloroethene             | 100    |           | 10  | 4.6 | ug/L | 10  |     |   | 8260C        | Total/NA  |
| Vinyl chloride              | 160    |           | 10  | 9.0 | ug/L | 10  |     |   | 8260C        | Total/NA  |
| 1,1,1-Trichloroethane - DL  | 6900   | F1        | 100 | 82  | ug/L | 100 |     |   | 8260C        | Total/NA  |
| 1,1-Dichloroethane - DL     | 7500   | F1        | 100 | 38  | ug/L | 100 |     |   | 8260C        | Total/NA  |
| cis-1,2-Dichloroethene - DL | 2000   |           | 100 | 81  | ug/L | 100 |     |   | 8260C        | Total/NA  |
| 1,4-Dioxane                 | 71     | E         | 4.0 | 2.0 | ug/L | 20  |     |   | 8270D SIM ID | Total/NA  |
| Caprolactam                 | 3.2    | J         | 5.0 | 2.2 | ug/L | 1   |     |   | 8270D        | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

## Detection Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154306-1

Client Sample ID: LMW-02 (Continued)

Lab Sample ID: 480-154306-3

| Analyte      | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method | Prep Type |
|--------------|--------|-----------|--------|---------|------|---------|---|--------|-----------|
| Phenanthrene | 0.58   | J         | 5.0    | 0.44    | ug/L | 1       |   | 8270D  | Total/NA  |
| Motor Oil    | 0.49   |           | 0.40   | 0.40    | mg/L | 1       |   | 310.13 | Total/NA  |
| Barium       | 0.028  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C  | Total/NA  |
| Calcium      | 92.1   |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Iron         | 0.28   | B         | 0.050  | 0.019   | mg/L | 1       |   | 6010C  | Total/NA  |
| Magnesium    | 10.7   |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C  | Total/NA  |
| Manganese    | 0.077  | B         | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C  | Total/NA  |
| Nickel       | 0.0078 | J         | 0.010  | 0.0013  | mg/L | 1       |   | 6010C  | Total/NA  |
| Potassium    | 3.5    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Sodium       | 60.6   |           | 1.0    | 0.32    | mg/L | 1       |   | 6010C  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

Client Sample ID: MW-01-10

Lab Sample ID: 480-154306-1

Date Collected: 05/29/19 09:55

Matrix: Water

Date Received: 05/29/19 15:13

## 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        |           | 0.35     | 0.17 | ug/L |   | 06/03/19 16:02 | 06/04/19 21:08 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 40        |           | 15 - 110 |      |      |   | 06/03/19 16:02 | 06/04/19 21:08 | 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 |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 5.0 | 0.61 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 5.0 | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 5.0 | 0.50 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 10  | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 5.0 | 0.45 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 2-Chloronaphthalene           | ND     |           | 5.0 | 0.46 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 2-Chlorophenol                | ND     |           | 5.0 | 0.53 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 2-Methylnaphthalene           | ND     |           | 5.0 | 0.60 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 2-Methylphenol                | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 2-Nitroaniline                | ND     |           | 10  | 0.42 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 2-Nitrophenol                 | ND     |           | 5.0 | 0.48 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 3-Nitroaniline                | ND     |           | 10  | 0.48 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10  | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 5.0 | 0.45 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 5.0 | 0.45 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 4-Chloroaniline               | ND     |           | 5.0 | 0.59 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 5.0 | 0.35 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 4-Methylphenol                | ND     |           | 10  | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 4-Nitroaniline                | ND     |           | 10  | 0.25 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 4-Nitrophenol                 | ND     |           | 10  | 1.5  | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Acenaphthene                  | ND     |           | 5.0 | 0.41 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Acenaphthylene                | ND     |           | 5.0 | 0.38 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Acetophenone                  | ND     |           | 5.0 | 0.54 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Anthracene                    | ND     |           | 5.0 | 0.28 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Atrazine                      | ND     |           | 5.0 | 0.46 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Benzaldehyde                  | ND     |           | 5.0 | 0.27 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Benzo(a)anthracene            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Benzo(a)pyrene                | ND     |           | 5.0 | 0.47 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 5.0 | 0.34 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 5.0 | 0.35 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 5.0 | 0.73 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Biphenyl                      | ND     |           | 5.0 | 0.65 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 5.0 | 0.52 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.0 | 0.35 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Butyl benzyl phthalate        | ND     |           | 5.0 | 1.0  | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Caprolactam                   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Carbazole                     | ND     |           | 5.0 | 0.30 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Chrysene                      | ND     |           | 5.0 | 0.33 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

Client Sample ID: MW-01-10

Lab Sample ID: 480-154306-1

Date Collected: 05/29/19 09:55

Matrix: Water

Date Received: 05/29/19 15:13

## 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 |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Dibenzofuran              | ND     |           | 10  | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Diethyl phthalate         | ND     |           | 5.0 | 0.22 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Dimethyl phthalate        | ND     |           | 5.0 | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Di-n-butyl phthalate      | ND     |           | 5.0 | 0.31 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Di-n-octyl phthalate      | ND     |           | 5.0 | 0.47 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Fluoranthene              | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Fluorene                  | ND     |           | 5.0 | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Hexachlorobenzene         | ND     |           | 5.0 | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Hexachlorobutadiene       | ND     |           | 5.0 | 0.68 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Hexachlorocyclopentadiene | ND     |           | 5.0 | 0.59 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Hexachloroethane          | ND     |           | 5.0 | 0.59 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND     |           | 5.0 | 0.47 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Isophorone                | ND     |           | 5.0 | 0.43 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Naphthalene               | ND     |           | 5.0 | 0.76 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Nitrobenzene              | ND     |           | 5.0 | 0.29 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| N-Nitrosodi-n-propylamine | ND     |           | 5.0 | 0.54 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| N-Nitrosodiphenylamine    | ND     |           | 5.0 | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Pentachlorophenol         | ND     |           | 10  | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Phenanthrene              | 0.45   | J         | 5.0 | 0.44 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Phenol                    | ND     |           | 5.0 | 0.39 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Pyrene                    | ND     |           | 5.0 | 0.34 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:44 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 91        |           | 41 - 120 | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 2-Fluorobiphenyl     | 94        |           | 48 - 120 | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| 2-Fluorophenol       | 63        |           | 35 - 120 | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Nitrobenzene-d5      | 84        |           | 46 - 120 | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| Phenol-d5            | 45        |           | 22 - 120 | 06/03/19 15:49 | 06/10/19 19:44 | 1       |
| p-Terphenyl-d14      | 88        |           | 59 - 136 | 06/03/19 15:49 | 06/10/19 19:44 | 1       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.39 | 0.39 | mg/L |   | 06/03/19 15:58 | 06/04/19 18:40 | 1       |
| Kerosene             | ND     |           | 0.98 | 0.98 | mg/L |   | 06/03/19 15:58 | 06/04/19 18:40 | 1       |
| Motor Oil            | ND     |           | 2.0  | 2.0  | mg/L |   | 06/03/19 15:58 | 06/04/19 18:40 | 1       |
| Fuel Oil #2          | ND     |           | 0.98 | 0.98 | mg/L |   | 06/03/19 15:58 | 06/04/19 18:40 | 1       |
| Fuel Oil #4          | ND     |           | 0.98 | 0.98 | mg/L |   | 06/03/19 15:58 | 06/04/19 18:40 | 1       |
| Fuel Oil #6          | ND     |           | 0.98 | 0.98 | mg/L |   | 06/03/19 15:58 | 06/04/19 18:40 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.39 | 0.39 | mg/L |   | 06/03/19 15:58 | 06/04/19 18:40 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte       | Result | Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDD      | ND     |           | 0.052 | 0.0096 | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| 4,4'-DDE      | ND     |           | 0.052 | 0.012  | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| 4,4'-DDT      | ND     |           | 0.052 | 0.011  | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| Aldrin        | ND     |           | 0.052 | 0.0084 | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| alpha-BHC     | ND     |           | 0.052 | 0.0080 | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| cis-Chlordane | ND     |           | 0.052 | 0.015  | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| beta-BHC      | ND     |           | 0.052 | 0.026  | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

Client Sample ID: MW-01-10

Lab Sample ID: 480-154306-1

Date Collected: 05/29/19 09:55

Matrix: Water

Date Received: 05/29/19 15:13

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

| Analyte             | Result | Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| delta-BHC           | ND     |           | 0.052 | 0.010  | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| Dieldrin            | ND     |           | 0.052 | 0.010  | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| Endosulfan I        | ND     |           | 0.052 | 0.011  | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| Endosulfan II       | ND     |           | 0.052 | 0.013  | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| Endosulfan sulfate  | ND     |           | 0.052 | 0.016  | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| Endrin              | ND     |           | 0.052 | 0.014  | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| Endrin aldehyde     | ND     |           | 0.052 | 0.017  | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| Endrin ketone       | ND     |           | 0.052 | 0.013  | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| gamma-BHC (Lindane) | ND     |           | 0.052 | 0.0083 | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| trans-Chlordane     | ND     |           | 0.052 | 0.011  | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| Heptachlor          | ND     |           | 0.052 | 0.0089 | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| Heptachlor epoxide  | ND     |           | 0.052 | 0.0077 | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| Methoxychlor        | ND     |           | 0.052 | 0.015  | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| Toxaphene           | ND     |           | 0.52  | 0.13   | ug/L |   | 06/04/19 07:53 | 06/05/19 13:05 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 47        |           | 20 - 120 | 06/04/19 07:53 | 06/05/19 13:05 | 1       |
| Tetrachloro-m-xylene   | 87        |           | 44 - 120 | 06/04/19 07:53 | 06/05/19 13:05 | 1       |

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

| Analyte  | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.54 | 0.19 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:45 | 1       |
| PCB-1221 | ND     |           | 0.54 | 0.19 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:45 | 1       |
| PCB-1232 | ND     |           | 0.54 | 0.19 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:45 | 1       |
| PCB-1242 | ND     |           | 0.54 | 0.19 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:45 | 1       |
| PCB-1248 | ND     |           | 0.54 | 0.19 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:45 | 1       |
| PCB-1254 | ND     |           | 0.54 | 0.27 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:45 | 1       |
| PCB-1260 | ND     |           | 0.54 | 0.27 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:45 | 1       |
| PCB-1262 | ND     |           | 0.54 | 0.27 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:45 | 1       |
| PCB-1268 | ND     |           | 0.54 | 0.27 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:45 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 82        |           | 39 - 121 | 06/04/19 08:00 | 06/04/19 18:45 | 1       |
| DCB Decachlorobiphenyl | 42        |           | 19 - 120 | 06/04/19 08:00 | 06/04/19 18:45 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Arsenic   | 0.0074 | J         | 0.015  | 0.0056  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Barium    | 0.012  |           | 0.0020 | 0.00070 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Calcium   | 75.3   |           | 0.50   | 0.10    | mg/L |   | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Chromium  | 0.0069 |           | 0.0040 | 0.0010  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Copper    | 0.011  |           | 0.010  | 0.0016  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Iron      | 0.063  | B         | 0.050  | 0.019   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Magnesium | 5.7    |           | 0.20   | 0.043   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:19 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibrattech #915165

Job ID: 480-154306-1

Client Sample ID: MW-01-10

Lab Sample ID: 480-154306-1

Date Collected: 05/29/19 09:55

Matrix: Water

Date Received: 05/29/19 15:13

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Manganese | 0.0013 | J B       | 0.0030 | 0.00040 | mg/L | — | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Nickel    | 0.0036 | J         | 0.010  | 0.0013  | mg/L | — | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Potassium | 2.0    |           | 0.50   | 0.10    | mg/L | — | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L | — | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L | — | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Sodium    | 4.6    |           | 1.0    | 0.32    | mg/L | — | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L | — | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L | — | 06/04/19 09:09 | 06/08/19 20:19 | 1       |
| Zinc      | 0.0047 | J B       | 0.010  | 0.0015  | mg/L | — | 06/04/19 09:09 | 06/08/19 20:19 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L | — | 06/04/19 11:31 | 06/04/19 14:18 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

Client Sample ID: LMW-03

Lab Sample ID: 480-154306-2

Date Collected: 05/29/19 10:40

Matrix: Water

Date Received: 05/29/19 15:13

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

| Analyte                               | Result       | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------------|-----------|-----|------|------|---|----------|----------------|---------|
| <b>1,1,1-Trichloroethane</b>          | <b>2.6</b>   |           | 1.0 | 0.82 | ug/L |   |          | 06/04/19 07:45 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND           |           | 1.0 | 0.21 | ug/L |   |          | 06/04/19 07:45 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND           |           | 1.0 | 0.31 | ug/L |   |          | 06/04/19 07:45 | 1       |
| 1,1,2-Trichloroethane                 | ND           |           | 1.0 | 0.23 | ug/L |   |          | 06/04/19 07:45 | 1       |
| <b>1,1-Dichloroethane</b>             | <b>2.0</b>   |           | 1.0 | 0.38 | ug/L |   |          | 06/04/19 07:45 | 1       |
| 1,1-Dichloroethene                    | ND           |           | 1.0 | 0.29 | ug/L |   |          | 06/04/19 07:45 | 1       |
| 1,2,4-Trichlorobenzene                | ND           |           | 1.0 | 0.41 | ug/L |   |          | 06/04/19 07:45 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND           |           | 1.0 | 0.39 | ug/L |   |          | 06/04/19 07:45 | 1       |
| 1,2-Dibromoethane                     | ND           |           | 1.0 | 0.73 | ug/L |   |          | 06/04/19 07:45 | 1       |
| 1,2-Dichlorobenzene                   | ND           |           | 1.0 | 0.79 | ug/L |   |          | 06/04/19 07:45 | 1       |
| 1,2-Dichloroethane                    | ND           |           | 1.0 | 0.21 | ug/L |   |          | 06/04/19 07:45 | 1       |
| 1,2-Dichloropropane                   | ND           |           | 1.0 | 0.72 | ug/L |   |          | 06/04/19 07:45 | 1       |
| 1,3-Dichlorobenzene                   | ND           |           | 1.0 | 0.78 | ug/L |   |          | 06/04/19 07:45 | 1       |
| 1,4-Dichlorobenzene                   | ND           |           | 1.0 | 0.84 | ug/L |   |          | 06/04/19 07:45 | 1       |
| 2-Butanone (MEK)                      | ND           |           | 10  | 1.3  | ug/L |   |          | 06/04/19 07:45 | 1       |
| 2-Hexanone                            | ND           |           | 5.0 | 1.2  | ug/L |   |          | 06/04/19 07:45 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND           |           | 5.0 | 2.1  | ug/L |   |          | 06/04/19 07:45 | 1       |
| Acetone                               | ND           |           | 10  | 3.0  | ug/L |   |          | 06/04/19 07:45 | 1       |
| Benzene                               | ND           |           | 1.0 | 0.41 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Bromodichloromethane                  | ND           |           | 1.0 | 0.39 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Bromoform                             | ND           |           | 1.0 | 0.26 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Bromomethane                          | ND           |           | 1.0 | 0.69 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Carbon disulfide                      | ND           |           | 1.0 | 0.19 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Carbon tetrachloride                  | ND           |           | 1.0 | 0.27 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Chlorobenzene                         | ND           |           | 1.0 | 0.75 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Chloroethane                          | ND           |           | 1.0 | 0.32 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Chloroform                            | ND           |           | 1.0 | 0.34 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Chloromethane                         | ND           |           | 1.0 | 0.35 | ug/L |   |          | 06/04/19 07:45 | 1       |
| <b>cis-1,2-Dichloroethene</b>         | <b>16</b>    |           | 1.0 | 0.81 | ug/L |   |          | 06/04/19 07:45 | 1       |
| cis-1,3-Dichloropropene               | ND           |           | 1.0 | 0.36 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Cyclohexane                           | ND           |           | 1.0 | 0.18 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Dibromochloromethane                  | ND           |           | 1.0 | 0.32 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Dichlorodifluoromethane               | ND           |           | 1.0 | 0.68 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Ethylbenzene                          | ND           |           | 1.0 | 0.74 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Isopropylbenzene                      | ND           |           | 1.0 | 0.79 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Methyl acetate                        | ND           |           | 2.5 | 1.3  | ug/L |   |          | 06/04/19 07:45 | 1       |
| Methyl tert-butyl ether               | ND           |           | 1.0 | 0.16 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Methylcyclohexane                     | ND           |           | 1.0 | 0.16 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Methylene Chloride                    | ND           |           | 1.0 | 0.44 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Styrene                               | ND           |           | 1.0 | 0.73 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Tetrachloroethene                     | ND           |           | 1.0 | 0.36 | ug/L |   |          | 06/04/19 07:45 | 1       |
| <b>Toluene</b>                        | <b>1.1</b>   |           | 1.0 | 0.51 | ug/L |   |          | 06/04/19 07:45 | 1       |
| trans-1,2-Dichloroethene              | ND           |           | 1.0 | 0.90 | ug/L |   |          | 06/04/19 07:45 | 1       |
| trans-1,3-Dichloropropene             | ND           |           | 1.0 | 0.37 | ug/L |   |          | 06/04/19 07:45 | 1       |
| <b>Trichloroethene</b>                | <b>27 F1</b> |           | 1.0 | 0.46 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Trichlorofluoromethane                | ND           |           | 1.0 | 0.88 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Vinyl chloride                        | ND           |           | 1.0 | 0.90 | ug/L |   |          | 06/04/19 07:45 | 1       |
| Xylenes, Total                        | ND           |           | 2.0 | 0.66 | ug/L |   |          | 06/04/19 07:45 | 1       |
| t-Butyl alcohol                       | ND           |           | 10  | 3.3  | ug/L |   |          | 06/04/19 07:45 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

Client Sample ID: LMW-03

Lab Sample ID: 480-154306-2

Date Collected: 05/29/19 10:40

Matrix: Water

Date Received: 05/29/19 15:13

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 77 - 120 |          | 06/04/19 07:45 | 1       |
| 4-Bromofluorobenzene (Surr)  | 108       |           | 73 - 120 |          | 06/04/19 07:45 | 1       |
| Dibromofluoromethane (Surr)  | 94        |           | 75 - 123 |          | 06/04/19 07:45 | 1       |
| Toluene-d8 (Surr)            | 107       |           | 80 - 120 |          | 06/04/19 07:45 | 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      | 0.43      |           | 0.20     | 0.10 | ug/L |   | 06/03/19 16:02 | 06/04/19 20:21 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 28        |           | 15 - 110 |      |      |   | 06/03/19 16:02 | 06/04/19 20:21 | 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 |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 2,4,6-Trichlorophenol         | ND     | F1        | 5.0 | 0.61 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 5.0 | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 5.0 | 0.50 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 10  | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 2,4-Dinitrotoluene            | ND     | F2        | 5.0 | 0.45 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 2-Chloronaphthalene           | ND     |           | 5.0 | 0.46 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 2-Chlorophenol                | ND     |           | 5.0 | 0.53 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 2-Methylnaphthalene           | ND     |           | 5.0 | 0.60 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 2-Methylphenol                | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 2-Nitroaniline                | ND     |           | 10  | 0.42 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 2-Nitrophenol                 | ND     |           | 5.0 | 0.48 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 3,3'-Dichlorobenzidine        | ND     | F2        | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 3-Nitroaniline                | ND     |           | 10  | 0.48 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10  | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 4-Bromophenyl phenyl ether    | ND     | F2        | 5.0 | 0.45 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 5.0 | 0.45 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 4-Chloroaniline               | ND     |           | 5.0 | 0.59 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 5.0 | 0.35 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 4-Methylphenol                | ND     |           | 10  | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 4-Nitroaniline                | ND     |           | 10  | 0.25 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 4-Nitrophenol                 | ND     |           | 10  | 1.5  | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Acenaphthene                  | ND     |           | 5.0 | 0.41 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Acenaphthylene                | ND     |           | 5.0 | 0.38 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Acetophenone                  | ND     |           | 5.0 | 0.54 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Anthracene                    | ND     |           | 5.0 | 0.28 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Atrazine                      | ND     | F2        | 5.0 | 0.46 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Benzaldehyde                  | ND     |           | 5.0 | 0.27 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Benzo(a)anthracene            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Benzo(a)pyrene                | ND     |           | 5.0 | 0.47 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 5.0 | 0.34 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 5.0 | 0.35 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 5.0 | 0.73 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Biphenyl                      | ND     |           | 5.0 | 0.65 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 5.0 | 0.52 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.0 | 0.35 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

Client Sample ID: LMW-03

Lab Sample ID: 480-154306-2

Date Collected: 05/29/19 10:40

Matrix: Water

Date Received: 05/29/19 15:13

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

| Analyte                     | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Bis(2-chloroethyl)ether     | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Bis(2-ethylhexyl) phthalate | ND     |           | 5.0 | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Butyl benzyl phthalate      | ND     |           | 5.0 | 1.0  | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Caprolactam                 | ND     |           | 5.0 | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Carbazole                   | ND     |           | 5.0 | 0.30 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Chrysene                    | ND     |           | 5.0 | 0.33 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Dibenz(a,h)anthracene       | ND     |           | 5.0 | 0.42 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Dibenzofuran                | ND     |           | 10  | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Diethyl phthalate           | ND     |           | 5.0 | 0.22 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Dimethyl phthalate          | ND     |           | 5.0 | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Di-n-butyl phthalate        | ND     |           | 5.0 | 0.31 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Di-n-octyl phthalate        | ND     |           | 5.0 | 0.47 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Fluoranthene                | ND     | F2        | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Fluorene                    | ND     |           | 5.0 | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Hexachlorobenzene           | ND     | F1        | 5.0 | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Hexachlorobutadiene         | ND     |           | 5.0 | 0.68 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Hexachlorocyclopentadiene   | ND     |           | 5.0 | 0.59 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Hexachloroethane            | ND     |           | 5.0 | 0.59 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Indeno(1,2,3-cd)pyrene      | ND     |           | 5.0 | 0.47 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Isophorone                  | ND     |           | 5.0 | 0.43 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Naphthalene                 | ND     |           | 5.0 | 0.76 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Nitrobenzene                | ND     |           | 5.0 | 0.29 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| N-Nitrosodi-n-propylamine   | ND     |           | 5.0 | 0.54 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| N-Nitrosodiphenylamine      | ND     |           | 5.0 | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Pentachlorophenol           | ND     |           | 10  | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Phenanthrene                | 0.51   | J F1      | 5.0 | 0.44 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Phenol                      | ND     |           | 5.0 | 0.39 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Pyrene                      | ND     | F2        | 5.0 | 0.34 | ug/L |   | 06/03/19 15:49 | 06/10/19 19:16 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 98        |           | 41 - 120 | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 2-Fluorobiphenyl     | 97        |           | 48 - 120 | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| 2-Fluorophenol       | 67        |           | 35 - 120 | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Nitrobenzene-d5      | 86        |           | 46 - 120 | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| Phenol-d5            | 46        |           | 22 - 120 | 06/03/19 15:49 | 06/10/19 19:16 | 1       |
| p-Terphenyl-d14      | 76        |           | 59 - 136 | 06/03/19 15:49 | 06/10/19 19:16 | 1       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.20 | 0.20 | mg/L |   | 06/03/19 15:58 | 06/04/19 18:04 | 1       |
| Kerosene             | ND     |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 18:04 | 1       |
| Motor Oil            | 0.93   |           | 0.90 | 0.90 | mg/L |   | 06/03/19 15:58 | 06/04/19 18:04 | 1       |
| Fuel Oil #2          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 18:04 | 1       |
| Fuel Oil #4          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 18:04 | 1       |
| Fuel Oil #6          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 18:04 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.20 | 0.20 | mg/L |   | 06/03/19 15:58 | 06/04/19 18:04 | 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 |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

Client Sample ID: LMW-03

Lab Sample ID: 480-154306-2

Date Collected: 05/29/19 10:40

Matrix: Water

Date Received: 05/29/19 15:13

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

| Analyte             | Result | Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| 4,4'-DDT            | ND     |           | 0.050 | 0.011  | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| delta-BHC           | ND     |           | 0.050 | 0.010  | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| Endrin aldehyde     | ND     |           | 0.050 | 0.016  | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| gamma-BHC (Lindane) | ND     |           | 0.050 | 0.0080 | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| trans-Chlordane     | ND     |           | 0.050 | 0.011  | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| Heptachlor          | ND     |           | 0.050 | 0.0085 | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| Heptachlor epoxide  | ND     |           | 0.050 | 0.0074 | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| Methoxychlor        | ND     |           | 0.050 | 0.014  | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| Toxaphene           | ND     |           | 0.50  | 0.12   | ug/L |   | 06/04/19 07:53 | 06/05/19 12:46 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 34        |           | 20 - 120 | 06/04/19 07:53 | 06/05/19 12:46 | 1       |
| Tetrachloro-m-xylene   | 85        |           | 44 - 120 | 06/04/19 07:53 | 06/05/19 12:46 | 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 |   | 06/04/19 08:00 | 06/04/19 18:20 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:20 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:20 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:20 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:20 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:20 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:20 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:20 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/04/19 08:00 | 06/04/19 18:20 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 78        |           | 39 - 121 | 06/04/19 08:00 | 06/04/19 18:20 | 1       |
| DCB Decachlorobiphenyl | 37        |           | 19 - 120 | 06/04/19 08:00 | 06/04/19 18:20 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Barium    | 0.092  |           | 0.0020 | 0.00070 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Calcium   | 106    |           | 0.50   | 0.10    | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154306-1

Client Sample ID: LMW-03

Lab Sample ID: 480-154306-2

Date Collected: 05/29/19 10:40

Matrix: Water

Date Received: 05/29/19 15:13

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Copper    | 0.0016 | J         | 0.010  | 0.0016  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Iron      | 0.036  | J B       | 0.050  | 0.019   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Magnesium | 27.3   | F1        | 0.20   | 0.043   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Manganese | 0.11   | F1 B      | 0.0030 | 0.00040 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Nickel    | 0.0038 | J         | 0.010  | 0.0013  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Potassium | 4.8    |           | 0.50   | 0.10    | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Sodium    | 37.7   | F1        | 1.0    | 0.32    | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |
| Zinc      | 0.019  | B         | 0.010  | 0.0015  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:23 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 06/04/19 11:31 | 06/04/19 14:20 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

Client Sample ID: LMW-02

Lab Sample ID: 480-154306-3

Date Collected: 05/29/19 14:20

Matrix: Water

Date Received: 05/29/19 15:13

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

| Analyte                               | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1,2,2-Tetrachloroethane             | ND     |           | 10  | 2.1 | ug/L |   |          | 06/04/19 02:26 | 10      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 10  | 3.1 | ug/L |   |          | 06/04/19 02:26 | 10      |
| 1,1,2-Trichloroethane                 | 9.4    | J         | 10  | 2.3 | ug/L |   |          | 06/04/19 02:26 | 10      |
| 1,1-Dichloroethene                    | 240    |           | 10  | 2.9 | ug/L |   |          | 06/04/19 02:26 | 10      |
| 1,2,4-Trichlorobenzene                | ND     |           | 10  | 4.1 | ug/L |   |          | 06/04/19 02:26 | 10      |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 10  | 3.9 | ug/L |   |          | 06/04/19 02:26 | 10      |
| 1,2-Dibromoethane                     | ND     |           | 10  | 7.3 | ug/L |   |          | 06/04/19 02:26 | 10      |
| 1,2-Dichlorobenzene                   | ND     |           | 10  | 7.9 | ug/L |   |          | 06/04/19 02:26 | 10      |
| 1,2-Dichloroethane                    | 5.3    | J         | 10  | 2.1 | ug/L |   |          | 06/04/19 02:26 | 10      |
| 1,2-Dichloropropane                   | ND     |           | 10  | 7.2 | ug/L |   |          | 06/04/19 02:26 | 10      |
| 1,3-Dichlorobenzene                   | ND     |           | 10  | 7.8 | ug/L |   |          | 06/04/19 02:26 | 10      |
| 1,4-Dichlorobenzene                   | ND     |           | 10  | 8.4 | ug/L |   |          | 06/04/19 02:26 | 10      |
| 2-Butanone (MEK)                      | ND     |           | 100 | 13  | ug/L |   |          | 06/04/19 02:26 | 10      |
| 2-Hexanone                            | ND     |           | 50  | 12  | ug/L |   |          | 06/04/19 02:26 | 10      |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 50  | 21  | ug/L |   |          | 06/04/19 02:26 | 10      |
| Acetone                               | ND     |           | 100 | 30  | ug/L |   |          | 06/04/19 02:26 | 10      |
| Benzene                               | ND     |           | 10  | 4.1 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Bromodichloromethane                  | ND     |           | 10  | 3.9 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Bromoform                             | ND     |           | 10  | 2.6 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Bromomethane                          | ND     |           | 10  | 6.9 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Carbon disulfide                      | ND     |           | 10  | 1.9 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Carbon tetrachloride                  | ND     |           | 10  | 2.7 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Chlorobenzene                         | ND     |           | 10  | 7.5 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Chloroethane                          | 8.1    | J         | 10  | 3.2 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Chloroform                            | 4.7    | J         | 10  | 3.4 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Chloromethane                         | ND     |           | 10  | 3.5 | ug/L |   |          | 06/04/19 02:26 | 10      |
| cis-1,3-Dichloropropene               | ND     |           | 10  | 3.6 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Cyclohexane                           | ND     |           | 10  | 1.8 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Dibromochloromethane                  | ND     |           | 10  | 3.2 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Dichlorodifluoromethane               | ND     |           | 10  | 6.8 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Ethylbenzene                          | ND     |           | 10  | 7.4 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Isopropylbenzene                      | ND     |           | 10  | 7.9 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Methyl acetate                        | ND     |           | 25  | 13  | ug/L |   |          | 06/04/19 02:26 | 10      |
| Methyl tert-butyl ether               | ND     |           | 10  | 1.6 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Methylcyclohexane                     | ND     |           | 10  | 1.6 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Methylene Chloride                    | ND     |           | 10  | 4.4 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Styrene                               | ND     |           | 10  | 7.3 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Tetrachloroethene                     | ND     |           | 10  | 3.6 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Toluene                               | ND     |           | 10  | 5.1 | ug/L |   |          | 06/04/19 02:26 | 10      |
| trans-1,2-Dichloroethene              | 26     |           | 10  | 9.0 | ug/L |   |          | 06/04/19 02:26 | 10      |
| trans-1,3-Dichloropropene             | ND     |           | 10  | 3.7 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Trichloroethene                       | 100    |           | 10  | 4.6 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Trichlorofluoromethane                | ND     |           | 10  | 8.8 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Vinyl chloride                        | 160    |           | 10  | 9.0 | ug/L |   |          | 06/04/19 02:26 | 10      |
| Xylenes, Total                        | ND     |           | 20  | 6.6 | ug/L |   |          | 06/04/19 02:26 | 10      |
| t-Butyl alcohol                       | ND     |           | 100 | 33  | ug/L |   |          | 06/04/19 02:26 | 10      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 96        |           | 77 - 120 |          | 06/04/19 02:26 | 10      |
| 4-Bromofluorobenzene (Surr)  | 105       |           | 73 - 120 |          | 06/04/19 02:26 | 10      |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

Client Sample ID: LMW-02

Lab Sample ID: 480-154306-3

Date Collected: 05/29/19 14:20

Matrix: Water

Date Received: 05/29/19 15:13

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

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| Dibromofluoromethane (Surr) | 95        |           | 75 - 123 |          | 06/04/19 02:26 | 10      |
| Toluene-d8 (Surr)           | 101       |           | 80 - 120 |          | 06/04/19 02:26 | 10      |

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

| Analyte                | Result | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------|--------|-----------|-----|-----|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane  | 6900   | F1        | 100 | 82  | ug/L |   |          | 06/04/19 17:44 | 100     |
| 1,1-Dichloroethane     | 7500   | F1        | 100 | 38  | ug/L |   |          | 06/04/19 17:44 | 100     |
| cis-1,2-Dichloroethene | 2000   |           | 100 | 81  | ug/L |   |          | 06/04/19 17:44 | 100     |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 77 - 120 |          | 06/04/19 17:44 | 100     |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 73 - 120 |          | 06/04/19 17:44 | 100     |
| Dibromofluoromethane (Surr)  | 96        |           | 75 - 123 |          | 06/04/19 17:44 | 100     |
| Toluene-d8 (Surr)            | 91        |           | 80 - 120 |          | 06/04/19 17:44 | 100     |

## 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 | 71     | E         | 4.0 | 2.0 | ug/L |   | 06/03/19 16:02 | 06/06/19 18:05 | 20      |

| Isotope Dilution | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Dioxane-d8   | 23        |           | 15 - 110 | 06/03/19 16:02 | 06/06/19 18:05 | 20      |

## 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 |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 2,4,6-Trichlorophenol       | ND     |           | 5.0 | 0.61 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 2,4-Dichlorophenol          | ND     |           | 5.0 | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 2,4-Dimethylphenol          | ND     |           | 5.0 | 0.50 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 2,4-Dinitrophenol           | ND     |           | 10  | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 2,4-Dinitrotoluene          | ND     |           | 5.0 | 0.45 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 2,6-Dinitrotoluene          | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 2-Chloronaphthalene         | ND     |           | 5.0 | 0.46 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 2-Chlorophenol              | ND     |           | 5.0 | 0.53 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 2-Methylnaphthalene         | ND     |           | 5.0 | 0.60 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 2-Methylphenol              | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 2-Nitroaniline              | ND     |           | 10  | 0.42 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 2-Nitrophenol               | ND     |           | 5.0 | 0.48 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 3,3'-Dichlorobenzidine      | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 3-Nitroaniline              | ND     |           | 10  | 0.48 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 4,6-Dinitro-2-methylphenol  | ND     |           | 10  | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 4-Bromophenyl phenyl ether  | ND     |           | 5.0 | 0.45 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 4-Chloro-3-methylphenol     | ND     |           | 5.0 | 0.45 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 4-Chloroaniline             | ND     |           | 5.0 | 0.59 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 4-Chlorophenyl phenyl ether | ND     |           | 5.0 | 0.35 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 4-Methylphenol              | ND     |           | 10  | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 4-Nitroaniline              | ND     |           | 10  | 0.25 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 4-Nitrophenol               | ND     |           | 10  | 1.5  | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Acenaphthene                | ND     |           | 5.0 | 0.41 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Acenaphthylene              | ND     |           | 5.0 | 0.38 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Acetophenone                | ND     |           | 5.0 | 0.54 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Anthracene                  | ND     |           | 5.0 | 0.28 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

Client Sample ID: LMW-02

Lab Sample ID: 480-154306-3

Date Collected: 05/29/19 14:20

Matrix: Water

Date Received: 05/29/19 15:13

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

| Analyte                       | Result | Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
| Atrazine                      | ND     |           | 5.0 | 0.46 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Benzaldehyde                  | ND     |           | 5.0 | 0.27 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Benzo(a)anthracene            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Benzo(a)pyrene                | ND     |           | 5.0 | 0.47 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 5.0 | 0.34 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 5.0 | 0.35 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 5.0 | 0.73 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Biphenyl                      | ND     |           | 5.0 | 0.65 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 5.0 | 0.52 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.0 | 0.35 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Butyl benzyl phthalate        | ND     |           | 5.0 | 1.0  | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Caprolactam                   | 3.2    | J         | 5.0 | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Carbazole                     | ND     |           | 5.0 | 0.30 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Chrysene                      | ND     |           | 5.0 | 0.33 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Dibenz(a,h)anthracene         | ND     |           | 5.0 | 0.42 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Dibenzofuran                  | ND     |           | 10  | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Diethyl phthalate             | ND     |           | 5.0 | 0.22 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Dimethyl phthalate            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Di-n-butyl phthalate          | ND     |           | 5.0 | 0.31 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Di-n-octyl phthalate          | ND     |           | 5.0 | 0.47 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Fluoranthene                  | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Fluorene                      | ND     |           | 5.0 | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Hexachlorobenzene             | ND     |           | 5.0 | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Hexachlorobutadiene           | ND     |           | 5.0 | 0.68 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Hexachlorocyclopentadiene     | ND     |           | 5.0 | 0.59 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Hexachloroethane              | ND     |           | 5.0 | 0.59 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Indeno(1,2,3-cd)pyrene        | ND     |           | 5.0 | 0.47 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Isophorone                    | ND     |           | 5.0 | 0.43 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Naphthalene                   | ND     |           | 5.0 | 0.76 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Nitrobenzene                  | ND     |           | 5.0 | 0.29 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| N-Nitrosodi-n-propylamine     | ND     |           | 5.0 | 0.54 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| N-Nitrosodiphenylamine        | ND     |           | 5.0 | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Pentachlorophenol             | ND     |           | 10  | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Phenanthrene                  | 0.58   | J         | 5.0 | 0.44 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Phenol                        | ND     |           | 5.0 | 0.39 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Pyrene                        | ND     |           | 5.0 | 0.34 | ug/L |   | 06/03/19 15:49 | 06/10/19 20:12 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 99        |           | 41 - 120 | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 2-Fluorobiphenyl     | 91        |           | 48 - 120 | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| 2-Fluorophenol       | 67        |           | 35 - 120 | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Nitrobenzene-d5      | 80        |           | 46 - 120 | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| Phenol-d5            | 47        |           | 22 - 120 | 06/03/19 15:49 | 06/10/19 20:12 | 1       |
| p-Terphenyl-d14      | 70        |           | 59 - 136 | 06/03/19 15:49 | 06/10/19 20:12 | 1       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte  | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline | ND     |           | 0.20 | 0.20 | mg/L |   | 06/03/19 15:58 | 06/04/19 19:16 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

Client Sample ID: LMW-02

Lab Sample ID: 480-154306-3

Date Collected: 05/29/19 14:20

Matrix: Water

Date Received: 05/29/19 15:13

## Method: 310.13 - Identification of Routine Petroleum Products (Continued)

| Analyte              | Result      | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|-------------|-----------|------|------|------|---|----------------|----------------|---------|
| Kerosene             | ND          |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 19:16 | 1       |
| <b>Motor Oil</b>     | <b>0.49</b> |           | 0.40 | 0.40 | mg/L |   | 06/03/19 15:58 | 06/04/19 19:16 | 1       |
| Fuel Oil #2          | ND          |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 19:16 | 1       |
| Fuel Oil #4          | ND          |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 19:16 | 1       |
| Fuel Oil #6          | ND          |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 19:16 | 1       |
| Unknown Hydrocarbons | ND          |           | 0.20 | 0.20 | mg/L |   | 06/03/19 15:58 | 06/04/19 19:16 | 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 |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| 4,4'-DDE               | ND               |                  | 0.050         | 0.012  | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| 4,4'-DDT               | ND               |                  | 0.050         | 0.011  | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| Aldrin                 | ND               |                  | 0.050         | 0.0081 | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| alpha-BHC              | ND               |                  | 0.050         | 0.0077 | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| cis-Chlordane          | ND               |                  | 0.050         | 0.015  | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| beta-BHC               | ND               |                  | 0.050         | 0.025  | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| delta-BHC              | ND               |                  | 0.050         | 0.010  | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| Dieldrin               | ND               |                  | 0.050         | 0.0098 | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| Endosulfan I           | ND               |                  | 0.050         | 0.011  | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| Endosulfan II          | ND               |                  | 0.050         | 0.012  | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| Endosulfan sulfate     | ND               |                  | 0.050         | 0.016  | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| Endrin                 | ND               |                  | 0.050         | 0.014  | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| Endrin aldehyde        | ND               |                  | 0.050         | 0.016  | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| Endrin ketone          | ND               |                  | 0.050         | 0.012  | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| gamma-BHC (Lindane)    | ND               |                  | 0.050         | 0.0080 | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| trans-Chlordane        | ND               |                  | 0.050         | 0.011  | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| Heptachlor             | ND               |                  | 0.050         | 0.0085 | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| Heptachlor epoxide     | ND               |                  | 0.050         | 0.0074 | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| Methoxychlor           | ND               |                  | 0.050         | 0.014  | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| Toxaphene              | ND               |                  | 0.50          | 0.12   | ug/L |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| <b>Surrogate</b>       | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |        |      |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| DCB Decachlorobiphenyl | 27               |                  | 20 - 120      |        |      |   | 06/04/19 07:53  | 06/05/19 13:25  | 1              |
| Tetrachloro-m-xylene   | 68               |                  | 44 - 120      |        |      |   | 06/04/19 07:53  | 06/05/19 13:25  | 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 |   | 06/04/19 08:00  | 06/04/19 18:57  | 1              |
| PCB-1221               | ND               |                  | 0.50          | 0.18 | ug/L |   | 06/04/19 08:00  | 06/04/19 18:57  | 1              |
| PCB-1232               | ND               |                  | 0.50          | 0.18 | ug/L |   | 06/04/19 08:00  | 06/04/19 18:57  | 1              |
| PCB-1242               | ND               |                  | 0.50          | 0.18 | ug/L |   | 06/04/19 08:00  | 06/04/19 18:57  | 1              |
| PCB-1248               | ND               |                  | 0.50          | 0.18 | ug/L |   | 06/04/19 08:00  | 06/04/19 18:57  | 1              |
| PCB-1254               | ND               |                  | 0.50          | 0.25 | ug/L |   | 06/04/19 08:00  | 06/04/19 18:57  | 1              |
| PCB-1260               | ND               |                  | 0.50          | 0.25 | ug/L |   | 06/04/19 08:00  | 06/04/19 18:57  | 1              |
| PCB-1262               | ND               |                  | 0.50          | 0.25 | ug/L |   | 06/04/19 08:00  | 06/04/19 18:57  | 1              |
| PCB-1268               | ND               |                  | 0.50          | 0.25 | ug/L |   | 06/04/19 08:00  | 06/04/19 18:57  | 1              |
| <b>Surrogate</b>       | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |      |      |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| Tetrachloro-m-xylene   | 84               |                  | 39 - 121      |      |      |   | 06/04/19 08:00  | 06/04/19 18:57  | 1              |
| DCB Decachlorobiphenyl | 35               |                  | 19 - 120      |      |      |   | 06/04/19 08:00  | 06/04/19 18:57  | 1              |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154306-1

Client Sample ID: LMW-02

Lab Sample ID: 480-154306-3

Date Collected: 05/29/19 14:20

Matrix: Water

Date Received: 05/29/19 15:13

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Barium    | 0.028  |           | 0.0020 | 0.00070 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Calcium   | 92.1   |           | 0.50   | 0.10    | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Iron      | 0.28   | B         | 0.050  | 0.019   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Magnesium | 10.7   |           | 0.20   | 0.043   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Manganese | 0.077  | B         | 0.0030 | 0.00040 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Nickel    | 0.0078 | J         | 0.010  | 0.0013  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Potassium | 3.5    |           | 0.50   | 0.10    | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Sodium    | 60.6   |           | 1.0    | 0.32    | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:52 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 06/04/19 11:31 | 06/04/19 14:25 | 1       |

# Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID     | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                 |
|-------------------|------------------------|------------------------------------------------|-----------------|------------------|-----------------|
|                   |                        | DCA<br>(77-120)                                | BFB<br>(73-120) | DBFM<br>(75-123) | TOL<br>(80-120) |
| 480-154306-2      | LMW-03                 | 98                                             | 108             | 94               | 107             |
| 480-154306-2 MS   | LMW-03                 | 99                                             | 107             | 97               | 105             |
| 480-154306-2 MSD  | LMW-03                 | 100                                            | 107             | 96               | 105             |
| 480-154306-3      | LMW-02                 | 96                                             | 105             | 95               | 101             |
| 480-154306-3 - DL | LMW-02                 | 98                                             | 90              | 96               | 91              |
| 480-154306-3 MS   | LMW-02                 | 100                                            | 92              | 99               | 91              |
| 480-154306-3 MSD  | LMW-02                 | 107                                            | 91              | 98               | 93              |
| LCS 480-475879/5  | Lab Control Sample     | 99                                             | 107             | 95               | 105             |
| LCS 480-476003/5  | Lab Control Sample     | 102                                            | 94              | 96               | 94              |
| LCSD 480-476003/6 | Lab Control Sample Dup | 102                                            | 94              | 97               | 93              |
| MB 480-475879/7   | Method Blank           | 96                                             | 104             | 94               | 102             |
| MB 480-476003/8   | Method Blank           | 102                                            | 92              | 93               | 91              |

**Surrogate Legend**

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane (Surr)  
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                 |                 |                    |
|--------------------|--------------------|------------------------------------------------|-----------------|-----------------|-----------------|-----------------|--------------------|
|                    |                    | TBP<br>(41-120)                                | FBP<br>(48-120) | 2FP<br>(35-120) | NBZ<br>(46-120) | PHL<br>(22-120) | TPHD14<br>(59-136) |
| 480-154306-1       | MW-01-10           | 91                                             | 94              | 63              | 84              | 45              | 88                 |
| 480-154306-2       | LMW-03             | 98                                             | 97              | 67              | 86              | 46              | 76                 |
| 480-154306-2 MS    | LMW-03             | 119                                            | 91              | 68              | 81              | 54              | 70                 |
| 480-154306-2 MSD   | LMW-03             | 132 X                                          | 99              | 74              | 87              | 62              | 83                 |
| 480-154306-3       | LMW-02             | 99                                             | 91              | 67              | 80              | 47              | 70                 |
| LCS 480-475921/2-A | Lab Control Sample | 105                                            | 93              | 70              | 86              | 58              | 98                 |
| MB 480-475921/1-A  | Method Blank       | 79                                             | 80              | 57              | 73              | 44              | 92                 |

**Surrogate Legend**

TBP = 2,4,6-Tribromophenol  
FBP = 2-Fluorobiphenyl  
2FP = 2-Fluorophenol  
NBZ = Nitrobenzene-d5  
PHL = Phenol-d5  
TPHD14 = p-Terphenyl-d14

## Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID    | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |                  |
|------------------|------------------|------------------------------------------------|------------------|
|                  |                  | DCBP1<br>(20-120)                              | TCX1<br>(44-120) |
| 480-154306-1     | MW-01-10         | 47                                             | 87               |
| 480-154306-2     | LMW-03           | 34                                             | 85               |
| 480-154306-2 MS  | LMW-03           | 33                                             | 77               |
| 480-154306-2 MSD | LMW-03           | 32                                             | 78               |

Eurofins TestAmerica, Buffalo

## Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154306-1

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

Matrix: Water

Prep Type: Total/NA

|                               |                    | Percent Surrogate Recovery (Acceptance Limits) |                  |
|-------------------------------|--------------------|------------------------------------------------|------------------|
| Lab Sample ID                 | Client Sample ID   | DCBP1<br>(20-120)                              | TCX1<br>(44-120) |
| 480-154306-3                  | LMW-02             | 27                                             | 68               |
| LCS 480-475990/2-A            | Lab Control Sample | 27                                             | 77               |
| MB 480-475990/1-A             | Method Blank       | 40                                             | 75               |
| <b>Surrogate Legend</b>       |                    |                                                |                  |
| DCBP = DCB Decachlorobiphenyl |                    |                                                |                  |
| TCX = Tetrachloro-m-xylene    |                    |                                                |                  |

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

Matrix: Water

Prep Type: Total/NA

|                               |                    | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------------|--------------------|------------------------------------------------|-------------------|
| Lab Sample ID                 | Client Sample ID   | TCX1<br>(39-121)                               | DCBP1<br>(19-120) |
| 480-154306-1                  | MW-01-10           | 82                                             | 42                |
| 480-154306-2                  | LMW-03             | 78                                             | 37                |
| 480-154306-2 MS               | LMW-03             | 74                                             | 38                |
| 480-154306-2 MSD              | LMW-03             | 75                                             | 38                |
| 480-154306-3                  | LMW-02             | 84                                             | 35                |
| LCS 480-475992/2-A            | Lab Control Sample | 59                                             | 36                |
| MB 480-475992/1-A             | Method Blank       | 66                                             | 42                |
| <b>Surrogate Legend</b>       |                    |                                                |                   |
| TCX = Tetrachloro-m-xylene    |                    |                                                |                   |
| DCBP = DCB Decachlorobiphenyl |                    |                                                |                   |



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: MB 480-475879/7

Matrix: Water

Analysis Batch: 475879

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 |   |          | 06/03/19 23:46 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 1.0 | 0.21 | ug/L |   |          | 06/03/19 23:46 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 1.0 | 0.31 | ug/L |   |          | 06/03/19 23:46 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 1.0 | 0.23 | ug/L |   |          | 06/03/19 23:46 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 1.0 | 0.38 | ug/L |   |          | 06/03/19 23:46 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 1.0 | 0.29 | ug/L |   |          | 06/03/19 23:46 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 1.0 | 0.41 | ug/L |   |          | 06/03/19 23:46 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0 | 0.39 | ug/L |   |          | 06/03/19 23:46 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 1.0 | 0.73 | ug/L |   |          | 06/03/19 23:46 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 1.0 | 0.79 | ug/L |   |          | 06/03/19 23:46 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 1.0 | 0.21 | ug/L |   |          | 06/03/19 23:46 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 1.0 | 0.72 | ug/L |   |          | 06/03/19 23:46 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 1.0 | 0.78 | ug/L |   |          | 06/03/19 23:46 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 1.0 | 0.84 | ug/L |   |          | 06/03/19 23:46 | 1       |
| 2-Butanone (MEK)                      | ND        |              | 10  | 1.3  | ug/L |   |          | 06/03/19 23:46 | 1       |
| 2-Hexanone                            | ND        |              | 5.0 | 1.2  | ug/L |   |          | 06/03/19 23:46 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND        |              | 5.0 | 2.1  | ug/L |   |          | 06/03/19 23:46 | 1       |
| Acetone                               | ND        |              | 10  | 3.0  | ug/L |   |          | 06/03/19 23:46 | 1       |
| Benzene                               | ND        |              | 1.0 | 0.41 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Bromodichloromethane                  | ND        |              | 1.0 | 0.39 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Bromoform                             | ND        |              | 1.0 | 0.26 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Bromomethane                          | ND        |              | 1.0 | 0.69 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Carbon disulfide                      | 0.204     | J            | 1.0 | 0.19 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Carbon tetrachloride                  | ND        |              | 1.0 | 0.27 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Chlorobenzene                         | ND        |              | 1.0 | 0.75 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Chloroethane                          | ND        |              | 1.0 | 0.32 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Chloroform                            | ND        |              | 1.0 | 0.34 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Chloromethane                         | ND        |              | 1.0 | 0.35 | ug/L |   |          | 06/03/19 23:46 | 1       |
| cis-1,2-Dichloroethene                | ND        |              | 1.0 | 0.81 | ug/L |   |          | 06/03/19 23:46 | 1       |
| cis-1,3-Dichloropropene               | ND        |              | 1.0 | 0.36 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Cyclohexane                           | ND        |              | 1.0 | 0.18 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Dibromochloromethane                  | ND        |              | 1.0 | 0.32 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Dichlorodifluoromethane               | ND        |              | 1.0 | 0.68 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Ethylbenzene                          | ND        |              | 1.0 | 0.74 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Isopropylbenzene                      | ND        |              | 1.0 | 0.79 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Methyl acetate                        | ND        |              | 2.5 | 1.3  | ug/L |   |          | 06/03/19 23:46 | 1       |
| Methyl tert-butyl ether               | ND        |              | 1.0 | 0.16 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Methylcyclohexane                     | ND        |              | 1.0 | 0.16 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Methylene Chloride                    | ND        |              | 1.0 | 0.44 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Styrene                               | ND        |              | 1.0 | 0.73 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Tetrachloroethene                     | ND        |              | 1.0 | 0.36 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Toluene                               | ND        |              | 1.0 | 0.51 | ug/L |   |          | 06/03/19 23:46 | 1       |
| trans-1,2-Dichloroethene              | ND        |              | 1.0 | 0.90 | ug/L |   |          | 06/03/19 23:46 | 1       |
| trans-1,3-Dichloropropene             | ND        |              | 1.0 | 0.37 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Trichloroethene                       | ND        |              | 1.0 | 0.46 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Trichlorofluoromethane                | ND        |              | 1.0 | 0.88 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Vinyl chloride                        | ND        |              | 1.0 | 0.90 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Xylenes, Total                        | ND        |              | 2.0 | 0.66 | ug/L |   |          | 06/03/19 23:46 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: MB 480-475879/7

Matrix: Water

Analysis Batch: 475879

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                      | MB<br>Result    | MB<br>Qualifier | RL       | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------------|-----------------|----------|-----|------|---|----------|----------------|---------|
| t-Butyl alcohol              | ND              |                 | 10       | 3.3 | ug/L |   |          | 06/03/19 23:46 | 1       |
| Surrogate                    | MB<br>%Recovery | MB<br>Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 96              |                 | 77 - 120 |     |      |   |          | 06/03/19 23:46 | 1       |
| 4-Bromofluorobenzene (Surr)  | 104             |                 | 73 - 120 |     |      |   |          | 06/03/19 23:46 | 1       |
| Dibromofluoromethane (Surr)  | 94              |                 | 75 - 123 |     |      |   |          | 06/03/19 23:46 | 1       |
| Toluene-d8 (Surr)            | 102             |                 | 80 - 120 |     |      |   |          | 06/03/19 23:46 | 1       |

Lab Sample ID: LCS 480-475879/5

Matrix: Water

Analysis Batch: 475879

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------------------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 1,1,1-Trichloroethane                 | 25.0           | 25.3          |                  | ug/L |   | 101  | 73 - 126        |
| 1,1,2,2-Tetrachloroethane             | 25.0           | 24.2          |                  | ug/L |   | 97   | 76 - 120        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0           | 26.7          |                  | ug/L |   | 107  | 61 - 148        |
| 1,1,2-Trichloroethane                 | 25.0           | 26.3          |                  | ug/L |   | 105  | 76 - 122        |
| 1,1-Dichloroethane                    | 25.0           | 24.1          |                  | ug/L |   | 96   | 77 - 120        |
| 1,1-Dichloroethene                    | 25.0           | 24.6          |                  | ug/L |   | 98   | 66 - 127        |
| 1,2,4-Trichlorobenzene                | 25.0           | 25.2          |                  | ug/L |   | 101  | 79 - 122        |
| 1,2-Dibromo-3-Chloropropane           | 25.0           | 18.5          |                  | ug/L |   | 74   | 56 - 134        |
| 1,2-Dibromoethane                     | 25.0           | 28.0          |                  | ug/L |   | 112  | 77 - 120        |
| 1,2-Dichlorobenzene                   | 25.0           | 25.6          |                  | ug/L |   | 102  | 80 - 124        |
| 1,2-Dichloroethane                    | 25.0           | 25.2          |                  | ug/L |   | 101  | 75 - 120        |
| 1,2-Dichloropropane                   | 25.0           | 26.5          |                  | ug/L |   | 106  | 76 - 120        |
| 1,3-Dichlorobenzene                   | 25.0           | 26.7          |                  | ug/L |   | 107  | 77 - 120        |
| 1,4-Dichlorobenzene                   | 25.0           | 27.2          |                  | ug/L |   | 109  | 80 - 120        |
| 2-Butanone (MEK)                      | 125            | 128           |                  | ug/L |   | 102  | 57 - 140        |
| 2-Hexanone                            | 125            | 124           |                  | ug/L |   | 99   | 65 - 127        |
| 4-Methyl-2-pentanone (MIBK)           | 125            | 121           |                  | ug/L |   | 97   | 71 - 125        |
| Acetone                               | 125            | 116           |                  | ug/L |   | 92   | 56 - 142        |
| Benzene                               | 25.0           | 26.2          |                  | ug/L |   | 105  | 71 - 124        |
| Bromodichloromethane                  | 25.0           | 25.0          |                  | ug/L |   | 100  | 80 - 122        |
| Bromoform                             | 25.0           | 20.1          |                  | ug/L |   | 80   | 61 - 132        |
| Bromomethane                          | 25.0           | 23.9          |                  | ug/L |   | 95   | 55 - 144        |
| Carbon disulfide                      | 25.0           | 24.1          |                  | ug/L |   | 96   | 59 - 134        |
| Carbon tetrachloride                  | 25.0           | 24.4          |                  | ug/L |   | 98   | 72 - 134        |
| Chlorobenzene                         | 25.0           | 27.6          |                  | ug/L |   | 110  | 80 - 120        |
| Chloroethane                          | 25.0           | 23.9          |                  | ug/L |   | 96   | 69 - 136        |
| Chloroform                            | 25.0           | 24.7          |                  | ug/L |   | 99   | 73 - 127        |
| Chloromethane                         | 25.0           | 23.9          |                  | ug/L |   | 96   | 68 - 124        |
| cis-1,2-Dichloroethene                | 25.0           | 23.9          |                  | ug/L |   | 95   | 74 - 124        |
| cis-1,3-Dichloropropene               | 25.0           | 26.7          |                  | ug/L |   | 107  | 74 - 124        |
| Cyclohexane                           | 25.0           | 25.2          |                  | ug/L |   | 101  | 59 - 135        |
| Dibromochloromethane                  | 25.0           | 24.0          |                  | ug/L |   | 96   | 75 - 125        |
| Dichlorodifluoromethane               | 25.0           | 24.8          |                  | ug/L |   | 99   | 59 - 135        |
| Ethylbenzene                          | 25.0           | 26.9          |                  | ug/L |   | 108  | 77 - 123        |
| Isopropylbenzene                      | 25.0           | 26.9          |                  | ug/L |   | 107  | 77 - 122        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: LCS 480-475879/5

Matrix: Water

Analysis Batch: 475879

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Methyl acetate            | 50.0        | 46.1       |               | ug/L |   | 92   | 74 - 133     |
| Methyl tert-butyl ether   | 25.0        | 23.0       |               | ug/L |   | 92   | 77 - 120     |
| Methylcyclohexane         | 25.0        | 26.4       |               | ug/L |   | 106  | 68 - 134     |
| Methylene Chloride        | 25.0        | 24.1       |               | ug/L |   | 96   | 75 - 124     |
| Styrene                   | 25.0        | 26.3       |               | ug/L |   | 105  | 80 - 120     |
| Tetrachloroethene         | 25.0        | 30.4       |               | ug/L |   | 122  | 74 - 122     |
| Toluene                   | 25.0        | 27.8       |               | ug/L |   | 111  | 80 - 122     |
| trans-1,2-Dichloroethene  | 25.0        | 24.6       |               | ug/L |   | 98   | 73 - 127     |
| trans-1,3-Dichloropropene | 25.0        | 26.6       |               | ug/L |   | 107  | 80 - 120     |
| Trichloroethene           | 25.0        | 26.7       |               | ug/L |   | 107  | 74 - 123     |
| Trichlorofluoromethane    | 25.0        | 27.1       |               | ug/L |   | 108  | 62 - 150     |
| Vinyl chloride            | 25.0        | 24.0       |               | ug/L |   | 96   | 65 - 133     |
| t-Butyl alcohol           | 250         | 216        |               | ug/L |   | 86   | 75 - 125     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 99            |               | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 107           |               | 73 - 120 |
| Dibromofluoromethane (Surr)  | 95            |               | 75 - 123 |
| Toluene-d8 (Surr)            | 105           |               | 80 - 120 |

Lab Sample ID: 480-154306-2 MS

Matrix: Water

Analysis Batch: 475879

Client Sample ID: LMW-03

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,1,1-Trichloroethane                 | 2.6           |                  | 25.0        | 27.4      |              | ug/L |   | 99   | 73 - 126     |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 25.0        | 25.6      |              | ug/L |   | 103  | 76 - 120     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 25.0        | 24.7      |              | ug/L |   | 99   | 61 - 148     |
| 1,1,2-Trichloroethane                 | ND            |                  | 25.0        | 29.1      |              | ug/L |   | 116  | 76 - 122     |
| 1,1-Dichloroethane                    | 2.0           |                  | 25.0        | 27.0      |              | ug/L |   | 100  | 77 - 120     |
| 1,1-Dichloroethene                    | ND            |                  | 25.0        | 24.1      |              | ug/L |   | 96   | 66 - 127     |
| 1,2,4-Trichlorobenzene                | ND            |                  | 25.0        | 25.8      |              | ug/L |   | 103  | 79 - 122     |
| 1,2-Dibromo-3-Chloropropane           | ND            |                  | 25.0        | 19.8      |              | ug/L |   | 79   | 56 - 134     |
| 1,2-Dibromoethane                     | ND            |                  | 25.0        | 28.7      |              | ug/L |   | 115  | 77 - 120     |
| 1,2-Dichlorobenzene                   | ND            |                  | 25.0        | 26.1      |              | ug/L |   | 104  | 80 - 124     |
| 1,2-Dichloroethane                    | ND            |                  | 25.0        | 27.1      |              | ug/L |   | 109  | 75 - 120     |
| 1,2-Dichloropropane                   | ND            |                  | 25.0        | 28.7      |              | ug/L |   | 115  | 76 - 120     |
| 1,3-Dichlorobenzene                   | ND            |                  | 25.0        | 27.2      |              | ug/L |   | 109  | 77 - 120     |
| 1,4-Dichlorobenzene                   | ND            |                  | 25.0        | 27.3      |              | ug/L |   | 109  | 78 - 124     |
| 2-Butanone (MEK)                      | ND            |                  | 125         | 137       |              | ug/L |   | 110  | 57 - 140     |
| 2-Hexanone                            | ND            |                  | 125         | 141       |              | ug/L |   | 113  | 65 - 127     |
| 4-Methyl-2-pentanone (MIBK)           | ND            |                  | 125         | 130       |              | ug/L |   | 104  | 71 - 125     |
| Acetone                               | ND            |                  | 125         | 116       |              | ug/L |   | 92   | 56 - 142     |
| Benzene                               | ND            |                  | 25.0        | 28.3      |              | ug/L |   | 113  | 71 - 124     |
| Bromodichloromethane                  | ND            |                  | 25.0        | 26.3      |              | ug/L |   | 105  | 80 - 122     |
| Bromoform                             | ND            |                  | 25.0        | 19.9      |              | ug/L |   | 80   | 61 - 132     |
| Bromomethane                          | ND            |                  | 25.0        | 23.9      |              | ug/L |   | 96   | 55 - 144     |
| Carbon disulfide                      | ND            |                  | 25.0        | 23.1      |              | ug/L |   | 92   | 59 - 134     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: 480-154306-2 MS

Matrix: Water

Analysis Batch: 475879

Client Sample ID: LMW-03

Prep Type: Total/NA

| Analyte                   | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Carbon tetrachloride      | ND            |                  | 25.0        | 24.2      |              | ug/L |   | 97   | 72 - 134     |
| Chlorobenzene             | ND            |                  | 25.0        | 28.6      |              | ug/L |   | 114  | 80 - 120     |
| Chloroethane              | ND            |                  | 25.0        | 23.7      |              | ug/L |   | 95   | 69 - 136     |
| Chloroform                | ND            |                  | 25.0        | 25.9      |              | ug/L |   | 104  | 73 - 127     |
| Chloromethane             | ND            |                  | 25.0        | 23.1      |              | ug/L |   | 92   | 68 - 124     |
| cis-1,2-Dichloroethene    | 16            |                  | 25.0        | 44.8      |              | ug/L |   | 115  | 74 - 124     |
| cis-1,3-Dichloropropene   | ND            |                  | 25.0        | 27.0      |              | ug/L |   | 108  | 74 - 124     |
| Cyclohexane               | ND            |                  | 25.0        | 24.1      |              | ug/L |   | 96   | 59 - 135     |
| Dibromochloromethane      | ND            |                  | 25.0        | 24.3      |              | ug/L |   | 97   | 75 - 125     |
| Dichlorodifluoromethane   | ND            |                  | 25.0        | 23.1      |              | ug/L |   | 92   | 59 - 135     |
| Ethylbenzene              | ND            |                  | 25.0        | 27.4      |              | ug/L |   | 110  | 77 - 123     |
| Isopropylbenzene          | ND            |                  | 25.0        | 26.4      |              | ug/L |   | 106  | 77 - 122     |
| Methyl acetate            | ND            |                  | 50.0        | 45.4      |              | ug/L |   | 91   | 74 - 133     |
| Methyl tert-butyl ether   | ND            |                  | 25.0        | 23.6      |              | ug/L |   | 94   | 77 - 120     |
| Methylcyclohexane         | ND            |                  | 25.0        | 24.5      |              | ug/L |   | 98   | 68 - 134     |
| Methylene Chloride        | ND            |                  | 25.0        | 26.1      |              | ug/L |   | 104  | 75 - 124     |
| Styrene                   | ND            |                  | 25.0        | 28.2      |              | ug/L |   | 113  | 80 - 120     |
| Tetrachloroethene         | ND            |                  | 25.0        | 29.1      |              | ug/L |   | 116  | 74 - 122     |
| Toluene                   | 1.1           |                  | 25.0        | 28.6      |              | ug/L |   | 110  | 80 - 122     |
| trans-1,2-Dichloroethene  | ND            |                  | 25.0        | 25.5      |              | ug/L |   | 102  | 73 - 127     |
| trans-1,3-Dichloropropene | ND            |                  | 25.0        | 26.7      |              | ug/L |   | 107  | 80 - 120     |
| Trichloroethene           | 27            | F1               | 25.0        | 58.0      | F1           | ug/L |   | 125  | 74 - 123     |
| Trichlorofluoromethane    | ND            |                  | 25.0        | 26.2      |              | ug/L |   | 105  | 62 - 150     |
| Vinyl chloride            | ND            |                  | 25.0        | 23.1      |              | ug/L |   | 93   | 65 - 133     |
| t-Butyl alcohol           | ND            |                  | 250         | 205       |              | ug/L |   | 82   | 75 - 125     |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 99           |              | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 107          |              | 73 - 120 |
| Dibromofluoromethane (Surr)  | 97           |              | 75 - 123 |
| Toluene-d8 (Surr)            | 105          |              | 80 - 120 |

Lab Sample ID: 480-154306-2 MSD

Matrix: Water

Analysis Batch: 475879

Client Sample ID: LMW-03

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,1,1-Trichloroethane                 | 2.6           |                  | 25.0        | 26.8       |               | ug/L |   | 97   | 73 - 126     | 2   | 15        |
| 1,1,1,2-Tetrachloroethane             | ND            |                  | 25.0        | 25.0       |               | ug/L |   | 100  | 76 - 120     | 2   | 15        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 25.0        | 20.7       |               | ug/L |   | 83   | 61 - 148     | 18  | 20        |
| 1,1,2-Trichloroethane                 | ND            |                  | 25.0        | 28.3       |               | ug/L |   | 113  | 76 - 122     | 3   | 15        |
| 1,1-Dichloroethane                    | 2.0           |                  | 25.0        | 26.5       |               | ug/L |   | 98   | 77 - 120     | 2   | 20        |
| 1,1-Dichloroethene                    | ND            |                  | 25.0        | 24.2       |               | ug/L |   | 97   | 66 - 127     | 1   | 16        |
| 1,2,4-Trichlorobenzene                | ND            |                  | 25.0        | 25.9       |               | ug/L |   | 104  | 79 - 122     | 0   | 20        |
| 1,2-Dibromo-3-Chloropropane           | ND            |                  | 25.0        | 19.6       |               | ug/L |   | 79   | 56 - 134     | 1   | 15        |
| 1,2-Dibromoethane                     | ND            |                  | 25.0        | 28.7       |               | ug/L |   | 115  | 77 - 120     | 0   | 15        |
| 1,2-Dichlorobenzene                   | ND            |                  | 25.0        | 25.7       |               | ug/L |   | 103  | 80 - 124     | 2   | 20        |
| 1,2-Dichloroethane                    | ND            |                  | 25.0        | 26.6       |               | ug/L |   | 106  | 75 - 120     | 2   | 20        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: 480-154306-2 MSD

Matrix: Water

Analysis Batch: 475879

Client Sample ID: LMW-03

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,2-Dichloropropane         | ND            |                  | 25.0        | 27.5       |               | ug/L |   | 110  | 76 - 120     | 4   | 20        |
| 1,3-Dichlorobenzene         | ND            |                  | 25.0        | 26.8       |               | ug/L |   | 107  | 77 - 120     | 1   | 20        |
| 1,4-Dichlorobenzene         | ND            |                  | 25.0        | 26.5       |               | ug/L |   | 106  | 78 - 124     | 3   | 20        |
| 2-Butanone (MEK)            | ND            |                  | 125         | 132        |               | ug/L |   | 106  | 57 - 140     | 4   | 20        |
| 2-Hexanone                  | ND            |                  | 125         | 127        |               | ug/L |   | 102  | 65 - 127     | 10  | 15        |
| 4-Methyl-2-pentanone (MIBK) | ND            |                  | 125         | 126        |               | ug/L |   | 101  | 71 - 125     | 3   | 35        |
| Acetone                     | ND            |                  | 125         | 115        |               | ug/L |   | 92   | 56 - 142     | 0   | 15        |
| Benzene                     | ND            |                  | 25.0        | 27.3       |               | ug/L |   | 109  | 71 - 124     | 3   | 13        |
| Bromodichloromethane        | ND            |                  | 25.0        | 25.5       |               | ug/L |   | 102  | 80 - 122     | 3   | 15        |
| Bromoform                   | ND            |                  | 25.0        | 20.6       |               | ug/L |   | 82   | 61 - 132     | 3   | 15        |
| Bromomethane                | ND            |                  | 25.0        | 23.7       |               | ug/L |   | 95   | 55 - 144     | 1   | 15        |
| Carbon disulfide            | ND            |                  | 25.0        | 22.6       |               | ug/L |   | 90   | 59 - 134     | 2   | 15        |
| Carbon tetrachloride        | ND            |                  | 25.0        | 23.0       |               | ug/L |   | 92   | 72 - 134     | 5   | 15        |
| Chlorobenzene               | ND            |                  | 25.0        | 28.2       |               | ug/L |   | 113  | 80 - 120     | 1   | 25        |
| Chloroethane                | ND            |                  | 25.0        | 22.6       |               | ug/L |   | 90   | 69 - 136     | 5   | 15        |
| Chloroform                  | ND            |                  | 25.0        | 25.1       |               | ug/L |   | 100  | 73 - 127     | 3   | 20        |
| Chloromethane               | ND            |                  | 25.0        | 23.1       |               | ug/L |   | 92   | 68 - 124     | 0   | 15        |
| cis-1,2-Dichloroethene      | 16            |                  | 25.0        | 44.1       |               | ug/L |   | 113  | 74 - 124     | 2   | 15        |
| cis-1,3-Dichloropropene     | ND            |                  | 25.0        | 26.1       |               | ug/L |   | 104  | 74 - 124     | 4   | 15        |
| Cyclohexane                 | ND            |                  | 25.0        | 21.3       |               | ug/L |   | 85   | 59 - 135     | 12  | 20        |
| Dibromochloromethane        | ND            |                  | 25.0        | 23.9       |               | ug/L |   | 96   | 75 - 125     | 2   | 15        |
| Dichlorodifluoromethane     | ND            |                  | 25.0        | 19.1       |               | ug/L |   | 77   | 59 - 135     | 19  | 20        |
| Ethylbenzene                | ND            |                  | 25.0        | 27.0       |               | ug/L |   | 108  | 77 - 123     | 2   | 15        |
| Isopropylbenzene            | ND            |                  | 25.0        | 26.7       |               | ug/L |   | 107  | 77 - 122     | 1   | 20        |
| Methyl acetate              | ND            |                  | 50.0        | 45.4       |               | ug/L |   | 91   | 74 - 133     | 0   | 20        |
| Methyl tert-butyl ether     | ND            |                  | 25.0        | 23.7       |               | ug/L |   | 95   | 77 - 120     | 0   | 37        |
| Methylcyclohexane           | ND            |                  | 25.0        | 20.9       |               | ug/L |   | 84   | 68 - 134     | 16  | 20        |
| Methylene Chloride          | ND            |                  | 25.0        | 26.1       |               | ug/L |   | 104  | 75 - 124     | 0   | 15        |
| Styrene                     | ND            |                  | 25.0        | 27.1       |               | ug/L |   | 109  | 80 - 120     | 4   | 20        |
| Tetrachloroethene           | ND            |                  | 25.0        | 28.2       |               | ug/L |   | 113  | 74 - 122     | 3   | 20        |
| Toluene                     | 1.1           |                  | 25.0        | 27.8       |               | ug/L |   | 107  | 80 - 122     | 3   | 15        |
| trans-1,2-Dichloroethene    | ND            |                  | 25.0        | 25.5       |               | ug/L |   | 102  | 73 - 127     | 0   | 20        |
| trans-1,3-Dichloropropene   | ND            |                  | 25.0        | 26.3       |               | ug/L |   | 105  | 80 - 120     | 2   | 15        |
| Trichloroethene             | 27            | F1               | 25.0        | 56.5       |               | ug/L |   | 119  | 74 - 123     | 3   | 16        |
| Trichlorofluoromethane      | ND            |                  | 25.0        | 23.9       |               | ug/L |   | 95   | 62 - 150     | 9   | 20        |
| Vinyl chloride              | ND            |                  | 25.0        | 23.3       |               | ug/L |   | 93   | 65 - 133     | 1   | 15        |
| t-Butyl alcohol             | ND            |                  | 250         | 211        |               | ug/L |   | 85   | 75 - 125     | 3   | 15        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 100           |               | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 107           |               | 73 - 120 |
| Dibromofluoromethane (Surr)  | 96            |               | 75 - 123 |
| Toluene-d8 (Surr)            | 105           |               | 80 - 120 |

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: MB 480-476003/8

Matrix: Water

Analysis Batch: 476003

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB<br>Result | MB<br>Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------------|-----------------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND           |                 | 1.0 | 0.82 | ug/L |   |          | 06/04/19 12:22 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND           |                 | 1.0 | 0.21 | ug/L |   |          | 06/04/19 12:22 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND           |                 | 1.0 | 0.31 | ug/L |   |          | 06/04/19 12:22 | 1       |
| 1,1,2-Trichloroethane                 | ND           |                 | 1.0 | 0.23 | ug/L |   |          | 06/04/19 12:22 | 1       |
| 1,1-Dichloroethane                    | ND           |                 | 1.0 | 0.38 | ug/L |   |          | 06/04/19 12:22 | 1       |
| 1,1-Dichloroethene                    | ND           |                 | 1.0 | 0.29 | ug/L |   |          | 06/04/19 12:22 | 1       |
| 1,2,4-Trichlorobenzene                | ND           |                 | 1.0 | 0.41 | ug/L |   |          | 06/04/19 12:22 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND           |                 | 1.0 | 0.39 | ug/L |   |          | 06/04/19 12:22 | 1       |
| 1,2-Dibromoethane                     | ND           |                 | 1.0 | 0.73 | ug/L |   |          | 06/04/19 12:22 | 1       |
| 1,2-Dichlorobenzene                   | ND           |                 | 1.0 | 0.79 | ug/L |   |          | 06/04/19 12:22 | 1       |
| 1,2-Dichloroethane                    | ND           |                 | 1.0 | 0.21 | ug/L |   |          | 06/04/19 12:22 | 1       |
| 1,2-Dichloropropane                   | ND           |                 | 1.0 | 0.72 | ug/L |   |          | 06/04/19 12:22 | 1       |
| 1,3-Dichlorobenzene                   | ND           |                 | 1.0 | 0.78 | ug/L |   |          | 06/04/19 12:22 | 1       |
| 1,4-Dichlorobenzene                   | ND           |                 | 1.0 | 0.84 | ug/L |   |          | 06/04/19 12:22 | 1       |
| 2-Butanone (MEK)                      | ND           |                 | 10  | 1.3  | ug/L |   |          | 06/04/19 12:22 | 1       |
| 2-Hexanone                            | ND           |                 | 5.0 | 1.2  | ug/L |   |          | 06/04/19 12:22 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND           |                 | 5.0 | 2.1  | ug/L |   |          | 06/04/19 12:22 | 1       |
| Acetone                               | ND           |                 | 10  | 3.0  | ug/L |   |          | 06/04/19 12:22 | 1       |
| Benzene                               | ND           |                 | 1.0 | 0.41 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Bromodichloromethane                  | ND           |                 | 1.0 | 0.39 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Bromoform                             | ND           |                 | 1.0 | 0.26 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Bromomethane                          | ND           |                 | 1.0 | 0.69 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Carbon disulfide                      | ND           |                 | 1.0 | 0.19 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Carbon tetrachloride                  | ND           |                 | 1.0 | 0.27 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Chlorobenzene                         | ND           |                 | 1.0 | 0.75 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Chloroethane                          | ND           |                 | 1.0 | 0.32 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Chloroform                            | ND           |                 | 1.0 | 0.34 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Chloromethane                         | ND           |                 | 1.0 | 0.35 | ug/L |   |          | 06/04/19 12:22 | 1       |
| cis-1,2-Dichloroethene                | ND           |                 | 1.0 | 0.81 | ug/L |   |          | 06/04/19 12:22 | 1       |
| cis-1,3-Dichloropropene               | ND           |                 | 1.0 | 0.36 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Cyclohexane                           | ND           |                 | 1.0 | 0.18 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Dibromochloromethane                  | ND           |                 | 1.0 | 0.32 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Dichlorodifluoromethane               | ND           |                 | 1.0 | 0.68 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Ethylbenzene                          | ND           |                 | 1.0 | 0.74 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Isopropylbenzene                      | ND           |                 | 1.0 | 0.79 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Methyl acetate                        | ND           |                 | 2.5 | 1.3  | ug/L |   |          | 06/04/19 12:22 | 1       |
| Methyl tert-butyl ether               | ND           |                 | 1.0 | 0.16 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Methylcyclohexane                     | ND           |                 | 1.0 | 0.16 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Methylene Chloride                    | ND           |                 | 1.0 | 0.44 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Styrene                               | ND           |                 | 1.0 | 0.73 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Tetrachloroethene                     | ND           |                 | 1.0 | 0.36 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Toluene                               | ND           |                 | 1.0 | 0.51 | ug/L |   |          | 06/04/19 12:22 | 1       |
| trans-1,2-Dichloroethene              | ND           |                 | 1.0 | 0.90 | ug/L |   |          | 06/04/19 12:22 | 1       |
| trans-1,3-Dichloropropene             | ND           |                 | 1.0 | 0.37 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Trichloroethene                       | ND           |                 | 1.0 | 0.46 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Trichlorofluoromethane                | ND           |                 | 1.0 | 0.88 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Vinyl chloride                        | ND           |                 | 1.0 | 0.90 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Xylenes, Total                        | ND           |                 | 2.0 | 0.66 | ug/L |   |          | 06/04/19 12:22 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: MB 480-476003/8

Matrix: Water

Analysis Batch: 476003

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                      | MB<br>Result    | MB<br>Qualifier | RL       | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------------|-----------------|----------|-----|------|---|----------|----------------|---------|
| t-Butyl alcohol              | ND              |                 | 10       | 3.3 | ug/L |   |          | 06/04/19 12:22 | 1       |
| Surrogate                    | MB<br>%Recovery | MB<br>Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 102             |                 | 77 - 120 |     |      |   |          | 06/04/19 12:22 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92              |                 | 73 - 120 |     |      |   |          | 06/04/19 12:22 | 1       |
| Dibromofluoromethane (Surr)  | 93              |                 | 75 - 123 |     |      |   |          | 06/04/19 12:22 | 1       |
| Toluene-d8 (Surr)            | 91              |                 | 80 - 120 |     |      |   |          | 06/04/19 12:22 | 1       |

Lab Sample ID: LCS 480-476003/5

Matrix: Water

Analysis Batch: 476003

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------------------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 1,1,1-Trichloroethane                 | 25.0           | 26.8          |                  | ug/L |   | 107  | 73 - 126        |
| 1,1,2,2-Tetrachloroethane             | 25.0           | 21.8          |                  | ug/L |   | 87   | 76 - 120        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0           | 26.2          |                  | ug/L |   | 105  | 61 - 148        |
| 1,1,2-Trichloroethane                 | 25.0           | 24.8          |                  | ug/L |   | 99   | 76 - 122        |
| 1,1-Dichloroethane                    | 25.0           | 27.2          |                  | ug/L |   | 109  | 77 - 120        |
| 1,1-Dichloroethene                    | 25.0           | 23.4          |                  | ug/L |   | 94   | 66 - 127        |
| 1,2,4-Trichlorobenzene                | 25.0           | 24.2          |                  | ug/L |   | 97   | 79 - 122        |
| 1,2-Dibromo-3-Chloropropane           | 25.0           | 21.1          |                  | ug/L |   | 84   | 56 - 134        |
| 1,2-Dibromoethane                     | 25.0           | 23.9          |                  | ug/L |   | 96   | 77 - 120        |
| 1,2-Dichlorobenzene                   | 25.0           | 23.9          |                  | ug/L |   | 95   | 80 - 124        |
| 1,2-Dichloroethane                    | 25.0           | 25.3          |                  | ug/L |   | 101  | 75 - 120        |
| 1,2-Dichloropropane                   | 25.0           | 27.6          |                  | ug/L |   | 110  | 76 - 120        |
| 1,3-Dichlorobenzene                   | 25.0           | 24.8          |                  | ug/L |   | 99   | 77 - 120        |
| 1,4-Dichlorobenzene                   | 25.0           | 24.2          |                  | ug/L |   | 97   | 80 - 120        |
| 2-Butanone (MEK)                      | 125            | 194 *         |                  | ug/L |   | 155  | 57 - 140        |
| 2-Hexanone                            | 125            | 119           |                  | ug/L |   | 95   | 65 - 127        |
| 4-Methyl-2-pentanone (MIBK)           | 125            | 120           |                  | ug/L |   | 96   | 71 - 125        |
| Acetone                               | 125            | 109           |                  | ug/L |   | 87   | 56 - 142        |
| Benzene                               | 25.0           | 24.8          |                  | ug/L |   | 99   | 71 - 124        |
| Bromodichloromethane                  | 25.0           | 25.9          |                  | ug/L |   | 104  | 80 - 122        |
| Bromoform                             | 25.0           | 25.9          |                  | ug/L |   | 103  | 61 - 132        |
| Bromomethane                          | 25.0           | 23.4          |                  | ug/L |   | 94   | 55 - 144        |
| Carbon disulfide                      | 25.0           | 23.5          |                  | ug/L |   | 94   | 59 - 134        |
| Carbon tetrachloride                  | 25.0           | 28.9          |                  | ug/L |   | 116  | 72 - 134        |
| Chlorobenzene                         | 25.0           | 25.4          |                  | ug/L |   | 101  | 80 - 120        |
| Chloroethane                          | 25.0           | 25.9          |                  | ug/L |   | 104  | 69 - 136        |
| Chloroform                            | 25.0           | 24.3          |                  | ug/L |   | 97   | 73 - 127        |
| Chloromethane                         | 25.0           | 26.2          |                  | ug/L |   | 105  | 68 - 124        |
| cis-1,2-Dichloroethene                | 25.0           | 23.6          |                  | ug/L |   | 95   | 74 - 124        |
| cis-1,3-Dichloropropene               | 25.0           | 25.5          |                  | ug/L |   | 102  | 74 - 124        |
| Cyclohexane                           | 25.0           | 30.1          |                  | ug/L |   | 120  | 59 - 135        |
| Dibromochloromethane                  | 25.0           | 28.7          |                  | ug/L |   | 115  | 75 - 125        |
| Dichlorodifluoromethane               | 25.0           | 24.0          |                  | ug/L |   | 96   | 59 - 135        |
| Ethylbenzene                          | 25.0           | 25.4          |                  | ug/L |   | 101  | 77 - 123        |
| Isopropylbenzene                      | 25.0           | 25.4          |                  | ug/L |   | 102  | 77 - 122        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: LCS 480-476003/5

Matrix: Water

Analysis Batch: 476003

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Methyl acetate            | 50.0        | 43.5       |               | ug/L |   | 87   | 74 - 133     |
| Methyl tert-butyl ether   | 25.0        | 22.8       |               | ug/L |   | 91   | 77 - 120     |
| Methylcyclohexane         | 25.0        | 26.2       |               | ug/L |   | 105  | 68 - 134     |
| Methylene Chloride        | 25.0        | 22.5       |               | ug/L |   | 90   | 75 - 124     |
| Styrene                   | 25.0        | 24.2       |               | ug/L |   | 97   | 80 - 120     |
| Tetrachloroethene         | 25.0        | 27.1       |               | ug/L |   | 108  | 74 - 122     |
| Toluene                   | 25.0        | 25.2       |               | ug/L |   | 101  | 80 - 122     |
| trans-1,2-Dichloroethene  | 25.0        | 24.5       |               | ug/L |   | 98   | 73 - 127     |
| trans-1,3-Dichloropropene | 25.0        | 25.1       |               | ug/L |   | 100  | 80 - 120     |
| Trichloroethene           | 25.0        | 25.7       |               | ug/L |   | 103  | 74 - 123     |
| Trichlorofluoromethane    | 25.0        | 26.0       |               | ug/L |   | 104  | 62 - 150     |
| Vinyl chloride            | 25.0        | 27.4       |               | ug/L |   | 110  | 65 - 133     |
| t-Butyl alcohol           | 250         | 205        |               | ug/L |   | 82   | 75 - 125     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 102           |               | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 94            |               | 73 - 120 |
| Dibromofluoromethane (Surr)  | 96            |               | 75 - 123 |
| Toluene-d8 (Surr)            | 94            |               | 80 - 120 |

Lab Sample ID: LCSD 480-476003/6

Matrix: Water

Analysis Batch: 476003

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                               | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| 1,1,1-Trichloroethane                 | 25.0        | 26.8        |                | ug/L |   | 107  | 73 - 126     | 0   | 15        |
| 1,1,2,2-Tetrachloroethane             | 25.0        | 21.9        |                | ug/L |   | 88   | 76 - 120     | 1   | 15        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0        | 25.7        |                | ug/L |   | 103  | 61 - 148     | 2   | 20        |
| 1,1,2-Trichloroethane                 | 25.0        | 22.9        |                | ug/L |   | 92   | 76 - 122     | 8   | 15        |
| 1,1-Dichloroethane                    | 25.0        | 27.7        |                | ug/L |   | 111  | 77 - 120     | 2   | 20        |
| 1,1-Dichloroethene                    | 25.0        | 22.7        |                | ug/L |   | 91   | 66 - 127     | 3   | 16        |
| 1,2,4-Trichlorobenzene                | 25.0        | 24.1        |                | ug/L |   | 97   | 79 - 122     | 0   | 20        |
| 1,2-Dibromo-3-Chloropropane           | 25.0        | 20.9        |                | ug/L |   | 84   | 56 - 134     | 1   | 15        |
| 1,2-Dibromoethane                     | 25.0        | 24.0        |                | ug/L |   | 96   | 77 - 120     | 0   | 15        |
| 1,2-Dichlorobenzene                   | 25.0        | 23.9        |                | ug/L |   | 96   | 80 - 124     | 0   | 20        |
| 1,2-Dichloroethane                    | 25.0        | 26.1        |                | ug/L |   | 104  | 75 - 120     | 3   | 20        |
| 1,2-Dichloropropane                   | 25.0        | 27.7        |                | ug/L |   | 111  | 76 - 120     | 0   | 20        |
| 1,3-Dichlorobenzene                   | 25.0        | 23.0        |                | ug/L |   | 92   | 77 - 120     | 7   | 20        |
| 1,4-Dichlorobenzene                   | 25.0        | 23.7        |                | ug/L |   | 95   | 80 - 120     | 2   | 20        |
| 2-Butanone (MEK)                      | 125         | 197         | *              | ug/L |   | 158  | 57 - 140     | 2   | 20        |
| 2-Hexanone                            | 125         | 120         |                | ug/L |   | 96   | 65 - 127     | 1   | 15        |
| 4-Methyl-2-pentanone (MIBK)           | 125         | 120         |                | ug/L |   | 96   | 71 - 125     | 0   | 35        |
| Acetone                               | 125         | 108         |                | ug/L |   | 86   | 56 - 142     | 1   | 15        |
| Benzene                               | 25.0        | 25.4        |                | ug/L |   | 101  | 71 - 124     | 2   | 13        |
| Bromodichloromethane                  | 25.0        | 26.3        |                | ug/L |   | 105  | 80 - 122     | 2   | 15        |
| Bromoform                             | 25.0        | 25.6        |                | ug/L |   | 102  | 61 - 132     | 1   | 15        |
| Bromomethane                          | 25.0        | 23.0        |                | ug/L |   | 92   | 55 - 144     | 2   | 15        |
| Carbon disulfide                      | 25.0        | 23.4        |                | ug/L |   | 93   | 59 - 134     | 0   | 15        |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: LCSD 480-476003/6

Matrix: Water

Analysis Batch: 476003

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte                   | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Carbon tetrachloride      | 25.0        | 27.9        |                | ug/L |   | 111  | 72 - 134     | 4   | 15        |
| Chlorobenzene             | 25.0        | 24.4        |                | ug/L |   | 97   | 80 - 120     | 4   | 25        |
| Chloroethane              | 25.0        | 25.7        |                | ug/L |   | 103  | 69 - 136     | 1   | 15        |
| Chloroform                | 25.0        | 24.3        |                | ug/L |   | 97   | 73 - 127     | 0   | 20        |
| Chloromethane             | 25.0        | 26.3        |                | ug/L |   | 105  | 68 - 124     | 0   | 15        |
| cis-1,2-Dichloroethene    | 25.0        | 24.1        |                | ug/L |   | 96   | 74 - 124     | 2   | 15        |
| cis-1,3-Dichloropropene   | 25.0        | 25.6        |                | ug/L |   | 102  | 74 - 124     | 0   | 15        |
| Cyclohexane               | 25.0        | 29.3        |                | ug/L |   | 117  | 59 - 135     | 3   | 20        |
| Dibromochloromethane      | 25.0        | 27.5        |                | ug/L |   | 110  | 75 - 125     | 4   | 15        |
| Dichlorodifluoromethane   | 25.0        | 23.7        |                | ug/L |   | 95   | 59 - 135     | 1   | 20        |
| Ethylbenzene              | 25.0        | 24.5        |                | ug/L |   | 98   | 77 - 123     | 4   | 15        |
| Isopropylbenzene          | 25.0        | 24.5        |                | ug/L |   | 98   | 77 - 122     | 4   | 20        |
| Methyl acetate            | 50.0        | 46.4        |                | ug/L |   | 93   | 74 - 133     | 6   | 20        |
| Methyl tert-butyl ether   | 25.0        | 23.6        |                | ug/L |   | 94   | 77 - 120     | 3   | 37        |
| Methylcyclohexane         | 25.0        | 25.9        |                | ug/L |   | 103  | 68 - 134     | 1   | 20        |
| Methylene Chloride        | 25.0        | 22.3        |                | ug/L |   | 89   | 75 - 124     | 1   | 15        |
| Styrene                   | 25.0        | 24.4        |                | ug/L |   | 98   | 80 - 120     | 1   | 20        |
| Tetrachloroethene         | 25.0        | 26.1        |                | ug/L |   | 104  | 74 - 122     | 4   | 20        |
| Toluene                   | 25.0        | 24.3        |                | ug/L |   | 97   | 80 - 122     | 4   | 15        |
| trans-1,2-Dichloroethene  | 25.0        | 23.9        |                | ug/L |   | 96   | 73 - 127     | 2   | 20        |
| trans-1,3-Dichloropropene | 25.0        | 24.8        |                | ug/L |   | 99   | 80 - 120     | 1   | 15        |
| Trichloroethene           | 25.0        | 25.4        |                | ug/L |   | 102  | 74 - 123     | 1   | 16        |
| Trichlorofluoromethane    | 25.0        | 26.2        |                | ug/L |   | 105  | 62 - 150     | 1   | 20        |
| Vinyl chloride            | 25.0        | 27.9        |                | ug/L |   | 112  | 65 - 133     | 2   | 15        |
| t-Butyl alcohol           | 250         | 216         |                | ug/L |   | 86   | 75 - 125     | 5   | 15        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 102            |                | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 94             |                | 73 - 120 |
| Dibromofluoromethane (Surr)  | 97             |                | 75 - 123 |
| Toluene-d8 (Surr)            | 93             |                | 80 - 120 |

Lab Sample ID: 480-154306-3 MS

Matrix: Water

Analysis Batch: 476003

Client Sample ID: LMW-02

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,1,1-Trichloroethane                 | 6900          | F1               | 2500        | 11200     | E F1         | ug/L |   | 170  | 73 - 126     |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 2500        | 2150      |              | ug/L |   | 86   | 76 - 120     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 2500        | 2540      |              | ug/L |   | 102  | 61 - 148     |
| 1,1,2-Trichloroethane                 | ND            |                  | 2500        | 2230      |              | ug/L |   | 89   | 76 - 122     |
| 1,1-Dichloroethane                    | 7500          | F1               | 2500        | 12100     | E F1         | ug/L |   | 183  | 77 - 120     |
| 1,1-Dichloroethene                    | 160           |                  | 2500        | 2350      |              | ug/L |   | 88   | 66 - 127     |
| 1,2,4-Trichlorobenzene                | ND            |                  | 2500        | 2380      |              | ug/L |   | 95   | 79 - 122     |
| 1,2-Dibromo-3-Chloropropane           | ND            |                  | 2500        | 1930      |              | ug/L |   | 77   | 56 - 134     |
| 1,2-Dibromoethane                     | ND            |                  | 2500        | 2230      |              | ug/L |   | 89   | 77 - 120     |
| 1,2-Dichlorobenzene                   | ND            |                  | 2500        | 2290      |              | ug/L |   | 92   | 80 - 124     |
| 1,2-Dichloroethane                    | ND            |                  | 2500        | 2490      |              | ug/L |   | 100  | 75 - 120     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: 480-154306-3 MS

Matrix: Water

Analysis Batch: 476003

Client Sample ID: LMW-02

Prep Type: Total/NA

| Analyte                      | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,2-Dichloropropane          | ND            |                  | 2500        | 2670      |              | ug/L |   | 107  | 76 - 120     |
| 1,3-Dichlorobenzene          | ND            |                  | 2500        | 2310      |              | ug/L |   | 92   | 77 - 120     |
| 1,4-Dichlorobenzene          | ND            |                  | 2500        | 2300      |              | ug/L |   | 92   | 78 - 124     |
| 2-Butanone (MEK)             | ND            | *                | 12500       | 10500     |              | ug/L |   | 84   | 57 - 140     |
| 2-Hexanone                   | ND            |                  | 12500       | 11000     |              | ug/L |   | 88   | 65 - 127     |
| 4-Methyl-2-pentanone (MIBK)  | ND            |                  | 12500       | 11200     |              | ug/L |   | 90   | 71 - 125     |
| Acetone                      | ND            |                  | 12500       | 9980      |              | ug/L |   | 80   | 56 - 142     |
| Benzene                      | ND            |                  | 2500        | 2440      |              | ug/L |   | 98   | 71 - 124     |
| Bromodichloromethane         | ND            |                  | 2500        | 2470      |              | ug/L |   | 99   | 80 - 122     |
| Bromoform                    | ND            |                  | 2500        | 2230      |              | ug/L |   | 89   | 61 - 132     |
| Bromomethane                 | ND            |                  | 2500        | 2410      |              | ug/L |   | 96   | 55 - 144     |
| Carbon disulfide             | ND            |                  | 2500        | 2270      |              | ug/L |   | 91   | 59 - 134     |
| Carbon tetrachloride         | ND            |                  | 2500        | 2780      |              | ug/L |   | 111  | 72 - 134     |
| Chlorobenzene                | ND            |                  | 2500        | 2300      |              | ug/L |   | 92   | 80 - 120     |
| Chloroethane                 | ND            |                  | 2500        | 2480      |              | ug/L |   | 99   | 69 - 136     |
| Chloroform                   | ND            |                  | 2500        | 2370      |              | ug/L |   | 95   | 73 - 127     |
| Chloromethane                | ND            |                  | 2500        | 2740      |              | ug/L |   | 110  | 68 - 124     |
| cis-1,2-Dichloroethene       | 2000          |                  | 2500        | 4970      |              | ug/L |   | 118  | 74 - 124     |
| cis-1,3-Dichloropropene      | ND            |                  | 2500        | 2340      |              | ug/L |   | 93   | 74 - 124     |
| Cyclohexane                  | ND            |                  | 2500        | 2920      |              | ug/L |   | 117  | 59 - 135     |
| Dibromochloromethane         | ND            |                  | 2500        | 2500      |              | ug/L |   | 100  | 75 - 125     |
| Dichlorodifluoromethane      | ND            |                  | 2500        | 2460      |              | ug/L |   | 99   | 59 - 135     |
| Ethylbenzene                 | ND            |                  | 2500        | 2310      |              | ug/L |   | 93   | 77 - 123     |
| Isopropylbenzene             | ND            |                  | 2500        | 2440      |              | ug/L |   | 98   | 77 - 122     |
| Methyl acetate               | ND            |                  | 5000        | 4390      |              | ug/L |   | 88   | 74 - 133     |
| Methyl tert-butyl ether      | ND            |                  | 2500        | 2240      |              | ug/L |   | 90   | 77 - 120     |
| Methylcyclohexane            | ND            |                  | 2500        | 2490      |              | ug/L |   | 100  | 68 - 134     |
| Methylene Chloride           | 47            | J                | 2500        | 2190      |              | ug/L |   | 86   | 75 - 124     |
| Styrene                      | ND            |                  | 2500        | 2290      |              | ug/L |   | 92   | 80 - 120     |
| Tetrachloroethene            | ND            |                  | 2500        | 2410      |              | ug/L |   | 97   | 74 - 122     |
| Toluene                      | ND            |                  | 2500        | 2310      |              | ug/L |   | 93   | 80 - 122     |
| trans-1,2-Dichloroethene     | ND            |                  | 2500        | 2360      |              | ug/L |   | 95   | 73 - 127     |
| trans-1,3-Dichloropropene    | ND            |                  | 2500        | 2240      |              | ug/L |   | 90   | 80 - 120     |
| Trichloroethene              | 99            | J                | 2500        | 2650      |              | ug/L |   | 102  | 74 - 123     |
| Trichlorofluoromethane       | ND            |                  | 2500        | 2650      |              | ug/L |   | 106  | 62 - 150     |
| Vinyl chloride               | 200           |                  | 2500        | 2880      |              | ug/L |   | 107  | 65 - 133     |
| t-Butyl alcohol              | ND            |                  | 25000       | 18900     |              | ug/L |   | 76   | 75 - 125     |
| Surrogate                    | MS %Recovery  | MS Qualifier     | Limits      |           |              |      |   |      |              |
| 1,2-Dichloroethane-d4 (Surr) | 100           |                  | 77 - 120    |           |              |      |   |      |              |
| 4-Bromofluorobenzene (Surr)  | 92            |                  | 73 - 120    |           |              |      |   |      |              |
| Dibromofluoromethane (Surr)  | 99            |                  | 75 - 123    |           |              |      |   |      |              |
| Toluene-d8 (Surr)            | 91            |                  | 80 - 120    |           |              |      |   |      |              |

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: 480-154306-3 MSD

Matrix: Water

Analysis Batch: 476003

Client Sample ID: LMW-02

Prep Type: Total/NA

| Analyte                                 | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,1,1-Trichloroethane                   | 6900          | F1               | 2500        | 10900      | E F1          | ug/L |   | 160  | 73 - 126     | 2   | 15        |
| 1,1,1,2-Tetrachloroethane               | ND            |                  | 2500        | 2110       |               | ug/L |   | 85   | 76 - 120     | 2   | 15        |
| 1,1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 2500        | 2550       |               | ug/L |   | 102  | 61 - 148     | 0   | 20        |
| 1,1,1,2-Trichloroethane                 | ND            |                  | 2500        | 2300       |               | ug/L |   | 92   | 76 - 122     | 3   | 15        |
| 1,1-Dichloroethane                      | 7500          | F1               | 2500        | 12000      | E F1          | ug/L |   | 181  | 77 - 120     | 0   | 20        |
| 1,1-Dichloroethene                      | 160           |                  | 2500        | 2350       |               | ug/L |   | 88   | 66 - 127     | 0   | 16        |
| 1,2,4-Trichlorobenzene                  | ND            |                  | 2500        | 2300       |               | ug/L |   | 92   | 79 - 122     | 3   | 20        |
| 1,2-Dibromo-3-Chloropropane             | ND            |                  | 2500        | 1990       |               | ug/L |   | 79   | 56 - 134     | 3   | 15        |
| 1,2-Dibromoethane                       | ND            |                  | 2500        | 2200       |               | ug/L |   | 88   | 77 - 120     | 2   | 15        |
| 1,2-Dichlorobenzene                     | ND            |                  | 2500        | 2380       |               | ug/L |   | 95   | 80 - 124     | 4   | 20        |
| 1,2-Dichloroethane                      | ND            |                  | 2500        | 2520       |               | ug/L |   | 101  | 75 - 120     | 1   | 20        |
| 1,2-Dichloropropane                     | ND            |                  | 2500        | 2560       |               | ug/L |   | 102  | 76 - 120     | 4   | 20        |
| 1,3-Dichlorobenzene                     | ND            |                  | 2500        | 2300       |               | ug/L |   | 92   | 77 - 120     | 0   | 20        |
| 1,4-Dichlorobenzene                     | ND            |                  | 2500        | 2280       |               | ug/L |   | 91   | 78 - 124     | 1   | 20        |
| 2-Butanone (MEK)                        | ND *          |                  | 12500       | 10500      |               | ug/L |   | 84   | 57 - 140     | 0   | 20        |
| 2-Hexanone                              | ND            |                  | 12500       | 11200      |               | ug/L |   | 89   | 65 - 127     | 2   | 15        |
| 4-Methyl-2-pentanone (MIBK)             | ND            |                  | 12500       | 11400      |               | ug/L |   | 91   | 71 - 125     | 1   | 35        |
| Acetone                                 | ND            |                  | 12500       | 9960       |               | ug/L |   | 80   | 56 - 142     | 0   | 15        |
| Benzene                                 | ND            |                  | 2500        | 2440       |               | ug/L |   | 97   | 71 - 124     | 0   | 13        |
| Bromodichloromethane                    | ND            |                  | 2500        | 2530       |               | ug/L |   | 101  | 80 - 122     | 2   | 15        |
| Bromoform                               | ND            |                  | 2500        | 2210       |               | ug/L |   | 88   | 61 - 132     | 1   | 15        |
| Bromomethane                            | ND            |                  | 2500        | 2330       |               | ug/L |   | 93   | 55 - 144     | 4   | 15        |
| Carbon disulfide                        | ND            |                  | 2500        | 2250       |               | ug/L |   | 90   | 59 - 134     | 1   | 15        |
| Carbon tetrachloride                    | ND            |                  | 2500        | 2770       |               | ug/L |   | 111  | 72 - 134     | 0   | 15        |
| Chlorobenzene                           | ND            |                  | 2500        | 2290       |               | ug/L |   | 92   | 80 - 120     | 0   | 25        |
| Chloroethane                            | ND            |                  | 2500        | 2430       |               | ug/L |   | 97   | 69 - 136     | 2   | 15        |
| Chloroform                              | ND            |                  | 2500        | 2340       |               | ug/L |   | 94   | 73 - 127     | 1   | 20        |
| Chloromethane                           | ND            |                  | 2500        | 2690       |               | ug/L |   | 108  | 68 - 124     | 2   | 15        |
| cis-1,2-Dichloroethene                  | 2000          |                  | 2500        | 4870       |               | ug/L |   | 114  | 74 - 124     | 2   | 15        |
| cis-1,3-Dichloropropene                 | ND            |                  | 2500        | 2350       |               | ug/L |   | 94   | 74 - 124     | 1   | 15        |
| Cyclohexane                             | ND            |                  | 2500        | 2840       |               | ug/L |   | 114  | 59 - 135     | 3   | 20        |
| Dibromochloromethane                    | ND            |                  | 2500        | 2570       |               | ug/L |   | 103  | 75 - 125     | 3   | 15        |
| Dichlorodifluoromethane                 | ND            |                  | 2500        | 2430       |               | ug/L |   | 97   | 59 - 135     | 1   | 20        |
| Ethylbenzene                            | ND            |                  | 2500        | 2270       |               | ug/L |   | 91   | 77 - 123     | 2   | 15        |
| Isopropylbenzene                        | ND            |                  | 2500        | 2380       |               | ug/L |   | 95   | 77 - 122     | 3   | 20        |
| Methyl acetate                          | ND            |                  | 5000        | 4240       |               | ug/L |   | 85   | 74 - 133     | 3   | 20        |
| Methyl tert-butyl ether                 | ND            |                  | 2500        | 2260       |               | ug/L |   | 90   | 77 - 120     | 1   | 37        |
| Methylcyclohexane                       | ND            |                  | 2500        | 2420       |               | ug/L |   | 97   | 68 - 134     | 3   | 20        |
| Methylene Chloride                      | 47 J          |                  | 2500        | 2200       |               | ug/L |   | 86   | 75 - 124     | 0   | 15        |
| Styrene                                 | ND            |                  | 2500        | 2250       |               | ug/L |   | 90   | 80 - 120     | 2   | 20        |
| Tetrachloroethene                       | ND            |                  | 2500        | 2390       |               | ug/L |   | 96   | 74 - 122     | 1   | 20        |
| Toluene                                 | ND            |                  | 2500        | 2270       |               | ug/L |   | 91   | 80 - 122     | 2   | 15        |
| trans-1,2-Dichloroethene                | ND            |                  | 2500        | 2330       |               | ug/L |   | 93   | 73 - 127     | 1   | 20        |
| trans-1,3-Dichloropropene               | ND            |                  | 2500        | 2170       |               | ug/L |   | 87   | 80 - 120     | 3   | 15        |
| Trichloroethene                         | 99 J          |                  | 2500        | 2500       |               | ug/L |   | 96   | 74 - 123     | 6   | 16        |
| Trichlorofluoromethane                  | ND            |                  | 2500        | 2640       |               | ug/L |   | 106  | 62 - 150     | 0   | 20        |
| Vinyl chloride                          | 200           |                  | 2500        | 2910       |               | ug/L |   | 108  | 65 - 133     | 1   | 15        |
| t-Butyl alcohol                         | ND            |                  | 25000       | 20200      |               | ug/L |   | 81   | 75 - 125     | 7   | 15        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

| Surrogate                    | MSD       |           | Limits   |
|------------------------------|-----------|-----------|----------|
|                              | %Recovery | Qualifier |          |
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 73 - 120 |
| Dibromofluoromethane (Surr)  | 98        |           | 75 - 123 |
| Toluene-d8 (Surr)            | 93        |           | 80 - 120 |

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

Lab Sample ID: MB 480-475921/1-A

Matrix: Water

Analysis Batch: 477043

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475921

| Analyte                       | MB     |           | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|------|------|---|----------------|----------------|---------|
|                               | Result | Qualifier |     |      |      |   |                |                |         |
| 2,4,5-Trichlorophenol         | ND     |           | 5.0 | 0.48 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2,4,6-Trichlorophenol         | ND     |           | 5.0 | 0.61 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2,4-Dichlorophenol            | ND     |           | 5.0 | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2,4-Dimethylphenol            | ND     |           | 5.0 | 0.50 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2,4-Dinitrophenol             | ND     |           | 10  | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2,4-Dinitrotoluene            | ND     |           | 5.0 | 0.45 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2,6-Dinitrotoluene            | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2-Chloronaphthalene           | ND     |           | 5.0 | 0.46 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2-Chlorophenol                | ND     |           | 5.0 | 0.53 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2-Methylnaphthalene           | ND     |           | 5.0 | 0.60 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2-Methylphenol                | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2-Nitroaniline                | ND     |           | 10  | 0.42 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2-Nitrophenol                 | ND     |           | 5.0 | 0.48 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 3,3'-Dichlorobenzidine        | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 3-Nitroaniline                | ND     |           | 10  | 0.48 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 10  | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 4-Bromophenyl phenyl ether    | ND     |           | 5.0 | 0.45 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 4-Chloro-3-methylphenol       | ND     |           | 5.0 | 0.45 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 4-Chloroaniline               | ND     |           | 5.0 | 0.59 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 5.0 | 0.35 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 4-Methylphenol                | ND     |           | 10  | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 4-Nitroaniline                | ND     |           | 10  | 0.25 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 4-Nitrophenol                 | ND     |           | 10  | 1.5  | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Acenaphthene                  | ND     |           | 5.0 | 0.41 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Acenaphthylene                | ND     |           | 5.0 | 0.38 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Acetophenone                  | ND     |           | 5.0 | 0.54 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Anthracene                    | ND     |           | 5.0 | 0.28 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Atrazine                      | ND     |           | 5.0 | 0.46 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Benzaldehyde                  | ND     |           | 5.0 | 0.27 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Benzo(a)anthracene            | ND     |           | 5.0 | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Benzo(a)pyrene                | ND     |           | 5.0 | 0.47 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Benzo(b)fluoranthene          | ND     |           | 5.0 | 0.34 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Benzo(g,h,i)perylene          | ND     |           | 5.0 | 0.35 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Benzo(k)fluoranthene          | ND     |           | 5.0 | 0.73 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Biphenyl                      | ND     |           | 5.0 | 0.65 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| bis (2-chloroisopropyl) ether | ND     |           | 5.0 | 0.52 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Bis(2-chloroethoxy)methane    | ND     |           | 5.0 | 0.35 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Bis(2-chloroethyl)ether       | ND     |           | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 5.0 | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Butyl benzyl phthalate        | ND     |           | 5.0 | 1.0  | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: MB 480-475921/1-A

Matrix: Water

Analysis Batch: 477043

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475921

| Analyte                   | MB<br>Result | MB<br>Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------------|-----------------|-----|------|------|---|----------------|----------------|---------|
| Caprolactam               | ND           |                 | 5.0 | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Carbazole                 | ND           |                 | 5.0 | 0.30 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Chrysene                  | ND           |                 | 5.0 | 0.33 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Dibenz(a,h)anthracene     | ND           |                 | 5.0 | 0.42 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Dibenzofuran              | ND           |                 | 10  | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Diethyl phthalate         | ND           |                 | 5.0 | 0.22 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Dimethyl phthalate        | ND           |                 | 5.0 | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Di-n-butyl phthalate      | ND           |                 | 5.0 | 0.31 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Di-n-octyl phthalate      | ND           |                 | 5.0 | 0.47 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Fluoranthene              | ND           |                 | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Fluorene                  | ND           |                 | 5.0 | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Hexachlorobenzene         | ND           |                 | 5.0 | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Hexachlorobutadiene       | ND           |                 | 5.0 | 0.68 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Hexachlorocyclopentadiene | ND           |                 | 5.0 | 0.59 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Hexachloroethane          | ND           |                 | 5.0 | 0.59 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND           |                 | 5.0 | 0.47 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Isophorone                | ND           |                 | 5.0 | 0.43 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Naphthalene               | ND           |                 | 5.0 | 0.76 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Nitrobenzene              | ND           |                 | 5.0 | 0.29 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| N-Nitrosodi-n-propylamine | ND           |                 | 5.0 | 0.54 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| N-Nitrosodiphenylamine    | ND           |                 | 5.0 | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Pentachlorophenol         | ND           |                 | 10  | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Phenanthrene              | ND           |                 | 5.0 | 0.44 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Phenol                    | ND           |                 | 5.0 | 0.39 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Pyrene                    | ND           |                 | 5.0 | 0.34 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |

| Surrogate            | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 79              |                 | 41 - 120 | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2-Fluorobiphenyl     | 80              |                 | 48 - 120 | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2-Fluorophenol       | 57              |                 | 35 - 120 | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Nitrobenzene-d5      | 73              |                 | 46 - 120 | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Phenol-d5            | 44              |                 | 22 - 120 | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| p-Terphenyl-d14      | 92              |                 | 59 - 136 | 06/03/19 15:49 | 06/10/19 17:25 | 1       |

Lab Sample ID: LCS 480-475921/2-A

Matrix: Water

Analysis Batch: 477043

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475921

| Analyte               | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|-----------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 2,4,5-Trichlorophenol | 32.0           | 30.9          |                  | ug/L |   | 97   | 65 - 126        |
| 2,4,6-Trichlorophenol | 32.0           | 35.2          |                  | ug/L |   | 110  | 64 - 120        |
| 2,4-Dichlorophenol    | 32.0           | 30.7          |                  | ug/L |   | 96   | 63 - 120        |
| 2,4-Dimethylphenol    | 32.0           | 29.2          |                  | ug/L |   | 91   | 47 - 120        |
| 2,4-Dinitrophenol     | 64.0           | 68.8          |                  | ug/L |   | 108  | 31 - 137        |
| 2,4-Dinitrotoluene    | 32.0           | 34.1          |                  | ug/L |   | 107  | 69 - 120        |
| 2,6-Dinitrotoluene    | 32.0           | 34.6          |                  | ug/L |   | 108  | 68 - 120        |
| 2-Chloronaphthalene   | 32.0           | 38.5          |                  | ug/L |   | 120  | 58 - 120        |
| 2-Chlorophenol        | 32.0           | 27.8          |                  | ug/L |   | 87   | 48 - 120        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: LCS 480-475921/2-A

Matrix: Water

Analysis Batch: 477043

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475921

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 2-Methylnaphthalene           | 32.0        | 29.4       |               | ug/L |   | 92   | 59 - 120     |
| 2-Methylphenol                | 32.0        | 29.0       |               | ug/L |   | 91   | 39 - 120     |
| 2-Nitroaniline                | 32.0        | 33.1       |               | ug/L |   | 104  | 54 - 127     |
| 2-Nitrophenol                 | 32.0        | 30.2       |               | ug/L |   | 94   | 52 - 125     |
| 3,3'-Dichlorobenzidine        | 64.0        | 81.9       |               | ug/L |   | 128  | 49 - 135     |
| 3-Nitroaniline                | 32.0        | 35.7       |               | ug/L |   | 112  | 51 - 120     |
| 4,6-Dinitro-2-methylphenol    | 64.0        | 74.9       |               | ug/L |   | 117  | 46 - 136     |
| 4-Bromophenyl phenyl ether    | 32.0        | 31.5       |               | ug/L |   | 98   | 65 - 120     |
| 4-Chloro-3-methylphenol       | 32.0        | 30.2       |               | ug/L |   | 94   | 61 - 123     |
| 4-Chloroaniline               | 32.0        | 31.4       |               | ug/L |   | 98   | 30 - 120     |
| 4-Chlorophenyl phenyl ether   | 32.0        | 31.5       |               | ug/L |   | 99   | 62 - 120     |
| 4-Methylphenol                | 32.0        | 28.3       |               | ug/L |   | 88   | 29 - 131     |
| 4-Nitroaniline                | 32.0        | 36.2       |               | ug/L |   | 113  | 65 - 120     |
| 4-Nitrophenol                 | 64.0        | 55.9       |               | ug/L |   | 87   | 45 - 120     |
| Acenaphthene                  | 32.0        | 31.2       |               | ug/L |   | 97   | 60 - 120     |
| Acenaphthylene                | 32.0        | 32.5       |               | ug/L |   | 101  | 63 - 120     |
| Acetophenone                  | 32.0        | 30.0       |               | ug/L |   | 94   | 45 - 120     |
| Anthracene                    | 32.0        | 31.2       |               | ug/L |   | 97   | 67 - 120     |
| Atrazine                      | 64.0        | 66.6       |               | ug/L |   | 104  | 71 - 130     |
| Benzaldehyde                  | 64.0        | 58.8       |               | ug/L |   | 92   | 10 - 140     |
| Benzo(a)anthracene            | 32.0        | 31.5       |               | ug/L |   | 98   | 70 - 121     |
| Benzo(a)pyrene                | 32.0        | 30.5       |               | ug/L |   | 95   | 60 - 123     |
| Benzo(b)fluoranthene          | 32.0        | 33.4       |               | ug/L |   | 104  | 66 - 126     |
| Benzo(g,h,i)perylene          | 32.0        | 33.7       |               | ug/L |   | 105  | 66 - 150     |
| Benzo(k)fluoranthene          | 32.0        | 33.8       |               | ug/L |   | 106  | 65 - 124     |
| Biphenyl                      | 32.0        | 30.5       |               | ug/L |   | 95   | 59 - 120     |
| bis (2-chloroisopropyl) ether | 32.0        | 27.9       |               | ug/L |   | 87   | 21 - 136     |
| Bis(2-chloroethoxy)methane    | 32.0        | 29.4       |               | ug/L |   | 92   | 50 - 128     |
| Bis(2-chloroethyl)ether       | 32.0        | 26.3       |               | ug/L |   | 82   | 44 - 120     |
| Bis(2-ethylhexyl) phthalate   | 32.0        | 35.5       |               | ug/L |   | 111  | 63 - 139     |
| Butyl benzyl phthalate        | 32.0        | 34.4       |               | ug/L |   | 108  | 70 - 129     |
| Caprolactam                   | 64.0        | 22.8       |               | ug/L |   | 36   | 22 - 120     |
| Carbazole                     | 32.0        | 35.1       |               | ug/L |   | 110  | 66 - 123     |
| Chrysene                      | 32.0        | 34.4       |               | ug/L |   | 108  | 69 - 120     |
| Dibenz(a,h)anthracene         | 32.0        | 33.8       |               | ug/L |   | 106  | 65 - 135     |
| Dibenzofuran                  | 32.0        | 31.7       |               | ug/L |   | 99   | 66 - 120     |
| Diethyl phthalate             | 32.0        | 33.7       |               | ug/L |   | 105  | 59 - 127     |
| Dimethyl phthalate            | 32.0        | 34.1       |               | ug/L |   | 107  | 68 - 120     |
| Di-n-butyl phthalate          | 32.0        | 33.1       |               | ug/L |   | 103  | 69 - 131     |
| Di-n-octyl phthalate          | 32.0        | 34.6       |               | ug/L |   | 108  | 63 - 140     |
| Fluoranthene                  | 32.0        | 32.7       |               | ug/L |   | 102  | 69 - 126     |
| Fluorene                      | 32.0        | 33.7       |               | ug/L |   | 105  | 66 - 120     |
| Hexachlorobenzene             | 32.0        | 32.6       |               | ug/L |   | 102  | 61 - 120     |
| Hexachlorobutadiene           | 32.0        | 25.3       |               | ug/L |   | 79   | 35 - 120     |
| Hexachlorocyclopentadiene     | 32.0        | 27.5       |               | ug/L |   | 86   | 31 - 120     |
| Hexachloroethane              | 32.0        | 25.5       |               | ug/L |   | 80   | 43 - 120     |
| Indeno(1,2,3-cd)pyrene        | 32.0        | 33.5       |               | ug/L |   | 105  | 69 - 146     |
| Isophorone                    | 32.0        | 31.0       |               | ug/L |   | 97   | 55 - 120     |
| Naphthalene                   | 32.0        | 29.9       |               | ug/L |   | 93   | 57 - 120     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: LCS 480-475921/2-A

Matrix: Water

Analysis Batch: 477043

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475921

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Nitrobenzene              | 32.0        | 29.6       |               | ug/L |   | 93   | 53 - 123     |
| N-Nitrosodi-n-propylamine | 32.0        | 30.7       |               | ug/L |   | 96   | 32 - 140     |
| N-Nitrosodiphenylamine    | 32.0        | 32.2       |               | ug/L |   | 101  | 61 - 120     |
| Pentachlorophenol         | 64.0        | 67.8       |               | ug/L |   | 106  | 29 - 136     |
| Phenanthrene              | 32.0        | 35.2       |               | ug/L |   | 110  | 68 - 120     |
| Phenol                    | 32.0        | 19.8       |               | ug/L |   | 62   | 17 - 120     |
| Pyrene                    | 32.0        | 33.3       |               | ug/L |   | 104  | 70 - 125     |

| Surrogate            | LCS %Recovery | LCS Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol | 105           |               | 41 - 120 |
| 2-Fluorobiphenyl     | 93            |               | 48 - 120 |
| 2-Fluorophenol       | 70            |               | 35 - 120 |
| Nitrobenzene-d5      | 86            |               | 46 - 120 |
| Phenol-d5            | 58            |               | 22 - 120 |
| p-Terphenyl-d14      | 98            |               | 59 - 136 |

Lab Sample ID: 480-154306-2 MS

Matrix: Water

Analysis Batch: 477043

Client Sample ID: LMW-03

Prep Type: Total/NA

Prep Batch: 475921

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 2,4,5-Trichlorophenol       | ND            |                  | 32.0        | 28.5      |              | ug/L |   | 89   | 65 - 126     |
| 2,4,6-Trichlorophenol       | ND            | F1               | 32.0        | 39.6      | F1           | ug/L |   | 124  | 64 - 120     |
| 2,4-Dichlorophenol          | ND            |                  | 32.0        | 31.5      |              | ug/L |   | 98   | 48 - 132     |
| 2,4-Dimethylphenol          | ND            |                  | 32.0        | 29.2      |              | ug/L |   | 91   | 39 - 130     |
| 2,4-Dinitrophenol           | ND            |                  | 64.0        | 70.0      |              | ug/L |   | 109  | 21 - 150     |
| 2,4-Dinitrotoluene          | ND            | F2               | 32.0        | 27.4      |              | ug/L |   | 86   | 54 - 138     |
| 2,6-Dinitrotoluene          | ND            |                  | 32.0        | 33.0      |              | ug/L |   | 103  | 17 - 150     |
| 2-Chloronaphthalene         | ND            |                  | 32.0        | 37.9      |              | ug/L |   | 119  | 52 - 124     |
| 2-Chlorophenol              | ND            |                  | 32.0        | 26.8      |              | ug/L |   | 84   | 48 - 120     |
| 2-Methylnaphthalene         | ND            |                  | 32.0        | 29.0      |              | ug/L |   | 91   | 34 - 140     |
| 2-Methylphenol              | ND            |                  | 32.0        | 28.1      |              | ug/L |   | 88   | 46 - 120     |
| 2-Nitroaniline              | ND            |                  | 32.0        | 31.4      |              | ug/L |   | 98   | 44 - 136     |
| 2-Nitrophenol               | ND            |                  | 32.0        | 29.6      |              | ug/L |   | 92   | 38 - 141     |
| 3,3'-Dichlorobenzidine      | ND            | F2               | 64.0        | 12.7      |              | ug/L |   | 20   | 10 - 150     |
| 3-Nitroaniline              | ND            |                  | 32.0        | 27.5      |              | ug/L |   | 86   | 32 - 150     |
| 4,6-Dinitro-2-methylphenol  | ND            |                  | 64.0        | 86.0      |              | ug/L |   | 134  | 38 - 150     |
| 4-Bromophenyl phenyl ether  | ND            | F2               | 32.0        | 29.8      |              | ug/L |   | 93   | 63 - 126     |
| 4-Chloro-3-methylphenol     | ND            |                  | 32.0        | 30.5      |              | ug/L |   | 95   | 64 - 127     |
| 4-Chloroaniline             | ND            |                  | 32.0        | 25.8      |              | ug/L |   | 81   | 16 - 124     |
| 4-Chlorophenyl phenyl ether | ND            |                  | 32.0        | 31.2      |              | ug/L |   | 97   | 61 - 120     |
| 4-Methylphenol              | ND            |                  | 32.0        | 27.0      |              | ug/L |   | 84   | 36 - 120     |
| 4-Nitroaniline              | ND            |                  | 32.0        | 29.8      |              | ug/L |   | 93   | 32 - 150     |
| 4-Nitrophenol               | ND            |                  | 64.0        | 45.3      |              | ug/L |   | 71   | 23 - 132     |
| Acenaphthene                | ND            |                  | 32.0        | 30.5      |              | ug/L |   | 95   | 48 - 120     |
| Acenaphthylene              | ND            |                  | 32.0        | 31.9      |              | ug/L |   | 100  | 63 - 120     |
| Acetophenone                | ND            |                  | 32.0        | 28.4      |              | ug/L |   | 89   | 53 - 120     |
| Anthracene                  | ND            |                  | 32.0        | 33.8      |              | ug/L |   | 106  | 65 - 122     |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: 480-154306-2 MS

Matrix: Water

Analysis Batch: 477043

Client Sample ID: LMW-03

Prep Type: Total/NA

Prep Batch: 475921

| Analyte                       | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Atrazine                      | ND            | F2               | 64.0        | 49.2      |              | ug/L |   | 77   | 50 - 150     |
| Benzaldehyde                  | ND            |                  | 64.0        | 52.4      |              | ug/L |   | 82   | 10 - 150     |
| Benzo(a)anthracene            | ND            |                  | 32.0        | 29.4      |              | ug/L |   | 92   | 43 - 124     |
| Benzo(a)pyrene                | ND            |                  | 32.0        | 26.1      |              | ug/L |   | 81   | 23 - 125     |
| Benzo(b)fluoranthene          | ND            |                  | 32.0        | 29.0      |              | ug/L |   | 91   | 27 - 127     |
| Benzo(g,h,i)perylene          | ND            |                  | 32.0        | 28.3      |              | ug/L |   | 88   | 16 - 147     |
| Benzo(k)fluoranthene          | ND            |                  | 32.0        | 27.4      |              | ug/L |   | 86   | 20 - 124     |
| Biphenyl                      | ND            |                  | 32.0        | 29.9      |              | ug/L |   | 93   | 57 - 120     |
| bis (2-chloroisopropyl) ether | ND            |                  | 32.0        | 26.6      |              | ug/L |   | 83   | 28 - 121     |
| Bis(2-chloroethoxy)methane    | ND            |                  | 32.0        | 28.6      |              | ug/L |   | 89   | 44 - 128     |
| Bis(2-chloroethyl)ether       | ND            |                  | 32.0        | 27.0      |              | ug/L |   | 84   | 45 - 120     |
| Bis(2-ethylhexyl) phthalate   | ND            |                  | 32.0        | 31.1      |              | ug/L |   | 97   | 16 - 150     |
| Butyl benzyl phthalate        | ND            |                  | 32.0        | 31.4      |              | ug/L |   | 98   | 51 - 140     |
| Caprolactam                   | ND            |                  | 64.0        | 22.3      |              | ug/L |   | 35   | 10 - 120     |
| Carbazole                     | ND            |                  | 32.0        | 38.1      |              | ug/L |   | 119  | 16 - 148     |
| Chrysene                      | ND            |                  | 32.0        | 32.0      |              | ug/L |   | 100  | 44 - 122     |
| Dibenz(a,h)anthracene         | ND            |                  | 32.0        | 28.5      |              | ug/L |   | 89   | 16 - 139     |
| Dibenzofuran                  | ND            |                  | 32.0        | 30.8      |              | ug/L |   | 96   | 60 - 120     |
| Diethyl phthalate             | ND            |                  | 32.0        | 25.8      |              | ug/L |   | 81   | 53 - 133     |
| Dimethyl phthalate            | ND            |                  | 32.0        | 33.6      |              | ug/L |   | 105  | 59 - 123     |
| Di-n-butyl phthalate          | ND            |                  | 32.0        | 33.0      |              | ug/L |   | 103  | 65 - 129     |
| Di-n-octyl phthalate          | ND            |                  | 32.0        | 31.0      |              | ug/L |   | 97   | 16 - 150     |
| Fluoranthene                  | ND            | F2               | 32.0        | 32.0      |              | ug/L |   | 100  | 63 - 129     |
| Fluorene                      | ND            |                  | 32.0        | 33.0      |              | ug/L |   | 103  | 62 - 120     |
| Hexachlorobenzene             | ND            | F1               | 32.0        | 34.9      |              | ug/L |   | 109  | 57 - 121     |
| Hexachlorobutadiene           | ND            |                  | 32.0        | 24.6      |              | ug/L |   | 77   | 37 - 120     |
| Hexachlorocyclopentadiene     | ND            |                  | 32.0        | 26.7      |              | ug/L |   | 83   | 21 - 120     |
| Hexachloroethane              | ND            |                  | 32.0        | 24.5      |              | ug/L |   | 77   | 16 - 130     |
| Indeno(1,2,3-cd)pyrene        | ND            |                  | 32.0        | 28.5      |              | ug/L |   | 89   | 16 - 140     |
| Isophorone                    | ND            |                  | 32.0        | 29.8      |              | ug/L |   | 93   | 48 - 133     |
| Naphthalene                   | ND            |                  | 32.0        | 29.0      |              | ug/L |   | 90   | 45 - 120     |
| Nitrobenzene                  | ND            |                  | 32.0        | 29.1      |              | ug/L |   | 91   | 45 - 123     |
| N-Nitrosodi-n-propylamine     | ND            |                  | 32.0        | 28.9      |              | ug/L |   | 90   | 49 - 120     |
| N-Nitrosodiphenylamine        | ND            |                  | 32.0        | 30.5      |              | ug/L |   | 95   | 39 - 138     |
| Pentachlorophenol             | ND            |                  | 64.0        | 85.2      |              | ug/L |   | 133  | 23 - 149     |
| Phenanthrene                  | 0.51          | J F1             | 32.0        | 40.7      | F1           | ug/L |   | 126  | 65 - 122     |
| Phenol                        | ND            |                  | 32.0        | 19.3      |              | ug/L |   | 60   | 16 - 120     |
| Pyrene                        | ND            | F2               | 32.0        | 29.6      |              | ug/L |   | 93   | 58 - 128     |

| Surrogate            | MS %Recovery | MS Qualifier | Limits   |
|----------------------|--------------|--------------|----------|
| 2,4,6-Tribromophenol | 119          |              | 41 - 120 |
| 2-Fluorobiphenyl     | 91           |              | 48 - 120 |
| 2-Fluorophenol       | 68           |              | 35 - 120 |
| Nitrobenzene-d5      | 81           |              | 46 - 120 |
| Phenol-d5            | 54           |              | 22 - 120 |
| p-Terphenyl-d14      | 70           |              | 59 - 136 |



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: 480-154306-2 MSD

Matrix: Water

Analysis Batch: 477043

Client Sample ID: LMW-03

Prep Type: Total/NA

Prep Batch: 475921

| Analyte                       | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 2,4,5-Trichlorophenol         | ND            |                  | 32.0        | 33.1       |               | ug/L |   | 103  | 65 - 126     | 15  | 18        |
| 2,4,6-Trichlorophenol         | ND            | F1               | 32.0        | 41.9       | F1            | ug/L |   | 131  | 64 - 120     | 6   | 19        |
| 2,4-Dichlorophenol            | ND            |                  | 32.0        | 34.1       |               | ug/L |   | 107  | 48 - 132     | 8   | 19        |
| 2,4-Dimethylphenol            | ND            |                  | 32.0        | 32.0       |               | ug/L |   | 100  | 39 - 130     | 9   | 42        |
| 2,4-Dinitrophenol             | ND            |                  | 64.0        | 76.7       |               | ug/L |   | 120  | 21 - 150     | 9   | 22        |
| 2,4-Dinitrotoluene            | ND            | F2               | 32.0        | 36.2       | F2            | ug/L |   | 113  | 54 - 138     | 27  | 20        |
| 2,6-Dinitrotoluene            | ND            |                  | 32.0        | 30.5       |               | ug/L |   | 95   | 17 - 150     | 8   | 15        |
| 2-Chloronaphthalene           | ND            |                  | 32.0        | 39.3       |               | ug/L |   | 123  | 52 - 124     | 4   | 21        |
| 2-Chlorophenol                | ND            |                  | 32.0        | 29.3       |               | ug/L |   | 92   | 48 - 120     | 9   | 25        |
| 2-Methylnaphthalene           | ND            |                  | 32.0        | 31.7       |               | ug/L |   | 99   | 34 - 140     | 9   | 21        |
| 2-Methylphenol                | ND            |                  | 32.0        | 30.9       |               | ug/L |   | 97   | 46 - 120     | 10  | 27        |
| 2-Nitroaniline                | ND            |                  | 32.0        | 33.6       |               | ug/L |   | 105  | 44 - 136     | 7   | 15        |
| 2-Nitrophenol                 | ND            |                  | 32.0        | 32.2       |               | ug/L |   | 101  | 38 - 141     | 8   | 18        |
| 3,3'-Dichlorobenzidine        | ND            | F2               | 64.0        | 19.7       | F2            | ug/L |   | 31   | 10 - 150     | 43  | 25        |
| 3-Nitroaniline                | ND            |                  | 32.0        | 31.2       |               | ug/L |   | 97   | 32 - 150     | 13  | 19        |
| 4,6-Dinitro-2-methylphenol    | ND            |                  | 64.0        | 79.9       |               | ug/L |   | 125  | 38 - 150     | 7   | 15        |
| 4-Bromophenyl phenyl ether    | ND            | F2               | 32.0        | 38.6       | F2            | ug/L |   | 121  | 63 - 126     | 26  | 15        |
| 4-Chloro-3-methylphenol       | ND            |                  | 32.0        | 33.0       |               | ug/L |   | 103  | 64 - 127     | 8   | 27        |
| 4-Chloroaniline               | ND            |                  | 32.0        | 29.7       |               | ug/L |   | 93   | 16 - 124     | 14  | 22        |
| 4-Chlorophenyl phenyl ether   | ND            |                  | 32.0        | 33.9       |               | ug/L |   | 106  | 61 - 120     | 8   | 16        |
| 4-Methylphenol                | ND            |                  | 32.0        | 30.3       |               | ug/L |   | 95   | 36 - 120     | 11  | 24        |
| 4-Nitroaniline                | ND            |                  | 32.0        | 32.4       |               | ug/L |   | 101  | 32 - 150     | 8   | 24        |
| 4-Nitrophenol                 | ND            |                  | 64.0        | 55.9       |               | ug/L |   | 87   | 23 - 132     | 21  | 48        |
| Acenaphthene                  | ND            |                  | 32.0        | 33.2       |               | ug/L |   | 104  | 48 - 120     | 8   | 24        |
| Acenaphthylene                | ND            |                  | 32.0        | 34.6       |               | ug/L |   | 108  | 63 - 120     | 8   | 18        |
| Acetophenone                  | ND            |                  | 32.0        | 30.9       |               | ug/L |   | 97   | 53 - 120     | 8   | 20        |
| Anthracene                    | ND            |                  | 32.0        | 33.9       |               | ug/L |   | 106  | 65 - 122     | 0   | 15        |
| Atrazine                      | ND            | F2               | 64.0        | 61.1       | F2            | ug/L |   | 96   | 50 - 150     | 22  | 20        |
| Benzaldehyde                  | ND            |                  | 64.0        | 56.7       |               | ug/L |   | 89   | 10 - 150     | 8   | 20        |
| Benzo(a)anthracene            | ND            |                  | 32.0        | 33.7       |               | ug/L |   | 105  | 43 - 124     | 14  | 15        |
| Benzo(a)pyrene                | ND            |                  | 32.0        | 29.7       |               | ug/L |   | 93   | 23 - 125     | 13  | 15        |
| Benzo(b)fluoranthene          | ND            |                  | 32.0        | 31.2       |               | ug/L |   | 98   | 27 - 127     | 7   | 15        |
| Benzo(g,h,i)perylene          | ND            |                  | 32.0        | 32.5       |               | ug/L |   | 102  | 16 - 147     | 14  | 15        |
| Benzo(k)fluoranthene          | ND            |                  | 32.0        | 32.8       |               | ug/L |   | 102  | 20 - 124     | 18  | 22        |
| Biphenyl                      | ND            |                  | 32.0        | 32.2       |               | ug/L |   | 101  | 57 - 120     | 8   | 20        |
| bis (2-chloroisopropyl) ether | ND            |                  | 32.0        | 28.4       |               | ug/L |   | 89   | 28 - 121     | 7   | 24        |
| Bis(2-chloroethoxy)methane    | ND            |                  | 32.0        | 31.9       |               | ug/L |   | 100  | 44 - 128     | 11  | 17        |
| Bis(2-chloroethyl)ether       | ND            |                  | 32.0        | 29.1       |               | ug/L |   | 91   | 45 - 120     | 7   | 21        |
| Bis(2-ethylhexyl) phthalate   | ND            |                  | 32.0        | 36.2       |               | ug/L |   | 113  | 16 - 150     | 15  | 15        |
| Butyl benzyl phthalate        | ND            |                  | 32.0        | 35.5       |               | ug/L |   | 111  | 51 - 140     | 12  | 16        |
| Caprolactam                   | ND            |                  | 64.0        | 25.0       |               | ug/L |   | 39   | 10 - 120     | 11  | 20        |
| Carbazole                     | ND            |                  | 32.0        | 37.9       |               | ug/L |   | 118  | 16 - 148     | 1   | 20        |
| Chrysene                      | ND            |                  | 32.0        | 35.6       |               | ug/L |   | 111  | 44 - 122     | 11  | 15        |
| Dibenz(a,h)anthracene         | ND            |                  | 32.0        | 32.8       |               | ug/L |   | 103  | 16 - 139     | 14  | 15        |
| Dibenzofuran                  | ND            |                  | 32.0        | 33.4       |               | ug/L |   | 104  | 60 - 120     | 8   | 15        |
| Diethyl phthalate             | ND            |                  | 32.0        | 28.6       |               | ug/L |   | 89   | 53 - 133     | 10  | 15        |
| Dimethyl phthalate            | ND            |                  | 32.0        | 35.6       |               | ug/L |   | 111  | 59 - 123     | 6   | 15        |
| Di-n-butyl phthalate          | ND            |                  | 32.0        | 37.3       |               | ug/L |   | 117  | 65 - 129     | 12  | 15        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154306-1

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

Lab Sample ID: 480-154306-2 MSD

Matrix: Water

Analysis Batch: 477043

Client Sample ID: LMW-03

Prep Type: Total/NA

Prep Batch: 475921

| Analyte                   | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Di-n-octyl phthalate      | ND            |                  | 32.0        | 35.8       |               | ug/L |   | 112  | 16 - 150     | 14  | 16        |
| Fluoranthene              | ND            | F2               | 32.0        | 38.1       | F2            | ug/L |   | 119  | 63 - 129     | 17  | 15        |
| Fluorene                  | ND            |                  | 32.0        | 35.1       |               | ug/L |   | 110  | 62 - 120     | 6   | 15        |
| Hexachlorobenzene         | ND            | F1               | 32.0        | 39.0       | F1            | ug/L |   | 122  | 57 - 121     | 11  | 15        |
| Hexachlorobutadiene       | ND            |                  | 32.0        | 27.0       |               | ug/L |   | 84   | 37 - 120     | 9   | 44        |
| Hexachlorocyclopentadiene | ND            |                  | 32.0        | 27.7       |               | ug/L |   | 87   | 21 - 120     | 4   | 49        |
| Hexachloroethane          | ND            |                  | 32.0        | 27.1       |               | ug/L |   | 85   | 16 - 130     | 10  | 46        |
| Indeno(1,2,3-cd)pyrene    | ND            |                  | 32.0        | 32.3       |               | ug/L |   | 101  | 16 - 140     | 13  | 15        |
| Isophorone                | ND            |                  | 32.0        | 32.7       |               | ug/L |   | 102  | 48 - 133     | 9   | 17        |
| Naphthalene               | ND            |                  | 32.0        | 31.8       |               | ug/L |   | 99   | 45 - 120     | 9   | 29        |
| Nitrobenzene              | ND            |                  | 32.0        | 31.4       |               | ug/L |   | 98   | 45 - 123     | 8   | 24        |
| N-Nitrosodi-n-propylamine | ND            |                  | 32.0        | 31.6       |               | ug/L |   | 99   | 49 - 120     | 9   | 31        |
| N-Nitrosodiphenylamine    | ND            |                  | 32.0        | 32.5       |               | ug/L |   | 102  | 39 - 138     | 6   | 15        |
| Pentachlorophenol         | ND            |                  | 64.0        | 81.2       |               | ug/L |   | 127  | 23 - 149     | 5   | 37        |
| Phenanthrene              | 0.51          | J F1             | 32.0        | 44.2       | F1            | ug/L |   | 137  | 65 - 122     | 8   | 15        |
| Phenol                    | ND            |                  | 32.0        | 21.1       |               | ug/L |   | 66   | 16 - 120     | 9   | 34        |
| Pyrene                    | ND            | F2               | 32.0        | 37.0       | F2            | ug/L |   | 116  | 58 - 128     | 22  | 19        |

| Surrogate            | MSD %Recovery | MSD Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol | 132           | X             | 41 - 120 |
| 2-Fluorobiphenyl     | 99            |               | 48 - 120 |
| 2-Fluorophenol       | 74            |               | 35 - 120 |
| Nitrobenzene-d5      | 87            |               | 46 - 120 |
| Phenol-d5            | 62            |               | 22 - 120 |
| p-Terphenyl-d14      | 83            |               | 59 - 136 |

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-475931/1-A

Matrix: Water

Analysis Batch: 476158

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475931

| Analyte          | MB Result    | MB Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND           |              | 0.20     | 0.10 | ug/L |   | 06/03/19 16:02 | 06/04/19 17:58 | 1       |
| Isotope Dilution | MB %Recovery | MB Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 33           |              | 15 - 110 |      |      |   | 06/03/19 16:02 | 06/04/19 17:58 | 1       |

Lab Sample ID: LCS 480-475931/2-A

Matrix: Water

Analysis Batch: 476158

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475931

| Analyte          | Spike Added   | LCS Result    | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------|---------------|---------------|---------------|------|---|------|--------------|
| 1,4-Dioxane      | 1.00          | 1.17          |               | ug/L |   | 117  | 40 - 140     |
| Isotope Dilution | LCS %Recovery | LCS Qualifier | Limits        |      |   |      |              |
| 1,4-Dioxane-d8   | 29            |               | 15 - 110      |      |   |      |              |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

(Continued)

Lab Sample ID: 480-154306-2 MS

Matrix: Water

Analysis Batch: 476158

Client Sample ID: LMW-03

Prep Type: Total/NA

Prep Batch: 475931

| Analyte                 | Sample Result    | Sample Qualifier | Spike Added   | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------|------------------|------------------|---------------|-----------|--------------|------|---|------|--------------|
| 1,4-Dioxane             | 0.43             |                  | 1.00          | 1.43      | E            | ug/L |   | 99   | 40 - 140     |
| <i>MS MS</i>            |                  |                  |               |           |              |      |   |      |              |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |           |              |      |   |      |              |
| 1,4-Dioxane-d8          | 29               |                  | 15 - 110      |           |              |      |   |      |              |

Lab Sample ID: 480-154306-2 MSD

Matrix: Water

Analysis Batch: 476158

Client Sample ID: LMW-03

Prep Type: Total/NA

Prep Batch: 475931

| Analyte                 | Sample Result    | Sample Qualifier | Spike Added   | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|-------------------------|------------------|------------------|---------------|------------|---------------|------|---|------|--------------|-----|-------|
| 1,4-Dioxane             | 0.43             |                  | 1.00          | 1.44       | E             | ug/L |   | 101  | 40 - 140     | 1   | 20    |
| <i>MSD MSD</i>          |                  |                  |               |            |               |      |   |      |              |     |       |
| <i>Isotope Dilution</i> | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |            |               |      |   |      |              |     |       |
| 1,4-Dioxane-d8          | 30               |                  | 15 - 110      |            |               |      |   |      |              |     |       |

## Method: 310.13 - Identification of Routine Petroleum Products

Lab Sample ID: MB 480-475928/1-A

Matrix: Water

Analysis Batch: 476051

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475928

| Analyte              | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND        |              | 0.20 | 0.20 | mg/L |   | 06/03/19 15:58 | 06/04/19 15:41 | 1       |
| Kerosene             | ND        |              | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 15:41 | 1       |
| Motor Oil            | ND        |              | 1.0  | 1.0  | mg/L |   | 06/03/19 15:58 | 06/04/19 15:41 | 1       |
| Fuel Oil #2          | ND        |              | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 15:41 | 1       |
| Fuel Oil #4          | ND        |              | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 15:41 | 1       |
| Fuel Oil #6          | ND        |              | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 15:41 | 1       |
| Unknown Hydrocarbons | ND        |              | 0.20 | 0.20 | mg/L |   | 06/03/19 15:58 | 06/04/19 15:41 | 1       |

Lab Sample ID: LCS 480-475928/2-A

Matrix: Water

Analysis Batch: 476051

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475928

| Analyte     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------|-------------|------------|---------------|------|---|------|--------------|
| Fuel Oil #2 | 1.50        | 1.26       |               | mg/L |   | 84   | 50 - 150     |

Lab Sample ID: 480-154306-2 MS

Matrix: Water

Analysis Batch: 476051

Client Sample ID: LMW-03

Prep Type: Total/NA

Prep Batch: 475928

| Analyte     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Fuel Oil #2 | ND            |                  | 1.50        | 1.50      |              | mg/L |   | 100  | 50 - 150     |

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

## Method: 310.13 - Identification of Routine Petroleum Products (Continued)

Lab Sample ID: 480-154306-2 MSD  
Matrix: Water  
Analysis Batch: 476051

Client Sample ID: LMW-03  
Prep Type: Total/NA  
Prep Batch: 475928

| Analyte     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Fuel Oil #2 | ND            |                  | 1.50        | 1.44       |               | mg/L |   | 96   | 50 - 150     | 4   | 50        |

## Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-475990/1-A  
Matrix: Water  
Analysis Batch: 476203

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 475990

| Analyte                | MB Result    | MB Qualifier | RL       | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND           |              | 0.050    | 0.0092 | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| 4,4'-DDE               | ND           |              | 0.050    | 0.012  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| 4,4'-DDT               | ND           |              | 0.050    | 0.011  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Aldrin                 | ND           |              | 0.050    | 0.0081 | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| alpha-BHC              | ND           |              | 0.050    | 0.0077 | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| cis-Chlordane          | ND           |              | 0.050    | 0.015  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| beta-BHC               | ND           |              | 0.050    | 0.025  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| delta-BHC              | ND           |              | 0.050    | 0.010  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Dieldrin               | ND           |              | 0.050    | 0.0098 | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Endosulfan I           | ND           |              | 0.050    | 0.011  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Endosulfan II          | ND           |              | 0.050    | 0.012  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Endosulfan sulfate     | ND           |              | 0.050    | 0.016  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Endrin                 | ND           |              | 0.050    | 0.014  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Endrin aldehyde        | ND           |              | 0.050    | 0.016  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Endrin ketone          | ND           |              | 0.050    | 0.012  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| gamma-BHC (Lindane)    | ND           |              | 0.050    | 0.0080 | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| trans-Chlordane        | ND           |              | 0.050    | 0.011  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Heptachlor             | ND           |              | 0.050    | 0.0085 | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Heptachlor epoxide     | ND           |              | 0.050    | 0.0074 | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Methoxychlor           | ND           |              | 0.050    | 0.014  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Toxaphene              | ND           |              | 0.50     | 0.12   | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Surrogate              | MB %Recovery | MB Qualifier | Limits   |        |      |   | Prepared       | Analyzed       | Dil Fac |
| DCB Decachlorobiphenyl | 40           |              | 20 - 120 |        |      |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Tetrachloro-m-xylene   | 75           |              | 44 - 120 |        |      |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |

Lab Sample ID: LCS 480-475990/2-A  
Matrix: Water  
Analysis Batch: 476203

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 475990

| Analyte       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------|-------------|------------|---------------|------|---|------|--------------|
| 4,4'-DDD      | 0.400       | 0.448      |               | ug/L |   | 112  | 64 - 129     |
| 4,4'-DDE      | 0.400       | 0.352      |               | ug/L |   | 88   | 50 - 120     |
| 4,4'-DDT      | 0.400       | 0.448      |               | ug/L |   | 112  | 59 - 120     |
| Aldrin        | 0.400       | 0.225      |               | ug/L |   | 56   | 40 - 125     |
| alpha-BHC     | 0.400       | 0.327      |               | ug/L |   | 82   | 52 - 125     |
| cis-Chlordane | 0.400       | 0.360      |               | ug/L |   | 90   | 52 - 120     |
| beta-BHC      | 0.400       | 0.358      |               | ug/L |   | 90   | 51 - 120     |
| delta-BHC     | 0.400       | 0.420      |               | ug/L |   | 105  | 51 - 120     |
| Dieldrin      | 0.400       | 0.424      |               | ug/L |   | 106  | 66 - 128     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: LCS 480-475990/2-A

Matrix: Water

Analysis Batch: 476203

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475990

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|------|---|------|--------------|
| Endosulfan I        | 0.400       | 0.414      |               | ug/L |   | 103  | 57 - 120     |
| Endosulfan II       | 0.400       | 0.464      |               | ug/L |   | 116  | 66 - 131     |
| Endosulfan sulfate  | 0.400       | 0.426      |               | ug/L |   | 107  | 66 - 136     |
| Endrin              | 0.400       | 0.443      |               | ug/L |   | 111  | 65 - 135     |
| Endrin aldehyde     | 0.400       | 0.342      |               | ug/L |   | 85   | 61 - 134     |
| Endrin ketone       | 0.400       | 0.454      |               | ug/L |   | 114  | 71 - 133     |
| gamma-BHC (Lindane) | 0.400       | 0.368      |               | ug/L |   | 92   | 56 - 120     |
| trans-Chlordane     | 0.400       | 0.359      |               | ug/L |   | 90   | 54 - 120     |
| Heptachlor          | 0.400       | 0.346      |               | ug/L |   | 87   | 58 - 120     |
| Heptachlor epoxide  | 0.400       | 0.411      |               | ug/L |   | 103  | 65 - 125     |
| Methoxychlor        | 0.400       | 0.469      |               | ug/L |   | 117  | 50 - 150     |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| DCB Decachlorobiphenyl | 27            |               | 20 - 120 |
| Tetrachloro-m-xylene   | 77            |               | 44 - 120 |

Lab Sample ID: 480-154306-2 MS

Matrix: Water

Analysis Batch: 476203

Client Sample ID: LMW-03

Prep Type: Total/NA

Prep Batch: 475990

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 4,4'-DDD            | ND            |                  | 0.400       | 0.328     |              | ug/L |   | 82   | 57 - 130     |
| 4,4'-DDE            | ND            |                  | 0.400       | 0.245     |              | ug/L |   | 61   | 39 - 120     |
| 4,4'-DDT            | ND            |                  | 0.400       | 0.315     |              | ug/L |   | 79   | 37 - 130     |
| Aldrin              | ND            |                  | 0.400       | 0.209     |              | ug/L |   | 52   | 39 - 125     |
| alpha-BHC           | ND            |                  | 0.400       | 0.291     |              | ug/L |   | 73   | 48 - 120     |
| cis-Chlordane       | ND            |                  | 0.400       | 0.273     |              | ug/L |   | 68   | 44 - 120     |
| beta-BHC            | ND            |                  | 0.400       | 0.339     |              | ug/L |   | 85   | 49 - 120     |
| delta-BHC           | ND            |                  | 0.400       | 0.348     |              | ug/L |   | 87   | 50 - 120     |
| Dieldrin            | ND            |                  | 0.400       | 0.364     |              | ug/L |   | 91   | 56 - 130     |
| Endosulfan I        | ND            |                  | 0.400       | 0.326     |              | ug/L |   | 82   | 40 - 126     |
| Endosulfan II       | ND            |                  | 0.400       | 0.364     |              | ug/L |   | 91   | 59 - 140     |
| Endosulfan sulfate  | ND            |                  | 0.400       | 0.387     |              | ug/L |   | 97   | 60 - 134     |
| Endrin              | ND            |                  | 0.400       | 0.355     |              | ug/L |   | 89   | 54 - 135     |
| Endrin aldehyde     | ND            |                  | 0.400       | 0.353     |              | ug/L |   | 88   | 50 - 142     |
| Endrin ketone       | ND            |                  | 0.400       | 0.418     |              | ug/L |   | 104  | 57 - 138     |
| gamma-BHC (Lindane) | ND            |                  | 0.400       | 0.303     |              | ug/L |   | 76   | 50 - 120     |
| trans-Chlordane     | ND            |                  | 0.400       | 0.283     |              | ug/L |   | 71   | 42 - 120     |
| Heptachlor          | ND            |                  | 0.400       | 0.295     |              | ug/L |   | 74   | 56 - 120     |
| Heptachlor epoxide  | ND            |                  | 0.400       | 0.335     |              | ug/L |   | 84   | 58 - 125     |
| Methoxychlor        | ND            |                  | 0.400       | 0.390     |              | ug/L |   | 98   | 40 - 150     |

| Surrogate              | MS %Recovery | MS Qualifier | Limits   |
|------------------------|--------------|--------------|----------|
| DCB Decachlorobiphenyl | 33           |              | 20 - 120 |
| Tetrachloro-m-xylene   | 77           |              | 44 - 120 |

## QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: 480-154306-2 MSD

Matrix: Water

Analysis Batch: 476203

Client Sample ID: LMW-03

Prep Type: Total/NA

Prep Batch: 475990

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 4,4'-DDD            | ND            |                  | 0.400       | 0.353      |               | ug/L |   | 88   | 57 - 130     | 7   | 23        |
| 4,4'-DDE            | ND            |                  | 0.400       | 0.273      |               | ug/L |   | 68   | 39 - 120     | 11  | 22        |
| 4,4'-DDT            | ND            |                  | 0.400       | 0.329      |               | ug/L |   | 82   | 37 - 130     | 4   | 24        |
| Aldrin              | ND            |                  | 0.400       | 0.229      |               | ug/L |   | 57   | 39 - 125     | 9   | 25        |
| alpha-BHC           | ND            |                  | 0.400       | 0.313      |               | ug/L |   | 78   | 48 - 120     | 7   | 24        |
| cis-Chlordane       | ND            |                  | 0.400       | 0.300      |               | ug/L |   | 75   | 44 - 120     | 9   | 23        |
| beta-BHC            | ND            |                  | 0.400       | 0.352      |               | ug/L |   | 88   | 49 - 120     | 4   | 24        |
| delta-BHC           | ND            |                  | 0.400       | 0.363      |               | ug/L |   | 91   | 50 - 120     | 4   | 24        |
| Dieldrin            | ND            |                  | 0.400       | 0.385      |               | ug/L |   | 96   | 56 - 130     | 6   | 24        |
| Endosulfan I        | ND            |                  | 0.400       | 0.353      |               | ug/L |   | 88   | 40 - 126     | 8   | 30        |
| Endosulfan II       | ND            |                  | 0.400       | 0.388      |               | ug/L |   | 97   | 59 - 140     | 6   | 40        |
| Endosulfan sulfate  | ND            |                  | 0.400       | 0.404      |               | ug/L |   | 101  | 60 - 134     | 4   | 24        |
| Endrin              | ND            |                  | 0.400       | 0.382      |               | ug/L |   | 96   | 54 - 135     | 7   | 24        |
| Endrin aldehyde     | ND            |                  | 0.400       | 0.383      |               | ug/L |   | 96   | 50 - 142     | 8   | 28        |
| Endrin ketone       | ND            |                  | 0.400       | 0.428      |               | ug/L |   | 107  | 57 - 138     | 2   | 26        |
| gamma-BHC (Lindane) | ND            |                  | 0.400       | 0.325      |               | ug/L |   | 81   | 50 - 120     | 7   | 24        |
| trans-Chlordane     | ND            |                  | 0.400       | 0.308      |               | ug/L |   | 77   | 42 - 120     | 8   | 24        |
| Heptachlor          | ND            |                  | 0.400       | 0.310      |               | ug/L |   | 77   | 56 - 120     | 5   | 25        |
| Heptachlor epoxide  | ND            |                  | 0.400       | 0.364      |               | ug/L |   | 91   | 58 - 125     | 8   | 23        |
| Methoxychlor        | ND            |                  | 0.400       | 0.404      |               | ug/L |   | 101  | 40 - 150     | 3   | 26        |

| Surrogate              | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| DCB Decachlorobiphenyl | 32            |               | 20 - 120 |
| Tetrachloro-m-xylene   | 78            |               | 44 - 120 |

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

Lab Sample ID: MB 480-475992/1-A

Matrix: Water

Analysis Batch: 476119

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475992

| Analyte  | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| PCB-1016 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| PCB-1221 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| PCB-1232 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| PCB-1242 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| PCB-1248 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| PCB-1254 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| PCB-1260 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| PCB-1262 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| PCB-1268 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 66           |              | 39 - 121 | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| DCB Decachlorobiphenyl | 42           |              | 19 - 120 | 06/04/19 08:00 | 06/04/19 17:30 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

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

Lab Sample ID: LCS 480-475992/2-A

Matrix: Water

Analysis Batch: 476119

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475992

|                        |           |           | Spike    | LCS    | LCS       |      |   |      | %Rec.    |  |  |
|------------------------|-----------|-----------|----------|--------|-----------|------|---|------|----------|--|--|
| Analyte                |           |           | Added    | Result | Qualifier | Unit | D | %Rec | Limits   |  |  |
| PCB-1016               |           |           | 4.00     | 2.67   |           | ug/L |   | 67   | 62 - 130 |  |  |
| PCB-1260               |           |           | 4.00     | 2.83   |           | ug/L |   | 71   | 56 - 123 |  |  |
|                        |           |           | LCS      | LCS    |           |      |   |      |          |  |  |
| Surrogate              | %Recovery | Qualifier | Limits   |        |           |      |   |      |          |  |  |
| Tetrachloro-m-xylene   | 59        |           | 39 - 121 |        |           |      |   |      |          |  |  |
| DCB Decachlorobiphenyl | 36        |           | 19 - 120 |        |           |      |   |      |          |  |  |

Lab Sample ID: 480-154306-2 MS

Matrix: Water

Analysis Batch: 476119

Client Sample ID: LMW-03

Prep Type: Total/NA

Prep Batch: 475992

|                        | Sample    | Sample    | Spike    | MS     | MS        |      |   |      | %Rec.    |  |  |
|------------------------|-----------|-----------|----------|--------|-----------|------|---|------|----------|--|--|
| Analyte                | Result    | Qualifier | Added    | Result | Qualifier | Unit | D | %Rec | Limits   |  |  |
| PCB-1016               | ND        |           | 4.00     | 3.08   |           | ug/L |   | 77   | 28 - 150 |  |  |
| PCB-1260               | ND        |           | 4.00     | 2.63   |           | ug/L |   | 66   | 25 - 131 |  |  |
| Surrogate              | MS        | MS        |          |        |           |      |   |      |          |  |  |
|                        | %Recovery | Qualifier | Limits   |        |           |      |   |      |          |  |  |
| Tetrachloro-m-xylene   | 74        |           | 39 - 121 |        |           |      |   |      |          |  |  |
| DCB Decachlorobiphenyl | 38        |           | 19 - 120 |        |           |      |   |      |          |  |  |

Lab Sample ID: 480-154306-2 MSD

Matrix: Water

Analysis Batch: 476119

Client Sample ID: LMW-03

Prep Type: Total/NA

Prep Batch: 475992

|                        | Sample           | Sample           | Spike    | MSD    | MSD       |      |   |      | %Rec.    |     | RPD   |
|------------------------|------------------|------------------|----------|--------|-----------|------|---|------|----------|-----|-------|
| Analyte                | Result           | Qualifier        | Added    | Result | Qualifier | Unit | D | %Rec | Limits   | RPD | Limit |
| PCB-1016               | ND               |                  | 4.00     | 3.13   |           | ug/L |   | 78   | 28 - 150 | 1   | 50    |
| PCB-1260               | ND               |                  | 4.00     | 2.70   |           | ug/L |   | 67   | 25 - 131 | 3   | 50    |
| Surrogate              | MSD<br>%Recovery | MSD<br>Qualifier | Limits   |        |           |      |   |      |          |     |       |
| Tetrachloro-m-xylene   | 75               |                  | 39 - 121 |        |           |      |   |      |          |     |       |
| DCB Decachlorobiphenyl | 38               |                  | 19 - 120 |        |           |      |   |      |          |     |       |

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-475916/1-A

Matrix: Water

Analysis Batch: 476995

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475916

| Analyte   | MB Result | MB Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND        |              | 0.20   | 0.060   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Antimony  | ND        |              | 0.020  | 0.0068  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Arsenic   | ND        |              | 0.015  | 0.0056  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Barium    | ND        |              | 0.0020 | 0.00070 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Beryllium | ND        |              | 0.0020 | 0.00030 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Cadmium   | ND        |              | 0.0020 | 0.00050 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Calcium   | ND        |              | 0.50   | 0.10    | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Chromium  | ND        |              | 0.0040 | 0.0010  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Cobalt    | ND        |              | 0.0040 | 0.00063 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Copper    | ND        |              | 0.010  | 0.0016  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154306-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-475916/1-A

Matrix: Water

Analysis Batch: 476995

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475916

| Analyte   | MB<br>Result | MB<br>Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------------|-----------------|--------|---------|------|---|----------------|----------------|---------|
| Iron      | 0.0273       | J               | 0.050  | 0.019   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Lead      | ND           |                 | 0.010  | 0.0030  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Magnesium | ND           |                 | 0.20   | 0.043   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Manganese | 0.00103      | J               | 0.0030 | 0.00040 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Nickel    | ND           |                 | 0.010  | 0.0013  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Potassium | ND           |                 | 0.50   | 0.10    | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Selenium  | ND           |                 | 0.025  | 0.0087  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Silver    | ND           |                 | 0.0060 | 0.0017  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Sodium    | ND           |                 | 1.0    | 0.32    | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Thallium  | ND           |                 | 0.020  | 0.010   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Vanadium  | ND           |                 | 0.0050 | 0.0015  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Zinc      | 0.00531      | J               | 0.010  | 0.0015  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |

Lab Sample ID: LCS 480-475916/2-A

Matrix: Water

Analysis Batch: 476995

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475916

| Analyte   | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|-----------|----------------|---------------|------------------|------|---|------|-----------------|
| Aluminum  | 10.0           | 9.57          |                  | mg/L |   | 96   | 80 - 120        |
| Antimony  | 0.200          | 0.214         |                  | mg/L |   | 107  | 80 - 120        |
| Arsenic   | 0.200          | 0.197         |                  | mg/L |   | 98   | 80 - 120        |
| Barium    | 0.200          | 0.199         |                  | mg/L |   | 99   | 80 - 120        |
| Beryllium | 0.200          | 0.204         |                  | mg/L |   | 102  | 80 - 120        |
| Cadmium   | 0.200          | 0.199         |                  | mg/L |   | 99   | 80 - 120        |
| Calcium   | 10.0           | 9.83          |                  | mg/L |   | 98   | 80 - 120        |
| Chromium  | 0.200          | 0.200         |                  | mg/L |   | 100  | 80 - 120        |
| Cobalt    | 0.200          | 0.187         |                  | mg/L |   | 94   | 80 - 120        |
| Copper    | 0.200          | 0.191         |                  | mg/L |   | 95   | 80 - 120        |
| Iron      | 10.0           | 9.75          |                  | mg/L |   | 98   | 80 - 120        |
| Lead      | 0.200          | 0.190         |                  | mg/L |   | 95   | 80 - 120        |
| Magnesium | 10.0           | 9.61          |                  | mg/L |   | 96   | 80 - 120        |
| Manganese | 0.200          | 0.195         |                  | mg/L |   | 97   | 80 - 120        |
| Nickel    | 0.200          | 0.194         |                  | mg/L |   | 97   | 80 - 120        |
| Potassium | 10.0           | 9.42          |                  | mg/L |   | 94   | 80 - 120        |
| Selenium  | 0.200          | 0.190         |                  | mg/L |   | 95   | 80 - 120        |
| Silver    | 0.0500         | 0.0482        |                  | mg/L |   | 96   | 80 - 120        |
| Sodium    | 10.0           | 9.29          |                  | mg/L |   | 93   | 80 - 120        |
| Thallium  | 0.200          | 0.198         |                  | mg/L |   | 99   | 80 - 120        |
| Vanadium  | 0.200          | 0.197         |                  | mg/L |   | 98   | 80 - 120        |
| Zinc      | 0.200          | 0.206         |                  | mg/L |   | 103  | 80 - 120        |

Lab Sample ID: 480-154306-2 MS

Matrix: Water

Analysis Batch: 476995

Client Sample ID: LMW-03

Prep Type: Total/NA

Prep Batch: 475916

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|-----------------|
| Aluminum | ND               |                     | 10.0           | 9.20         |                 | mg/L |   | 92   | 75 - 125        |
| Antimony | ND               |                     | 0.200          | 0.212        |                 | mg/L |   | 106  | 75 - 125        |
| Arsenic  | ND               |                     | 0.200          | 0.197        |                 | mg/L |   | 99   | 75 - 125        |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-154306-2 MS

Matrix: Water

Analysis Batch: 476995

Client Sample ID: LMW-03

Prep Type: Total/NA

Prep Batch: 475916

| Analyte   | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Barium    | 0.092         |                  | 0.200       | 0.273     |              | mg/L |   | 90   | 75 - 125     |
| Beryllium | ND            |                  | 0.200       | 0.197     |              | mg/L |   | 98   | 75 - 125     |
| Cadmium   | ND            |                  | 0.200       | 0.196     |              | mg/L |   | 98   | 75 - 125     |
| Calcium   | 106           |                  | 10.0        | 101.5     | 4            | mg/L |   | -40  | 75 - 125     |
| Chromium  | ND            |                  | 0.200       | 0.191     |              | mg/L |   | 96   | 75 - 125     |
| Cobalt    | ND            |                  | 0.200       | 0.184     |              | mg/L |   | 92   | 75 - 125     |
| Copper    | 0.0016        | J                | 0.200       | 0.186     |              | mg/L |   | 92   | 75 - 125     |
| Iron      | 0.036         | J B              | 10.0        | 9.33      |              | mg/L |   | 93   | 75 - 125     |
| Lead      | ND            |                  | 0.200       | 0.188     |              | mg/L |   | 94   | 75 - 125     |
| Magnesium | 27.3          | F1               | 10.0        | 33.35     | F1           | mg/L |   | 60   | 75 - 125     |
| Manganese | 0.11          | F1 B             | 0.200       | 0.255     | F1           | mg/L |   | 73   | 75 - 125     |
| Nickel    | 0.0038        | J                | 0.200       | 0.193     |              | mg/L |   | 95   | 75 - 125     |
| Potassium | 4.8           |                  | 10.0        | 13.41     |              | mg/L |   | 86   | 75 - 125     |
| Selenium  | ND            |                  | 0.200       | 0.187     |              | mg/L |   | 93   | 75 - 125     |
| Silver    | ND            |                  | 0.0500      | 0.0475    |              | mg/L |   | 95   | 75 - 125     |
| Sodium    | 37.7          | F1               | 10.0        | 51.46     | F1           | mg/L |   | 137  | 75 - 125     |
| Thallium  | ND            |                  | 0.200       | 0.192     |              | mg/L |   | 96   | 75 - 125     |
| Vanadium  | ND            |                  | 0.200       | 0.189     |              | mg/L |   | 94   | 75 - 125     |
| Zinc      | 0.019         | B                | 0.200       | 0.204     |              | mg/L |   | 92   | 75 - 125     |

Lab Sample ID: 480-154306-2 MSD

Matrix: Water

Analysis Batch: 476995

Client Sample ID: LMW-03

Prep Type: Total/NA

Prep Batch: 475916

| Analyte   | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|-----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-------|
| Aluminum  | ND            |                  | 10.0        | 9.31       |               | mg/L |   | 93   | 75 - 125     | 1   | 20    |
| Antimony  | ND            |                  | 0.200       | 0.216      |               | mg/L |   | 108  | 75 - 125     | 2   | 20    |
| Arsenic   | ND            |                  | 0.200       | 0.201      |               | mg/L |   | 100  | 75 - 125     | 2   | 20    |
| Barium    | 0.092         |                  | 0.200       | 0.278      |               | mg/L |   | 93   | 75 - 125     | 2   | 20    |
| Beryllium | ND            |                  | 0.200       | 0.200      |               | mg/L |   | 100  | 75 - 125     | 2   | 20    |
| Cadmium   | ND            |                  | 0.200       | 0.199      |               | mg/L |   | 100  | 75 - 125     | 2   | 20    |
| Calcium   | 106           |                  | 10.0        | 107.0      | 4             | mg/L |   | 15   | 75 - 125     | 5   | 20    |
| Chromium  | ND            |                  | 0.200       | 0.195      |               | mg/L |   | 97   | 75 - 125     | 2   | 20    |
| Cobalt    | ND            |                  | 0.200       | 0.187      |               | mg/L |   | 93   | 75 - 125     | 1   | 20    |
| Copper    | 0.0016        | J                | 0.200       | 0.189      |               | mg/L |   | 94   | 75 - 125     | 2   | 20    |
| Iron      | 0.036         | J B              | 10.0        | 9.45       |               | mg/L |   | 94   | 75 - 125     | 1   | 20    |
| Lead      | ND            |                  | 0.200       | 0.193      |               | mg/L |   | 96   | 75 - 125     | 2   | 20    |
| Magnesium | 27.3          | F1               | 10.0        | 33.96      | F1            | mg/L |   | 66   | 75 - 125     | 2   | 20    |
| Manganese | 0.11          | F1 B             | 0.200       | 0.270      |               | mg/L |   | 80   | 75 - 125     | 6   | 20    |
| Nickel    | 0.0038        | J                | 0.200       | 0.196      |               | mg/L |   | 96   | 75 - 125     | 1   | 20    |
| Potassium | 4.8           |                  | 10.0        | 13.84      |               | mg/L |   | 90   | 75 - 125     | 3   | 20    |
| Selenium  | ND            |                  | 0.200       | 0.192      |               | mg/L |   | 96   | 75 - 125     | 3   | 20    |
| Silver    | ND            |                  | 0.0500      | 0.0480     |               | mg/L |   | 96   | 75 - 125     | 1   | 20    |
| Sodium    | 37.7          | F1               | 10.0        | 50.96      | F1            | mg/L |   | 132  | 75 - 125     | 1   | 20    |
| Thallium  | ND            |                  | 0.200       | 0.195      |               | mg/L |   | 98   | 75 - 125     | 2   | 20    |
| Vanadium  | ND            |                  | 0.200       | 0.193      |               | mg/L |   | 96   | 75 - 125     | 2   | 20    |
| Zinc      | 0.019         | B                | 0.200       | 0.205      |               | mg/L |   | 93   | 75 - 125     | 1   | 20    |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-476061/1-A

Matrix: Water

Analysis Batch: 476143

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 476061

| Analyte | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------------|-----------------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND           |                 | 0.00020 | 0.00012 | mg/L |   | 06/04/19 11:31 | 06/04/19 14:14 | 1       |

Lab Sample ID: LCS 480-476061/2-A

Matrix: Water

Analysis Batch: 476143

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476061

| Analyte | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------|----------------|---------------|------------------|------|---|------|-----------------|
| Mercury | 0.00667        | 0.00707       |                  | mg/L |   | 106  | 80 - 120        |

Lab Sample ID: 480-154306-2 MS

Matrix: Water

Analysis Batch: 476143

Client Sample ID: LMW-03

Prep Type: Total/NA

Prep Batch: 476061

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|-----------------|
| Mercury | ND               |                     | 0.00667        | 0.00733      |                 | mg/L |   | 110  | 80 - 120        |

Lab Sample ID: 480-154306-2 MSD

Matrix: Water

Analysis Batch: 476143

Client Sample ID: LMW-03

Prep Type: Total/NA

Prep Batch: 476061

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|---------|------------------|---------------------|----------------|---------------|------------------|------|---|------|-----------------|-----|--------------|
| Mercury | ND               |                     | 0.00667        | 0.00715       |                  | mg/L |   | 107  | 80 - 120        | 3   | 20           |

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

## GC/MS VOA

### Analysis Batch: 475879

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-154306-2     | LMW-03             | Total/NA  | Water  | 8260C  |            |
| 480-154306-3     | LMW-02             | Total/NA  | Water  | 8260C  |            |
| MB 480-475879/7  | Method Blank       | Total/NA  | Water  | 8260C  |            |
| LCS 480-475879/5 | Lab Control Sample | Total/NA  | Water  | 8260C  |            |
| 480-154306-2 MS  | LMW-03             | Total/NA  | Water  | 8260C  |            |
| 480-154306-2 MSD | LMW-03             | Total/NA  | Water  | 8260C  |            |

### Analysis Batch: 476003

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 480-154306-3 - DL | LMW-02                 | Total/NA  | Water  | 8260C  |            |
| MB 480-476003/8   | Method Blank           | Total/NA  | Water  | 8260C  |            |
| LCS 480-476003/5  | Lab Control Sample     | Total/NA  | Water  | 8260C  |            |
| LCSD 480-476003/6 | Lab Control Sample Dup | Total/NA  | Water  | 8260C  |            |
| 480-154306-3 MS   | LMW-02                 | Total/NA  | Water  | 8260C  |            |
| 480-154306-3 MSD  | LMW-02                 | Total/NA  | Water  | 8260C  |            |

## GC/MS Semi VOA

### Prep Batch: 475921

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154306-1       | MW-01-10           | Total/NA  | Water  | 3510C  |            |
| 480-154306-2       | LMW-03             | Total/NA  | Water  | 3510C  |            |
| 480-154306-3       | LMW-02             | Total/NA  | Water  | 3510C  |            |
| MB 480-475921/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-475921/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |
| 480-154306-2 MS    | LMW-03             | Total/NA  | Water  | 3510C  |            |
| 480-154306-2 MSD   | LMW-03             | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 475931

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154306-1       | MW-01-10           | Total/NA  | Water  | 3510C  |            |
| 480-154306-2       | LMW-03             | Total/NA  | Water  | 3510C  |            |
| 480-154306-3       | LMW-02             | Total/NA  | Water  | 3510C  |            |
| MB 480-475931/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-475931/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |
| 480-154306-2 MS    | LMW-03             | Total/NA  | Water  | 3510C  |            |
| 480-154306-2 MSD   | LMW-03             | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 476158

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method       | Prep Batch |
|--------------------|--------------------|-----------|--------|--------------|------------|
| 480-154306-1       | MW-01-10           | Total/NA  | Water  | 8270D SIM ID | 475931     |
| 480-154306-2       | LMW-03             | Total/NA  | Water  | 8270D SIM ID | 475931     |
| MB 480-475931/1-A  | Method Blank       | Total/NA  | Water  | 8270D SIM ID | 475931     |
| LCS 480-475931/2-A | Lab Control Sample | Total/NA  | Water  | 8270D SIM ID | 475931     |
| 480-154306-2 MS    | LMW-03             | Total/NA  | Water  | 8270D SIM ID | 475931     |
| 480-154306-2 MSD   | LMW-03             | Total/NA  | Water  | 8270D SIM ID | 475931     |

### Analysis Batch: 476593

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 480-154306-3  | LMW-02           | Total/NA  | Water  | 8270D SIM ID | 475931     |

Eurofins TestAmerica, Buffalo

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

## GC/MS Semi VOA

### Analysis Batch: 477043

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154306-1       | MW-01-10           | Total/NA  | Water  | 8270D  | 475921     |
| 480-154306-2       | LMW-03             | Total/NA  | Water  | 8270D  | 475921     |
| 480-154306-3       | LMW-02             | Total/NA  | Water  | 8270D  | 475921     |
| MB 480-475921/1-A  | Method Blank       | Total/NA  | Water  | 8270D  | 475921     |
| LCS 480-475921/2-A | Lab Control Sample | Total/NA  | Water  | 8270D  | 475921     |
| 480-154306-2 MS    | LMW-03             | Total/NA  | Water  | 8270D  | 475921     |
| 480-154306-2 MSD   | LMW-03             | Total/NA  | Water  | 8270D  | 475921     |

## GC Semi VOA

### Prep Batch: 475928

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154306-1       | MW-01-10           | Total/NA  | Water  | 3510C  |            |
| 480-154306-2       | LMW-03             | Total/NA  | Water  | 3510C  |            |
| 480-154306-3       | LMW-02             | Total/NA  | Water  | 3510C  |            |
| MB 480-475928/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-475928/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |
| 480-154306-2 MS    | LMW-03             | Total/NA  | Water  | 3510C  |            |
| 480-154306-2 MSD   | LMW-03             | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 475990

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154306-1       | MW-01-10           | Total/NA  | Water  | 3510C  |            |
| 480-154306-2       | LMW-03             | Total/NA  | Water  | 3510C  |            |
| 480-154306-3       | LMW-02             | Total/NA  | Water  | 3510C  |            |
| MB 480-475990/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-475990/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |
| 480-154306-2 MS    | LMW-03             | Total/NA  | Water  | 3510C  |            |
| 480-154306-2 MSD   | LMW-03             | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 475992

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154306-1       | MW-01-10           | Total/NA  | Water  | 3510C  |            |
| 480-154306-2       | LMW-03             | Total/NA  | Water  | 3510C  |            |
| 480-154306-3       | LMW-02             | Total/NA  | Water  | 3510C  |            |
| MB 480-475992/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-475992/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |
| 480-154306-2 MS    | LMW-03             | Total/NA  | Water  | 3510C  |            |
| 480-154306-2 MSD   | LMW-03             | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 476051

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154306-1       | MW-01-10           | Total/NA  | Water  | 310.13 | 475928     |
| 480-154306-2       | LMW-03             | Total/NA  | Water  | 310.13 | 475928     |
| 480-154306-3       | LMW-02             | Total/NA  | Water  | 310.13 | 475928     |
| MB 480-475928/1-A  | Method Blank       | Total/NA  | Water  | 310.13 | 475928     |
| LCS 480-475928/2-A | Lab Control Sample | Total/NA  | Water  | 310.13 | 475928     |
| 480-154306-2 MS    | LMW-03             | Total/NA  | Water  | 310.13 | 475928     |
| 480-154306-2 MSD   | LMW-03             | Total/NA  | Water  | 310.13 | 475928     |

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

## GC Semi VOA

### Analysis Batch: 476119

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154306-1       | MW-01-10           | Total/NA  | Water  | 8082A  | 475992     |
| 480-154306-2       | LMW-03             | Total/NA  | Water  | 8082A  | 475992     |
| 480-154306-3       | LMW-02             | Total/NA  | Water  | 8082A  | 475992     |
| MB 480-475992/1-A  | Method Blank       | Total/NA  | Water  | 8082A  | 475992     |
| LCS 480-475992/2-A | Lab Control Sample | Total/NA  | Water  | 8082A  | 475992     |
| 480-154306-2 MS    | LMW-03             | Total/NA  | Water  | 8082A  | 475992     |
| 480-154306-2 MSD   | LMW-03             | Total/NA  | Water  | 8082A  | 475992     |

### Analysis Batch: 476203

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154306-1       | MW-01-10           | Total/NA  | Water  | 8081B  | 475990     |
| 480-154306-2       | LMW-03             | Total/NA  | Water  | 8081B  | 475990     |
| 480-154306-3       | LMW-02             | Total/NA  | Water  | 8081B  | 475990     |
| MB 480-475990/1-A  | Method Blank       | Total/NA  | Water  | 8081B  | 475990     |
| LCS 480-475990/2-A | Lab Control Sample | Total/NA  | Water  | 8081B  | 475990     |
| 480-154306-2 MS    | LMW-03             | Total/NA  | Water  | 8081B  | 475990     |
| 480-154306-2 MSD   | LMW-03             | Total/NA  | Water  | 8081B  | 475990     |

## Metals

### Prep Batch: 475916

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154306-1       | MW-01-10           | Total/NA  | Water  | 3005A  |            |
| 480-154306-2       | LMW-03             | Total/NA  | Water  | 3005A  |            |
| 480-154306-3       | LMW-02             | Total/NA  | Water  | 3005A  |            |
| MB 480-475916/1-A  | Method Blank       | Total/NA  | Water  | 3005A  |            |
| LCS 480-475916/2-A | Lab Control Sample | Total/NA  | Water  | 3005A  |            |
| 480-154306-2 MS    | LMW-03             | Total/NA  | Water  | 3005A  |            |
| 480-154306-2 MSD   | LMW-03             | Total/NA  | Water  | 3005A  |            |

### Prep Batch: 476061

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154306-1       | MW-01-10           | Total/NA  | Water  | 7470A  |            |
| 480-154306-2       | LMW-03             | Total/NA  | Water  | 7470A  |            |
| 480-154306-3       | LMW-02             | Total/NA  | Water  | 7470A  |            |
| MB 480-476061/1-A  | Method Blank       | Total/NA  | Water  | 7470A  |            |
| LCS 480-476061/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  |            |
| 480-154306-2 MS    | LMW-03             | Total/NA  | Water  | 7470A  |            |
| 480-154306-2 MSD   | LMW-03             | Total/NA  | Water  | 7470A  |            |

### Analysis Batch: 476143

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154306-1       | MW-01-10           | Total/NA  | Water  | 7470A  | 476061     |
| 480-154306-2       | LMW-03             | Total/NA  | Water  | 7470A  | 476061     |
| 480-154306-3       | LMW-02             | Total/NA  | Water  | 7470A  | 476061     |
| MB 480-476061/1-A  | Method Blank       | Total/NA  | Water  | 7470A  | 476061     |
| LCS 480-476061/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  | 476061     |
| 480-154306-2 MS    | LMW-03             | Total/NA  | Water  | 7470A  | 476061     |
| 480-154306-2 MSD   | LMW-03             | Total/NA  | Water  | 7470A  | 476061     |

Eurofins TestAmerica, Buffalo

## QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

### Metals

#### Analysis Batch: 476995

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154306-1       | MW-01-10           | Total/NA  | Water  | 6010C  | 475916     |
| 480-154306-2       | LMW-03             | Total/NA  | Water  | 6010C  | 475916     |
| 480-154306-3       | LMW-02             | Total/NA  | Water  | 6010C  | 475916     |
| MB 480-475916/1-A  | Method Blank       | Total/NA  | Water  | 6010C  | 475916     |
| LCS 480-475916/2-A | Lab Control Sample | Total/NA  | Water  | 6010C  | 475916     |
| 480-154306-2 MS    | LMW-03             | Total/NA  | Water  | 6010C  | 475916     |
| 480-154306-2 MSD   | LMW-03             | Total/NA  | Water  | 6010C  | 475916     |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

**Client Sample ID: MW-01-10**

**Lab Sample ID: 480-154306-1**

**Date Collected: 05/29/19 09:55**

**Matrix: Water**

**Date Received: 05/29/19 15:13**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 475921       | 06/03/19 15:49       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 477043       | 06/10/19 19:44       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475931       | 06/03/19 16:02       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 1               | 476158       | 06/04/19 21:08       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475928       | 06/03/19 15:58       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 476051       | 06/04/19 18:40       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475990       | 06/04/19 07:53       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 476203       | 06/05/19 13:05       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475992       | 06/04/19 08:00       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 476119       | 06/04/19 18:45       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 475916       | 06/04/19 09:09       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 476995       | 06/08/19 20:19       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 476061       | 06/04/19 11:31       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 476143       | 06/04/19 14:18       | BMB     | TAL BUF |

**Client Sample ID: LMW-03**

**Lab Sample ID: 480-154306-2**

**Date Collected: 05/29/19 10:40**

**Matrix: Water**

**Date Received: 05/29/19 15:13**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 475879       | 06/04/19 07:45       | S1V     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475921       | 06/03/19 15:49       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 477043       | 06/10/19 19:16       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475931       | 06/03/19 16:02       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 1               | 476158       | 06/04/19 20:21       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475928       | 06/03/19 15:58       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 476051       | 06/04/19 18:04       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475990       | 06/04/19 07:53       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 476203       | 06/05/19 12:46       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475992       | 06/04/19 08:00       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 476119       | 06/04/19 18:20       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 475916       | 06/04/19 09:09       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 476995       | 06/08/19 20:23       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 476061       | 06/04/19 11:31       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 476143       | 06/04/19 14:20       | BMB     | TAL BUF |

**Client Sample ID: LMW-02**

**Lab Sample ID: 480-154306-3**

**Date Collected: 05/29/19 14:20**

**Matrix: Water**

**Date Received: 05/29/19 15:13**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 10              | 475879       | 06/04/19 02:26       | S1V     | TAL BUF |
| Total/NA  | Analysis   | 8260C        | DL  | 100             | 476003       | 06/04/19 17:44       | KMN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475921       | 06/03/19 15:49       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 1               | 477043       | 06/10/19 20:12       | RJS     | TAL BUF |

Eurofins TestAmerica, Buffalo

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154306-1

**Client Sample ID: LMW-02**

**Lab Sample ID: 480-154306-3**

**Date Collected: 05/29/19 14:20**

**Matrix: Water**

**Date Received: 05/29/19 15:13**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 475931       | 06/03/19 16:02       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 20              | 476593       | 06/06/19 18:05       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475928       | 06/03/19 15:58       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 476051       | 06/04/19 19:16       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475990       | 06/04/19 07:53       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 476203       | 06/05/19 13:25       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475992       | 06/04/19 08:00       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 476119       | 06/04/19 18:57       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 475916       | 06/04/19 09:09       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 476995       | 06/08/19 20:52       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 476061       | 06/04/19 11:31       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 476143       | 06/04/19 14:25       | BMB     | 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.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

### Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|-----------|---------|------------|-----------------------|-----------------|
| New York  | NELAP   | 2          | 10026                 | 03-31-20        |

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              |
|-----------------|-------------|--------|----------------------|
| 310.13          | 3510C       | Water  | Fuel Oil #2          |
| 310.13          | 3510C       | Water  | Fuel Oil #4          |
| 310.13          | 3510C       | Water  | Fuel Oil #6          |
| 310.13          | 3510C       | Water  | Gasoline             |
| 310.13          | 3510C       | Water  | Kerosene             |
| 310.13          | 3510C       | Water  | Motor Oil            |
| 310.13          | 3510C       | Water  | Unknown Hydrocarbons |

## Method Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

| Method       | Method Description                                            | Protocol | Laboratory |
|--------------|---------------------------------------------------------------|----------|------------|
| 8260C        | Volatile Organic Compounds by GC/MS                           | SW846    | TAL BUF    |
| 8270D        | Semivolatile Organic Compounds (GC/MS)                        | SW846    | TAL BUF    |
| 8270D SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | TAL BUF    |
| 310.13       | Identification of Routine Petroleum Products                  | NYASP    | TAL BUF    |
| 8081B        | Organochlorine Pesticides (GC)                                | SW846    | TAL BUF    |
| 8082A        | Polychlorinated Biphenyls (PCBs) by Gas Chromatography        | SW846    | TAL BUF    |
| 6010C        | Metals (ICP)                                                  | SW846    | TAL BUF    |
| 7470A        | Mercury (CVAA)                                                | SW846    | TAL BUF    |
| 3005A        | Preparation, Total Metals                                     | SW846    | TAL BUF    |
| 3510C        | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | TAL BUF    |
| 5030C        | Purge and Trap                                                | SW846    | TAL BUF    |
| 7470A        | Preparation, Mercury                                          | SW846    | TAL BUF    |

### Protocol References:

NYASP = New York Analytical Services Protocol

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: Vibratech #915165

Job ID: 480-154306-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 480-154306-1  | MW-01-10         | Water  | 05/29/19 09:55 | 05/29/19 15:13 |          |
| 480-154306-2  | LMW-03           | Water  | 05/29/19 10:40 | 05/29/19 15:13 |          |
| 480-154306-3  | LMW-02           | Water  | 05/29/19 14:20 | 05/29/19 15:13 |          |

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

|                                                                                                                                                                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                     |             |                                                                                                                                                                                                                                        |        |                                                                                                                                            |                       |                                                                                |              |                         |               |                                                                  |              |                                  |                  |                                                      |  |                         |  |                                                    |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------|--------------|-------------------------|---------------|------------------------------------------------------------------|--------------|----------------------------------|------------------|------------------------------------------------------|--|-------------------------|--|----------------------------------------------------|--|
| Client Contact<br>Company Name: <u>Lineo</u><br>Address: <u>640 Delaware Ave</u><br>City/State/Zip: <u>SEAF, NY 14209</u><br>Phone: <u>(716) 892-5476</u><br>Fax: _____<br>Project Name: <u>NYSDEC</u><br>Site: <u>Vibratex - Quarterly water</u><br>PO #: _____ |  | Sample Manager: <u>O. Johnson</u><br>Tel/Fax: _____<br>Analysis Turnaround Time<br><input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS<br>TAT if different from Below _____<br><input type="checkbox"/> 2 weeks<br><input type="checkbox"/> 1 week<br><input type="checkbox"/> 2 days<br><input type="checkbox"/> 1 day                                                    |             | Site Contact: <u>C. Taylor</u><br>Lab Contact: <u>O. Johnson</u><br>Date: <u>5/29/19</u><br>Carrier: <u>Lineo</u>                                                                                                                      |        | COC No: _____ of _____ COCs<br>Sampler: _____<br>For Lab Use Only:<br>Walk-in Client: _____<br>Lab Sampling: _____<br>Job / SDG No.: _____ |                       |                                                                                |              |                         |               |                                                                  |              |                                  |                  |                                                      |  |                         |  |                                                    |  |
| Sample Identification                                                                                                                                                                                                                                            |  | Sample Date                                                                                                                                                                                                                                                                                                                                                                                         | Sample Time | Sample Type<br>(C=Comp, G=Grab)                                                                                                                                                                                                        | Matrix | # of Cont.                                                                                                                                 | Filtered Sample (Y/N) | Performance (Y/N)                                                              | 02EC VOC/PAH | 002A TEL PCB            | 00815 TEL PCB | 0270D TEL SVOC                                                   | 04310 Hydrol | 0270D Sol 14 Day                 | 6100E TEL Metals | Sample Specific Notes:                               |  |                         |  |                                                    |  |
| MW-01-10                                                                                                                                                                                                                                                         |  | 5/29/19                                                                                                                                                                                                                                                                                                                                                                                             | 1440        | G                                                                                                                                                                                                                                      | G      | 9                                                                                                                                          |                       |                                                                                | -            | 2                       | 2             | 1                                                                | 1            | 1                                | 1                | Low Volume (0.25 L) Hypersol                         |  |                         |  |                                                    |  |
| LMW-03                                                                                                                                                                                                                                                           |  | "                                                                                                                                                                                                                                                                                                                                                                                                   | 1040        | "                                                                                                                                                                                                                                      | "      | 14                                                                                                                                         |                       |                                                                                | 3            | 2                       | 2             | 2                                                                | 2            | 2                                | 1                |                                                      |  |                         |  |                                                    |  |
| LMW-03-MS                                                                                                                                                                                                                                                        |  | "                                                                                                                                                                                                                                                                                                                                                                                                   | 1040        | "                                                                                                                                                                                                                                      | "      | 14                                                                                                                                         |                       |                                                                                | 3            | 2                       | 2             | 2                                                                | 2            | 2                                | 1                |                                                      |  |                         |  |                                                    |  |
| LMW-03-MSD                                                                                                                                                                                                                                                       |  | "                                                                                                                                                                                                                                                                                                                                                                                                   | 1040        | "                                                                                                                                                                                                                                      | "      | 14                                                                                                                                         |                       |                                                                                | 3            | 2                       | 2             | 2                                                                | 2            | 2                                | 1                |                                                      |  |                         |  |                                                    |  |
| LMW-02                                                                                                                                                                                                                                                           |  | "                                                                                                                                                                                                                                                                                                                                                                                                   | 1420        | "                                                                                                                                                                                                                                      | "      | 14                                                                                                                                         |                       |                                                                                | 3            | 2                       | 2             | 2                                                                | 2            | 2                                | 1                |                                                      |  |                         |  |                                                    |  |
| Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____                                                                                                                                                                                    |  | Possible Hazard Identification:<br>Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.<br><input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown |             | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)<br><input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months |        | Special Instructions/QC Requirements & Comments:<br><u>Full (4) Coolers</u>                                                                |                       | Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No |              | Custody Seal No.: _____ |               | Cooler Temp. (°C): Obs'd: _____ Cor'd: _____ Therm ID No.: _____ |              | Relinquished by: <u>Paul Mel</u> |                  | Company: <u>Lineo</u> Date/Time: <u>5/29/19 1533</u> |  | Received by: <u>TAB</u> |  | Company: <u>TAB</u> Date/Time: <u>5/29/19 1533</u> |  |
| Relinquished by: _____                                                                                                                                                                                                                                           |  | Company: _____                                                                                                                                                                                                                                                                                                                                                                                      |             | Date/Time: _____                                                                                                                                                                                                                       |        | Received by: _____                                                                                                                         |                       | Company: _____                                                                 |              | Date/Time: _____        |               | Received in Laboratory by: _____                                 |              | Company: _____                   |                  | Date/Time: _____                                     |  |                         |  |                                                    |  |

## Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-154306-1

**Login Number: 154306**

**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   |         |
| Samples received within 48 hours of sampling.                                    | True   |         |
| Samples requiring field filtration have been filtered in the field.              | True   |         |
| Chlorine Residual checked.                                                       | N/A    |         |

## Quantitation Limit Exceptions Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

| Method | Analyte   | Matrix | Prep Type | Unit | Client RL | Lab PQL |
|--------|-----------|--------|-----------|------|-----------|---------|
| 310.13 | Motor Oil | Water  | Total/NA  | mg/L | 0.40      | 1       |
| 310.13 | Motor Oil | Water  | Total/NA  | mg/L | 0.90      | 1       |

# Isotope Dilution Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154306-1

**Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID   | DXE      |  |  |  |  |  |
|--------------------|--------------------|----------|--|--|--|--|--|
|                    |                    | (15-110) |  |  |  |  |  |
| 480-154306-1       | MW-01-10           | 40       |  |  |  |  |  |
| 480-154306-2       | LMW-03             | 28       |  |  |  |  |  |
| 480-154306-2 MS    | LMW-03             | 29       |  |  |  |  |  |
| 480-154306-2 MSD   | LMW-03             | 30       |  |  |  |  |  |
| 480-154306-3       | LMW-02             | 23       |  |  |  |  |  |
| LCS 480-475931/2-A | Lab Control Sample | 29       |  |  |  |  |  |
| MB 480-475931/1-A  | Method Blank       | 33       |  |  |  |  |  |

### Surrogate Legend

DXE = 1,4-Dioxane-d8



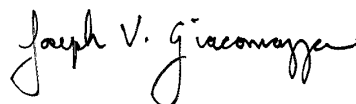
## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-154313-1  
Client Project/Site: Vibratex #915165

For:  
New York State D.E.C.  
270 Michigan Avenue  
Buffalo, New York 14203

Attn: Mr. Maurice Moore



Authorized for release by:  
6/14/2019 3:26:17 PM

Joe Giacomazza, Project Management Assistant II  
[joe.giacomazza@testamericainc.com](mailto:joe.giacomazza@testamericainc.com)

Designee for

Orlette Johnson, Senior Project Manager  
(484)685-0864  
[orlette.johnson@testamericainc.com](mailto:orlette.johnson@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 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.*

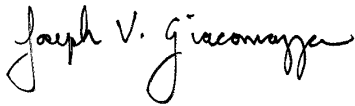
*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



---

Joe Giacomazza  
Project Management Assistant II  
6/14/2019 3:26:17 PM

# Table of Contents

|                                    |    |
|------------------------------------|----|
| Cover Page . . . . .               | 1  |
| Table of Contents . . . . .        | 3  |
| Definitions . . . . .              | 4  |
| Case Narrative . . . . .           | 5  |
| Detection Summary . . . . .        | 7  |
| Client Sample Results . . . . .    | 9  |
| Surrogate Summary . . . . .        | 23 |
| QC Sample Results . . . . .        | 25 |
| QC Association . . . . .           | 38 |
| Chronicle . . . . .                | 41 |
| Certification Summary . . . . .    | 43 |
| Method Summary . . . . .           | 44 |
| Sample Summary . . . . .           | 45 |
| Chain of Custody . . . . .         | 46 |
| Receipt Checklists . . . . .       | 47 |
| Isotope Dilution Summary . . . . . | 48 |



## Definitions/Glossary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

### 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                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |
| X         | Surrogate is outside control limits                                                                            |

#### 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. |
| X         | Surrogate is outside control limits                                                                            |

#### Metals

| 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. |

### 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                                                                                        |
| 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)                                                                             |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| PQL            | Practical Quantitation Limit                                                                                |
| 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)                                                                       |

# Case Narrative

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154313-1

## Job ID: 480-154313-1

### Laboratory: Eurofins TestAmerica, Buffalo

#### Narrative

#### Job Narrative 480-154313-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/31/2019 2:25 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.8° C and 3.0° C.

#### GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-475954 recovered outside acceptance criteria, low biased, for 2-Butanone (MEK). 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.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-7-03 (480-154313-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-475967 recovered outside acceptance criteria, low biased, for 1,1,2-Trichloro-1,2,2-trifluoroethane, Carbon tetrachloride, Cyclohexane and Methylcyclohexane. 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.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-7-03 (480-154313-3). 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) 8270C, 8270D: The following samples were diluted due to the abundance of non-target analytes: MW-8-03 (480-154313-1), MW-8-03-DUP (480-154313-2) and MW-7-03 (480-154313-3). Elevated reporting limits (RLs) are provided.

Method(s) 8270C, 8270D: The following samples required a dilution due to the nature of the sample matrix: MW-8-03 (480-154313-1), MW-8-03-DUP (480-154313-2) and MW-7-03 (480-154313-3). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-477043 recovered outside acceptance criteria, low biased, for 3-Nitroaniline and Carbazole. 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: MW-8-03 (480-154313-1), MW-8-03-DUP (480-154313-2) and MW-7-03 (480-154313-3).

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: The following samples were diluted due to the nature of the sample matrix: MW-8-03 (480-154313-1) and MW-8-03-DUP (480-154313-2). Elevated reporting limits (RLs) are provided.

Method(s) 8082A: Surrogate recovery for the following samples were outside control limits: MW-8-03 (480-154313-1) and MW-8-03-DUP (480-154313-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

#### Metals

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

## Case Narrative

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154313-1

---

### Job ID: 480-154313-1 (Continued)

---

#### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

##### Organic Prep

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

# Detection Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

Client Sample ID: MW-8-03

Lab Sample ID: 480-154313-1

| Analyte                | Result  | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method       | Prep Type |
|------------------------|---------|-----------|--------|---------|------|---------|---|--------------|-----------|
| 1,1-Dichloroethane     | 1.7     |           | 1.0    | 0.38    | ug/L | 1       |   | 8260C        | Total/NA  |
| Acetone                | 4.8     | J         | 10     | 3.0     | ug/L | 1       |   | 8260C        | Total/NA  |
| Carbon disulfide       | 0.20    | J         | 1.0    | 0.19    | ug/L | 1       |   | 8260C        | Total/NA  |
| cis-1,2-Dichloroethene | 4.9     |           | 1.0    | 0.81    | ug/L | 1       |   | 8260C        | Total/NA  |
| Trichloroethene        | 1.3     |           | 1.0    | 0.46    | ug/L | 1       |   | 8260C        | Total/NA  |
| Vinyl chloride         | 2.0     |           | 1.0    | 0.90    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,4-Dioxane            | 0.50    |           | 0.20   | 0.10    | ug/L | 1       |   | 8270D SIM ID | Total/NA  |
| Benzo(a)anthracene     | 10      | J         | 100    | 7.2     | ug/L | 20      |   | 8270D        | Total/NA  |
| Benzo(a)pyrene         | 13      | J         | 100    | 9.4     | ug/L | 20      |   | 8270D        | Total/NA  |
| Benzo(b)fluoranthene   | 15      | J         | 100    | 6.8     | ug/L | 20      |   | 8270D        | Total/NA  |
| Benzo(g,h,i)perylene   | 9.5     | J         | 100    | 7.0     | ug/L | 20      |   | 8270D        | Total/NA  |
| Chrysene               | 12      | J         | 100    | 6.6     | ug/L | 20      |   | 8270D        | Total/NA  |
| Fluoranthene           | 22      | J         | 100    | 8.0     | ug/L | 20      |   | 8270D        | Total/NA  |
| Phenanthrene           | 15      | J         | 100    | 8.8     | ug/L | 20      |   | 8270D        | Total/NA  |
| Pyrene                 | 18      | J         | 100    | 6.8     | ug/L | 20      |   | 8270D        | Total/NA  |
| Motor Oil              | 21      |           | 1.0    | 1.0     | mg/L | 1       |   | 310.13       | Total/NA  |
| gamma-BHC (Lindane)    | 0.025   | J         | 0.10   | 0.016   | ug/L | 2       |   | 8081B        | Total/NA  |
| PCB-1254               | 0.63    |           | 0.54   | 0.27    | ug/L | 1       |   | 8082A        | Total/NA  |
| Barium                 | 0.14    |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C        | Total/NA  |
| Beryllium              | 0.00030 | J         | 0.0020 | 0.00030 | mg/L | 1       |   | 6010C        | Total/NA  |
| Calcium                | 157     |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Iron                   | 2.6     | B         | 0.050  | 0.019   | mg/L | 1       |   | 6010C        | Total/NA  |
| Lead                   | 0.0033  | J         | 0.010  | 0.0030  | mg/L | 1       |   | 6010C        | Total/NA  |
| Magnesium              | 9.8     |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C        | Total/NA  |
| Manganese              | 0.48    | B         | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C        | Total/NA  |
| Potassium              | 10.1    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Sodium                 | 7.8     |           | 1.0    | 0.32    | mg/L | 1       |   | 6010C        | Total/NA  |

Client Sample ID: MW-8-03-DUP

Lab Sample ID: 480-154313-2

| Analyte                | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method       | Prep Type |
|------------------------|--------|-----------|--------|---------|------|---------|---|--------------|-----------|
| 1,1-Dichloroethane     | 1.9    |           | 1.0    | 0.38    | ug/L | 1       |   | 8260C        | Total/NA  |
| Acetone                | 7.2    | J         | 10     | 3.0     | ug/L | 1       |   | 8260C        | Total/NA  |
| cis-1,2-Dichloroethene | 4.9    |           | 1.0    | 0.81    | ug/L | 1       |   | 8260C        | Total/NA  |
| Trichloroethene        | 1.3    |           | 1.0    | 0.46    | ug/L | 1       |   | 8260C        | Total/NA  |
| Vinyl chloride         | 2.1    |           | 1.0    | 0.90    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,4-Dioxane            | 0.41   |           | 0.20   | 0.10    | ug/L | 1       |   | 8270D SIM ID | Total/NA  |
| Motor Oil              | 33     |           | 1.0    | 1.0     | mg/L | 1       |   | 310.13       | Total/NA  |
| Barium                 | 0.14   |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C        | Total/NA  |
| Calcium                | 161    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Iron                   | 2.6    | B         | 0.050  | 0.019   | mg/L | 1       |   | 6010C        | Total/NA  |
| Magnesium              | 9.9    |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C        | Total/NA  |
| Manganese              | 0.49   | B         | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C        | Total/NA  |
| Potassium              | 10.1   |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Sodium                 | 7.9    |           | 1.0    | 0.32    | mg/L | 1       |   | 6010C        | Total/NA  |

Client Sample ID: MW-7-03

Lab Sample ID: 480-154313-3

| Analyte               | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------|--------|-----------|----|-----|------|---------|---|--------|-----------|
| 1,1,1-Trichloroethane | 580    |           | 20 | 16  | ug/L | 20      |   | 8260C  | Total/NA  |
| 1,1-Dichloroethene    | 20     |           | 20 | 5.8 | ug/L | 20      |   | 8260C  | Total/NA  |
| Chloroethane          | 69     |           | 20 | 6.4 | ug/L | 20      |   | 8260C  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Detection Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154313-1

Client Sample ID: MW-7-03 (Continued)

Lab Sample ID: 480-154313-3

| Analyte                 | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method | Prep Type |
|-------------------------|--------|-----------|--------|---------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene  | 92     |           | 20     | 16      | ug/L | 20      |   | 8260C  | Total/NA  |
| Trichloroethene         | 9.4    | J         | 20     | 9.2     | ug/L | 20      |   | 8260C  | Total/NA  |
| Vinyl chloride          | 32     |           | 20     | 18      | ug/L | 20      |   | 8260C  | Total/NA  |
| 1,1-Dichloroethane - DL | 2200   |           | 50     | 19      | ug/L | 50      |   | 8260C  | Total/NA  |
| Acenaphthene            | 14     | J         | 100    | 8.2     | ug/L | 20      |   | 8270D  | Total/NA  |
| Anthracene              | 20     | J         | 100    | 5.6     | ug/L | 20      |   | 8270D  | Total/NA  |
| Benzo(a)anthracene      | 69     | J         | 100    | 7.2     | ug/L | 20      |   | 8270D  | Total/NA  |
| Benzo(a)pyrene          | 64     | J         | 100    | 9.4     | ug/L | 20      |   | 8270D  | Total/NA  |
| Benzo(b)fluoranthene    | 85     | J         | 100    | 6.8     | ug/L | 20      |   | 8270D  | Total/NA  |
| Benzo(g,h,i)perylene    | 48     | J         | 100    | 7.0     | ug/L | 20      |   | 8270D  | Total/NA  |
| Benzo(k)fluoranthene    | 43     | J         | 100    | 15      | ug/L | 20      |   | 8270D  | Total/NA  |
| Carbazole               | 16     | J         | 100    | 6.0     | ug/L | 20      |   | 8270D  | Total/NA  |
| Chrysene                | 79     | J         | 100    | 6.6     | ug/L | 20      |   | 8270D  | Total/NA  |
| Dibenz(a,h)anthracene   | 15     | J         | 100    | 8.4     | ug/L | 20      |   | 8270D  | Total/NA  |
| Fluoranthene            | 160    |           | 100    | 8.0     | ug/L | 20      |   | 8270D  | Total/NA  |
| Fluorene                | 12     | J         | 100    | 7.2     | ug/L | 20      |   | 8270D  | Total/NA  |
| Indeno(1,2,3-cd)pyrene  | 42     | J         | 100    | 9.4     | ug/L | 20      |   | 8270D  | Total/NA  |
| Phenanthrene            | 110    |           | 100    | 8.8     | ug/L | 20      |   | 8270D  | Total/NA  |
| Pyrene                  | 120    |           | 100    | 6.8     | ug/L | 20      |   | 8270D  | Total/NA  |
| Aluminum                | 0.060  | J         | 0.20   | 0.060   | mg/L | 1       |   | 6010C  | Total/NA  |
| Barium                  | 0.078  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C  | Total/NA  |
| Calcium                 | 113    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Chromium                | 0.0011 | J         | 0.0040 | 0.0010  | mg/L | 1       |   | 6010C  | Total/NA  |
| Iron                    | 0.42   | B         | 0.050  | 0.019   | mg/L | 1       |   | 6010C  | Total/NA  |
| Magnesium               | 19.9   |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C  | Total/NA  |
| Manganese               | 0.60   | 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               | 6.1    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Sodium                  | 84.8   |           | 1.0    | 0.32    | mg/L | 1       |   | 6010C  | Total/NA  |
| Vanadium                | 0.0041 | J         | 0.0050 | 0.0015  | mg/L | 1       |   | 6010C  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

Client Sample ID: MW-8-03

Lab Sample ID: 480-154313-1

Date Collected: 05/31/19 10:45

Matrix: Water

Date Received: 05/31/19 14:25

## 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 |   |          | 06/04/19 11:33 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.21 | ug/L |   |          | 06/04/19 11:33 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.31 | ug/L |   |          | 06/04/19 11:33 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.23 | ug/L |   |          | 06/04/19 11:33 | 1       |
| 1,1-Dichloroethane                    | 1.7    |           | 1.0 | 0.38 | ug/L |   |          | 06/04/19 11:33 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.29 | ug/L |   |          | 06/04/19 11:33 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.41 | ug/L |   |          | 06/04/19 11:33 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0 | 0.39 | ug/L |   |          | 06/04/19 11:33 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.73 | ug/L |   |          | 06/04/19 11:33 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 06/04/19 11:33 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.21 | ug/L |   |          | 06/04/19 11:33 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.72 | ug/L |   |          | 06/04/19 11:33 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.78 | ug/L |   |          | 06/04/19 11:33 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.84 | ug/L |   |          | 06/04/19 11:33 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 10  | 1.3  | ug/L |   |          | 06/04/19 11:33 | 1       |
| 2-Hexanone                            | ND     |           | 5.0 | 1.2  | ug/L |   |          | 06/04/19 11:33 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 5.0 | 2.1  | ug/L |   |          | 06/04/19 11:33 | 1       |
| Acetone                               | 4.8 J  |           | 10  | 3.0  | ug/L |   |          | 06/04/19 11:33 | 1       |
| Benzene                               | ND     |           | 1.0 | 0.41 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.39 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.26 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.69 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Carbon disulfide                      | 0.20 J |           | 1.0 | 0.19 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.27 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.75 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Chloroethane                          | ND     |           | 1.0 | 0.32 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Chloroform                            | ND     |           | 1.0 | 0.34 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.35 | ug/L |   |          | 06/04/19 11:33 | 1       |
| cis-1,2-Dichloroethene                | 4.9    |           | 1.0 | 0.81 | ug/L |   |          | 06/04/19 11:33 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.36 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Cyclohexane                           | ND     |           | 1.0 | 0.18 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.32 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.68 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.74 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.79 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Methyl acetate                        | ND     |           | 2.5 | 1.3  | ug/L |   |          | 06/04/19 11:33 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.16 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Methylcyclohexane                     | ND     |           | 1.0 | 0.16 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Methylene Chloride                    | ND     |           | 1.0 | 0.44 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.73 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.36 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.51 | ug/L |   |          | 06/04/19 11:33 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.0 | 0.90 | ug/L |   |          | 06/04/19 11:33 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.37 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Trichloroethene                       | 1.3    |           | 1.0 | 0.46 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.88 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Vinyl chloride                        | 2.0    |           | 1.0 | 0.90 | ug/L |   |          | 06/04/19 11:33 | 1       |
| Xylenes, Total                        | ND     |           | 2.0 | 0.66 | ug/L |   |          | 06/04/19 11:33 | 1       |
| t-Butyl alcohol                       | ND     |           | 10  | 3.3  | ug/L |   |          | 06/04/19 11:33 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

Client Sample ID: MW-8-03

Lab Sample ID: 480-154313-1

Date Collected: 05/31/19 10:45

Matrix: Water

Date Received: 05/31/19 14:25

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 77 - 120 |          | 06/04/19 11:33 | 1       |
| 4-Bromofluorobenzene (Surr)  | 105       |           | 73 - 120 |          | 06/04/19 11:33 | 1       |
| Dibromofluoromethane (Surr)  | 104       |           | 75 - 123 |          | 06/04/19 11:33 | 1       |
| Toluene-d8 (Surr)            | 102       |           | 80 - 120 |          | 06/04/19 11:33 | 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      | 0.50      |           | 0.20     | 0.10 | ug/L |   | 06/03/19 16:02 | 06/06/19 18:30 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 28        |           | 15 - 110 |      |      |   | 06/03/19 16:02 | 06/06/19 18:30 | 1       |

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

| Analyte                       | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 100 | 9.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 2,4,6-Trichlorophenol         | ND     |           | 100 | 12  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 2,4-Dichlorophenol            | ND     |           | 100 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 2,4-Dimethylphenol            | ND     |           | 100 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 2,4-Dinitrophenol             | ND     |           | 200 | 44  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 2,4-Dinitrotoluene            | ND     |           | 100 | 8.9 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 2,6-Dinitrotoluene            | ND     |           | 100 | 8.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 2-Chloronaphthalene           | ND     |           | 100 | 9.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 2-Chlorophenol                | ND     |           | 100 | 11  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 2-Methylnaphthalene           | ND     |           | 100 | 12  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 2-Methylphenol                | ND     |           | 100 | 8.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 2-Nitroaniline                | ND     |           | 200 | 8.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 2-Nitrophenol                 | ND     |           | 100 | 9.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 3,3'-Dichlorobenzidine        | ND     |           | 100 | 8.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 3-Nitroaniline                | ND     |           | 200 | 9.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 200 | 44  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 4-Bromophenyl phenyl ether    | ND     |           | 100 | 9.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 4-Chloro-3-methylphenol       | ND     |           | 100 | 9.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 4-Chloroaniline               | ND     |           | 100 | 12  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 4-Chlorophenyl phenyl ether   | ND     |           | 100 | 7.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 4-Methylphenol                | ND     |           | 200 | 7.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 4-Nitroaniline                | ND     |           | 200 | 5.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 4-Nitrophenol                 | ND     |           | 200 | 30  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Acenaphthene                  | ND     |           | 100 | 8.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Acenaphthylene                | ND     |           | 100 | 7.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Acetophenone                  | ND     |           | 100 | 11  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Anthracene                    | ND     |           | 100 | 5.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Atrazine                      | ND     |           | 100 | 9.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Benzaldehyde                  | ND     |           | 100 | 5.3 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Benzo(a)anthracene            | 10 J   |           | 100 | 7.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Benzo(a)pyrene                | 13 J   |           | 100 | 9.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Benzo(b)fluoranthene          | 15 J   |           | 100 | 6.8 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Benzo(g,h,i)perylene          | 9.5 J  |           | 100 | 7.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Benzo(k)fluoranthene          | ND     |           | 100 | 15  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Biphenyl                      | ND     |           | 100 | 13  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| bis (2-chloroisopropyl) ether | ND     |           | 100 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Bis(2-chloroethoxy)methane    | ND     |           | 100 | 7.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

Client Sample ID: MW-8-03

Lab Sample ID: 480-154313-1

Date Collected: 05/31/19 10:45

Matrix: Water

Date Received: 05/31/19 14:25

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

| Analyte                     | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Bis(2-chloroethyl)ether     | ND     |           | 100 | 8.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Bis(2-ethylhexyl) phthalate | ND     |           | 100 | 44  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Butyl benzyl phthalate      | ND     |           | 100 | 20  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Caprolactam                 | ND     |           | 100 | 44  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Carbazole                   | ND     |           | 100 | 6.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Chrysene                    | 12     | J         | 100 | 6.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Dibenz(a,h)anthracene       | ND     |           | 100 | 8.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Dibenzofuran                | ND     |           | 200 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Diethyl phthalate           | ND     |           | 100 | 4.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Dimethyl phthalate          | ND     |           | 100 | 7.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Di-n-butyl phthalate        | ND     |           | 100 | 6.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Di-n-octyl phthalate        | ND     |           | 100 | 9.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Fluoranthene                | 22     | J         | 100 | 8.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Fluorene                    | ND     |           | 100 | 7.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Hexachlorobenzene           | ND     |           | 100 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Hexachlorobutadiene         | ND     |           | 100 | 14  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Hexachlorocyclopentadiene   | ND     |           | 100 | 12  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Hexachloroethane            | ND     |           | 100 | 12  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Indeno(1,2,3-cd)pyrene      | ND     |           | 100 | 9.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Isophorone                  | ND     |           | 100 | 8.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Naphthalene                 | ND     |           | 100 | 15  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Nitrobenzene                | ND     |           | 100 | 5.8 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| N-Nitrosodi-n-propylamine   | ND     |           | 100 | 11  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| N-Nitrosodiphenylamine      | ND     |           | 100 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Pentachlorophenol           | ND     |           | 200 | 44  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Phenanthrene                | 15     | J         | 100 | 8.8 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Phenol                      | ND     |           | 100 | 7.8 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Pyrene                      | 18     | J         | 100 | 6.8 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:08 | 20      |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 102       |           | 41 - 120 | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 2-Fluorobiphenyl     | 90        |           | 48 - 120 | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| 2-Fluorophenol       | 54        |           | 35 - 120 | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Nitrobenzene-d5      | 68        |           | 46 - 120 | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| Phenol-d5            | 36        |           | 22 - 120 | 06/03/19 15:49 | 06/10/19 21:08 | 20      |
| p-Terphenyl-d14      | 58        | X         | 59 - 136 | 06/03/19 15:49 | 06/10/19 21:08 | 20      |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.20 | 0.20 | mg/L |   | 06/03/19 15:58 | 06/04/19 19:52 | 1       |
| Kerosene             | ND     |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 19:52 | 1       |
| Motor Oil            | 21     |           | 1.0  | 1.0  | mg/L |   | 06/03/19 15:58 | 06/04/19 19:52 | 1       |
| Fuel Oil #2          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 19:52 | 1       |
| Fuel Oil #4          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 19:52 | 1       |
| Fuel Oil #6          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 19:52 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.20 | 0.20 | mg/L |   | 06/03/19 15:58 | 06/04/19 19:52 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte  | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 4,4'-DDD | ND     |           | 0.10 | 0.018 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

Client Sample ID: MW-8-03

Lab Sample ID: 480-154313-1

Date Collected: 05/31/19 10:45

Matrix: Water

Date Received: 05/31/19 14:25

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

| Analyte             | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 0.10 | 0.023 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| 4,4'-DDT            | ND     |           | 0.10 | 0.022 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| Aldrin              | ND     |           | 0.10 | 0.016 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| alpha-BHC           | ND     |           | 0.10 | 0.015 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| cis-Chlordane       | ND     |           | 0.10 | 0.030 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| beta-BHC            | ND     |           | 0.10 | 0.050 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| delta-BHC           | ND     |           | 0.10 | 0.020 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| Dieldrin            | ND     |           | 0.10 | 0.020 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| Endosulfan I        | ND     |           | 0.10 | 0.022 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| Endosulfan II       | ND     |           | 0.10 | 0.024 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| Endosulfan sulfate  | ND     |           | 0.10 | 0.031 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| Endrin              | ND     |           | 0.10 | 0.028 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| Endrin aldehyde     | ND     |           | 0.10 | 0.033 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| Endrin ketone       | ND     |           | 0.10 | 0.024 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| gamma-BHC (Lindane) | 0.025  | J         | 0.10 | 0.016 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| trans-Chlordane     | ND     |           | 0.10 | 0.022 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| Heptachlor          | ND     |           | 0.10 | 0.017 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| Heptachlor epoxide  | ND     |           | 0.10 | 0.015 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| Methoxychlor        | ND     |           | 0.10 | 0.028 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| Toxaphene           | ND     |           | 1.0  | 0.24  | ug/L |   | 06/04/19 07:53 | 06/05/19 14:04 | 2       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 40        |           | 20 - 120 | 06/04/19 07:53 | 06/05/19 14:04 | 2       |
| Tetrachloro-m-xylene   | 62        |           | 44 - 120 | 06/04/19 07:53 | 06/05/19 14:04 | 2       |

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

| Analyte  | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.54 | 0.19 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:09 | 1       |
| PCB-1221 | ND     |           | 0.54 | 0.19 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:09 | 1       |
| PCB-1232 | ND     |           | 0.54 | 0.19 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:09 | 1       |
| PCB-1242 | ND     |           | 0.54 | 0.19 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:09 | 1       |
| PCB-1248 | ND     |           | 0.54 | 0.19 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:09 | 1       |
| PCB-1254 | 0.63   |           | 0.54 | 0.27 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:09 | 1       |
| PCB-1260 | ND     |           | 0.54 | 0.27 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:09 | 1       |
| PCB-1262 | ND     |           | 0.54 | 0.27 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:09 | 1       |
| PCB-1268 | ND     |           | 0.54 | 0.27 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:09 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 49        |           | 39 - 121 | 06/04/19 08:00 | 06/04/19 19:09 | 1       |
| DCB Decachlorobiphenyl | 15        | X         | 19 - 120 | 06/04/19 08:00 | 06/04/19 19:09 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result  | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|---------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND      |           | 0.20   | 0.060   | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Antimony  | ND      |           | 0.020  | 0.0068  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Arsenic   | ND      |           | 0.015  | 0.0056  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Barium    | 0.14    |           | 0.0020 | 0.00070 | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Beryllium | 0.00030 | J         | 0.0020 | 0.00030 | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Cadmium   | ND      |           | 0.0020 | 0.00050 | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Calcium   | 157     |           | 0.50   | 0.10    | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154313-1

Client Sample ID: MW-8-03

Lab Sample ID: 480-154313-1

Date Collected: 05/31/19 10:45

Matrix: Water

Date Received: 05/31/19 14:25

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Iron      | 2.6    | B         | 0.050  | 0.019   | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Lead      | 0.0033 | J         | 0.010  | 0.0030  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Magnesium | 9.8    |           | 0.20   | 0.043   | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Manganese | 0.48   | B         | 0.0030 | 0.00040 | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Nickel    | ND     |           | 0.010  | 0.0013  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Potassium | 10.1   |           | 0.50   | 0.10    | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Sodium    | 7.8    |           | 1.0    | 0.32    | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:11 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 06/04/19 11:31 | 06/04/19 14:50 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

Client Sample ID: MW-8-03-DUP

Lab Sample ID: 480-154313-2

Date Collected: 05/31/19 10:45

Matrix: Water

Date Received: 05/31/19 14:25

## 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 |   |          | 06/04/19 11:57 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.21 | ug/L |   |          | 06/04/19 11:57 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.31 | ug/L |   |          | 06/04/19 11:57 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.23 | ug/L |   |          | 06/04/19 11:57 | 1       |
| 1,1-Dichloroethane                    | 1.9    |           | 1.0 | 0.38 | ug/L |   |          | 06/04/19 11:57 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.29 | ug/L |   |          | 06/04/19 11:57 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.41 | ug/L |   |          | 06/04/19 11:57 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0 | 0.39 | ug/L |   |          | 06/04/19 11:57 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.73 | ug/L |   |          | 06/04/19 11:57 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 06/04/19 11:57 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | 0.21 | ug/L |   |          | 06/04/19 11:57 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.72 | ug/L |   |          | 06/04/19 11:57 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.78 | ug/L |   |          | 06/04/19 11:57 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.84 | ug/L |   |          | 06/04/19 11:57 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 10  | 1.3  | ug/L |   |          | 06/04/19 11:57 | 1       |
| 2-Hexanone                            | ND     |           | 5.0 | 1.2  | ug/L |   |          | 06/04/19 11:57 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 5.0 | 2.1  | ug/L |   |          | 06/04/19 11:57 | 1       |
| Acetone                               | 7.2 J  |           | 10  | 3.0  | ug/L |   |          | 06/04/19 11:57 | 1       |
| Benzene                               | ND     |           | 1.0 | 0.41 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.39 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.26 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.69 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Carbon disulfide                      | ND     |           | 1.0 | 0.19 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.27 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.75 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Chloroethane                          | ND     |           | 1.0 | 0.32 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Chloroform                            | ND     |           | 1.0 | 0.34 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.35 | ug/L |   |          | 06/04/19 11:57 | 1       |
| cis-1,2-Dichloroethene                | 4.9    |           | 1.0 | 0.81 | ug/L |   |          | 06/04/19 11:57 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.36 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Cyclohexane                           | ND     |           | 1.0 | 0.18 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.32 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.68 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.74 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.79 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Methyl acetate                        | ND     |           | 2.5 | 1.3  | ug/L |   |          | 06/04/19 11:57 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.16 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Methylcyclohexane                     | ND     |           | 1.0 | 0.16 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Methylene Chloride                    | ND     |           | 1.0 | 0.44 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.73 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.36 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.51 | ug/L |   |          | 06/04/19 11:57 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.0 | 0.90 | ug/L |   |          | 06/04/19 11:57 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.37 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Trichloroethene                       | 1.3    |           | 1.0 | 0.46 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.88 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Vinyl chloride                        | 2.1    |           | 1.0 | 0.90 | ug/L |   |          | 06/04/19 11:57 | 1       |
| Xylenes, Total                        | ND     |           | 2.0 | 0.66 | ug/L |   |          | 06/04/19 11:57 | 1       |
| t-Butyl alcohol                       | ND     |           | 10  | 3.3  | ug/L |   |          | 06/04/19 11:57 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

Client Sample ID: MW-8-03-DUP

Lab Sample ID: 480-154313-2

Date Collected: 05/31/19 10:45

Matrix: Water

Date Received: 05/31/19 14:25

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |           | 77 - 120 |          | 06/04/19 11:57 | 1       |
| 4-Bromofluorobenzene (Surr)  | 106       |           | 73 - 120 |          | 06/04/19 11:57 | 1       |
| Dibromofluoromethane (Surr)  | 103       |           | 75 - 123 |          | 06/04/19 11:57 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 80 - 120 |          | 06/04/19 11:57 | 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      | 0.41      |           | 0.20     | 0.10 | ug/L |   | 06/03/19 16:02 | 06/07/19 17:35 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 27        |           | 15 - 110 |      |      |   | 06/03/19 16:02 | 06/07/19 17:35 | 1       |

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

| Analyte                       | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 100 | 9.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 2,4,6-Trichlorophenol         | ND     |           | 100 | 12  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 2,4-Dichlorophenol            | ND     |           | 100 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 2,4-Dimethylphenol            | ND     |           | 100 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 2,4-Dinitrophenol             | ND     |           | 200 | 44  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 2,4-Dinitrotoluene            | ND     |           | 100 | 8.9 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 2,6-Dinitrotoluene            | ND     |           | 100 | 8.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 2-Chloronaphthalene           | ND     |           | 100 | 9.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 2-Chlorophenol                | ND     |           | 100 | 11  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 2-Methylnaphthalene           | ND     |           | 100 | 12  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 2-Methylphenol                | ND     |           | 100 | 8.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 2-Nitroaniline                | ND     |           | 200 | 8.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 2-Nitrophenol                 | ND     |           | 100 | 9.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 3,3'-Dichlorobenzidine        | ND     |           | 100 | 8.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 3-Nitroaniline                | ND     |           | 200 | 9.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 200 | 44  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 4-Bromophenyl phenyl ether    | ND     |           | 100 | 9.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 4-Chloro-3-methylphenol       | ND     |           | 100 | 9.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 4-Chloroaniline               | ND     |           | 100 | 12  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 4-Chlorophenyl phenyl ether   | ND     |           | 100 | 7.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 4-Methylphenol                | ND     |           | 200 | 7.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 4-Nitroaniline                | ND     |           | 200 | 5.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 4-Nitrophenol                 | ND     |           | 200 | 30  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Acenaphthene                  | ND     |           | 100 | 8.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Acenaphthylene                | ND     |           | 100 | 7.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Acetophenone                  | ND     |           | 100 | 11  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Anthracene                    | ND     |           | 100 | 5.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Atrazine                      | ND     |           | 100 | 9.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Benzaldehyde                  | ND     |           | 100 | 5.3 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Benzo(a)anthracene            | ND     |           | 100 | 7.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Benzo(a)pyrene                | ND     |           | 100 | 9.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Benzo(b)fluoranthene          | ND     |           | 100 | 6.8 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Benzo(g,h,i)perylene          | ND     |           | 100 | 7.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Benzo(k)fluoranthene          | ND     |           | 100 | 15  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Biphenyl                      | ND     |           | 100 | 13  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| bis (2-chloroisopropyl) ether | ND     |           | 100 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Bis(2-chloroethoxy)methane    | ND     |           | 100 | 7.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

Client Sample ID: MW-8-03-DUP

Lab Sample ID: 480-154313-2

Date Collected: 05/31/19 10:45

Matrix: Water

Date Received: 05/31/19 14:25

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

| Analyte                     | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Bis(2-chloroethyl)ether     | ND     |           | 100 | 8.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Bis(2-ethylhexyl) phthalate | ND     |           | 100 | 44  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Butyl benzyl phthalate      | ND     |           | 100 | 20  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Caprolactam                 | ND     |           | 100 | 44  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Carbazole                   | ND     |           | 100 | 6.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Chrysene                    | ND     |           | 100 | 6.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Dibenz(a,h)anthracene       | ND     |           | 100 | 8.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Dibenzofuran                | ND     |           | 200 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Diethyl phthalate           | ND     |           | 100 | 4.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Dimethyl phthalate          | ND     |           | 100 | 7.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Di-n-butyl phthalate        | ND     |           | 100 | 6.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Di-n-octyl phthalate        | ND     |           | 100 | 9.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Fluoranthene                | ND     |           | 100 | 8.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Fluorene                    | ND     |           | 100 | 7.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Hexachlorobenzene           | ND     |           | 100 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Hexachlorobutadiene         | ND     |           | 100 | 14  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Hexachlorocyclopentadiene   | ND     |           | 100 | 12  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Hexachloroethane            | ND     |           | 100 | 12  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Indeno(1,2,3-cd)pyrene      | ND     |           | 100 | 9.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Isophorone                  | ND     |           | 100 | 8.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Naphthalene                 | ND     |           | 100 | 15  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Nitrobenzene                | ND     |           | 100 | 5.8 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| N-Nitrosodi-n-propylamine   | ND     |           | 100 | 11  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| N-Nitrosodiphenylamine      | ND     |           | 100 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Pentachlorophenol           | ND     |           | 200 | 44  | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Phenanthrene                | ND     |           | 100 | 8.8 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Phenol                      | ND     |           | 100 | 7.8 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Pyrene                      | ND     |           | 100 | 6.8 | ug/L |   | 06/03/19 15:49 | 06/10/19 21:36 | 20      |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 97        |           | 41 - 120 | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 2-Fluorobiphenyl     | 90        |           | 48 - 120 | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| 2-Fluorophenol       | 63        |           | 35 - 120 | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Nitrobenzene-d5      | 72        |           | 46 - 120 | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| Phenol-d5            | 37        |           | 22 - 120 | 06/03/19 15:49 | 06/10/19 21:36 | 20      |
| p-Terphenyl-d14      | 54        | X         | 59 - 136 | 06/03/19 15:49 | 06/10/19 21:36 | 20      |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.20 | 0.20 | mg/L |   | 06/03/19 15:58 | 06/04/19 20:28 | 1       |
| Kerosene             | ND     |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 20:28 | 1       |
| Motor Oil            | 33     |           | 1.0  | 1.0  | mg/L |   | 06/03/19 15:58 | 06/04/19 20:28 | 1       |
| Fuel Oil #2          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 20:28 | 1       |
| Fuel Oil #4          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 20:28 | 1       |
| Fuel Oil #6          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 20:28 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.20 | 0.20 | mg/L |   | 06/03/19 15:58 | 06/04/19 20:28 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte  | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 4,4'-DDD | ND     |           | 0.10 | 0.018 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

Client Sample ID: MW-8-03-DUP

Lab Sample ID: 480-154313-2

Date Collected: 05/31/19 10:45

Matrix: Water

Date Received: 05/31/19 14:25

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

| Analyte             | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 0.10 | 0.023 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| 4,4'-DDT            | ND     |           | 0.10 | 0.022 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| Aldrin              | ND     |           | 0.10 | 0.016 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| alpha-BHC           | ND     |           | 0.10 | 0.015 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| cis-Chlordane       | ND     |           | 0.10 | 0.030 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| beta-BHC            | ND     |           | 0.10 | 0.050 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| delta-BHC           | ND     |           | 0.10 | 0.020 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| Dieldrin            | ND     |           | 0.10 | 0.020 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| Endosulfan I        | ND     |           | 0.10 | 0.022 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| Endosulfan II       | ND     |           | 0.10 | 0.024 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| Endosulfan sulfate  | ND     |           | 0.10 | 0.031 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| Endrin              | ND     |           | 0.10 | 0.028 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| Endrin aldehyde     | ND     |           | 0.10 | 0.033 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| Endrin ketone       | ND     |           | 0.10 | 0.024 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| gamma-BHC (Lindane) | ND     |           | 0.10 | 0.016 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| trans-Chlordane     | ND     |           | 0.10 | 0.022 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| Heptachlor          | ND     |           | 0.10 | 0.017 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| Heptachlor epoxide  | ND     |           | 0.10 | 0.015 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| Methoxychlor        | ND     |           | 0.10 | 0.028 | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| Toxaphene           | ND     |           | 1.0  | 0.24  | ug/L |   | 06/04/19 07:53 | 06/05/19 14:24 | 2       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 24        |           | 20 - 120 | 06/04/19 07:53 | 06/05/19 14:24 | 2       |
| Tetrachloro-m-xylene   | 60        |           | 44 - 120 | 06/04/19 07:53 | 06/05/19 14:24 | 2       |

## 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 |   | 06/04/19 08:00 | 06/04/19 19:22 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:22 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:22 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:22 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:22 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:22 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:22 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:22 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/04/19 08:00 | 06/04/19 19:22 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 58        |           | 39 - 121 | 06/04/19 08:00 | 06/04/19 19:22 | 1       |
| DCB Decachlorobiphenyl | 13        | X         | 19 - 120 | 06/04/19 08:00 | 06/04/19 19:22 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Barium    | 0.14   |           | 0.0020 | 0.00070 | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Calcium   | 161    |           | 0.50   | 0.10    | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154313-1

Client Sample ID: MW-8-03-DUP

Lab Sample ID: 480-154313-2

Date Collected: 05/31/19 10:45

Matrix: Water

Date Received: 05/31/19 14:25

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Iron      | 2.6    | B         | 0.050  | 0.019   | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Magnesium | 9.9    |           | 0.20   | 0.043   | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Manganese | 0.49   | B         | 0.0030 | 0.00040 | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Nickel    | ND     |           | 0.010  | 0.0013  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Potassium | 10.1   |           | 0.50   | 0.10    | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Sodium    | 7.9    |           | 1.0    | 0.32    | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:15 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 06/04/19 11:31 | 06/04/19 14:51 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

Client Sample ID: MW-7-03

Lab Sample ID: 480-154313-3

Date Collected: 05/31/19 13:15

Matrix: Water

Date Received: 05/31/19 14:25

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

| Analyte                               | Result       | Qualifier | RL  | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------------|-----------|-----|-----|------|---|----------|----------------|---------|
| <b>1,1,1-Trichloroethane</b>          | <b>580</b>   |           | 20  | 16  | ug/L |   |          | 06/04/19 03:48 | 20      |
| 1,1,2,2-Tetrachloroethane             | ND           |           | 20  | 4.2 | ug/L |   |          | 06/04/19 03:48 | 20      |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND           |           | 20  | 6.2 | ug/L |   |          | 06/04/19 03:48 | 20      |
| 1,1,2-Trichloroethane                 | ND           |           | 20  | 4.6 | ug/L |   |          | 06/04/19 03:48 | 20      |
| <b>1,1-Dichloroethene</b>             | <b>20</b>    |           | 20  | 5.8 | ug/L |   |          | 06/04/19 03:48 | 20      |
| 1,2,4-Trichlorobenzene                | ND           |           | 20  | 8.2 | ug/L |   |          | 06/04/19 03:48 | 20      |
| 1,2-Dibromo-3-Chloropropane           | ND           |           | 20  | 7.8 | ug/L |   |          | 06/04/19 03:48 | 20      |
| 1,2-Dibromoethane                     | ND           |           | 20  | 15  | ug/L |   |          | 06/04/19 03:48 | 20      |
| 1,2-Dichlorobenzene                   | ND           |           | 20  | 16  | ug/L |   |          | 06/04/19 03:48 | 20      |
| 1,2-Dichloroethane                    | ND           |           | 20  | 4.2 | ug/L |   |          | 06/04/19 03:48 | 20      |
| 1,2-Dichloropropane                   | ND           |           | 20  | 14  | ug/L |   |          | 06/04/19 03:48 | 20      |
| 1,3-Dichlorobenzene                   | ND           |           | 20  | 16  | ug/L |   |          | 06/04/19 03:48 | 20      |
| 1,4-Dichlorobenzene                   | ND           |           | 20  | 17  | ug/L |   |          | 06/04/19 03:48 | 20      |
| 2-Butanone (MEK)                      | ND           |           | 200 | 26  | ug/L |   |          | 06/04/19 03:48 | 20      |
| 2-Hexanone                            | ND           |           | 100 | 25  | ug/L |   |          | 06/04/19 03:48 | 20      |
| 4-Methyl-2-pentanone (MIBK)           | ND           |           | 100 | 42  | ug/L |   |          | 06/04/19 03:48 | 20      |
| Acetone                               | ND           |           | 200 | 60  | ug/L |   |          | 06/04/19 03:48 | 20      |
| Benzene                               | ND           |           | 20  | 8.2 | ug/L |   |          | 06/04/19 03:48 | 20      |
| Bromodichloromethane                  | ND           |           | 20  | 7.8 | ug/L |   |          | 06/04/19 03:48 | 20      |
| Bromoform                             | ND           |           | 20  | 5.2 | ug/L |   |          | 06/04/19 03:48 | 20      |
| Bromomethane                          | ND           |           | 20  | 14  | ug/L |   |          | 06/04/19 03:48 | 20      |
| Carbon disulfide                      | ND           |           | 20  | 3.8 | ug/L |   |          | 06/04/19 03:48 | 20      |
| Carbon tetrachloride                  | ND           |           | 20  | 5.4 | ug/L |   |          | 06/04/19 03:48 | 20      |
| Chlorobenzene                         | ND           |           | 20  | 15  | ug/L |   |          | 06/04/19 03:48 | 20      |
| <b>Chloroethane</b>                   | <b>69</b>    |           | 20  | 6.4 | ug/L |   |          | 06/04/19 03:48 | 20      |
| Chloroform                            | ND           |           | 20  | 6.8 | ug/L |   |          | 06/04/19 03:48 | 20      |
| Chloromethane                         | ND           |           | 20  | 7.0 | ug/L |   |          | 06/04/19 03:48 | 20      |
| <b>cis-1,2-Dichloroethene</b>         | <b>92</b>    |           | 20  | 16  | ug/L |   |          | 06/04/19 03:48 | 20      |
| cis-1,3-Dichloropropene               | ND           |           | 20  | 7.2 | ug/L |   |          | 06/04/19 03:48 | 20      |
| Cyclohexane                           | ND           |           | 20  | 3.6 | ug/L |   |          | 06/04/19 03:48 | 20      |
| Dibromochloromethane                  | ND           |           | 20  | 6.4 | ug/L |   |          | 06/04/19 03:48 | 20      |
| Dichlorodifluoromethane               | ND           |           | 20  | 14  | ug/L |   |          | 06/04/19 03:48 | 20      |
| Ethylbenzene                          | ND           |           | 20  | 15  | ug/L |   |          | 06/04/19 03:48 | 20      |
| Isopropylbenzene                      | ND           |           | 20  | 16  | ug/L |   |          | 06/04/19 03:48 | 20      |
| Methyl acetate                        | ND           |           | 50  | 26  | ug/L |   |          | 06/04/19 03:48 | 20      |
| Methyl tert-butyl ether               | ND           |           | 20  | 3.2 | ug/L |   |          | 06/04/19 03:48 | 20      |
| Methylcyclohexane                     | ND           |           | 20  | 3.2 | ug/L |   |          | 06/04/19 03:48 | 20      |
| Methylene Chloride                    | ND           |           | 20  | 8.8 | ug/L |   |          | 06/04/19 03:48 | 20      |
| Styrene                               | ND           |           | 20  | 15  | ug/L |   |          | 06/04/19 03:48 | 20      |
| Tetrachloroethene                     | ND           |           | 20  | 7.2 | ug/L |   |          | 06/04/19 03:48 | 20      |
| Toluene                               | ND           |           | 20  | 10  | ug/L |   |          | 06/04/19 03:48 | 20      |
| trans-1,2-Dichloroethene              | ND           |           | 20  | 18  | ug/L |   |          | 06/04/19 03:48 | 20      |
| trans-1,3-Dichloropropene             | ND           |           | 20  | 7.4 | ug/L |   |          | 06/04/19 03:48 | 20      |
| <b>Trichloroethene</b>                | <b>9.4 J</b> |           | 20  | 9.2 | ug/L |   |          | 06/04/19 03:48 | 20      |
| Trichlorofluoromethane                | ND           |           | 20  | 18  | ug/L |   |          | 06/04/19 03:48 | 20      |
| <b>Vinyl chloride</b>                 | <b>32</b>    |           | 20  | 18  | ug/L |   |          | 06/04/19 03:48 | 20      |
| Xylenes, Total                        | ND           |           | 40  | 13  | ug/L |   |          | 06/04/19 03:48 | 20      |
| t-Butyl alcohol                       | ND           |           | 200 | 66  | ug/L |   |          | 06/04/19 03:48 | 20      |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

Client Sample ID: MW-7-03

Lab Sample ID: 480-154313-3

Date Collected: 05/31/19 13:15

Matrix: Water

Date Received: 05/31/19 14:25

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 77 - 120 |          | 06/04/19 03:48 | 20      |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 73 - 120 |          | 06/04/19 03:48 | 20      |
| Dibromofluoromethane (Surr)  | 109       |           | 75 - 123 |          | 06/04/19 03:48 | 20      |
| Toluene-d8 (Surr)            | 94        |           | 80 - 120 |          | 06/04/19 03:48 | 20      |

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

| Analyte            | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| 1,1-Dichloroethane | 2200   |           | 50 | 19  | ug/L |   |          | 06/04/19 12:20 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105       |           | 77 - 120 |          | 06/04/19 12:20 | 50      |
| 4-Bromofluorobenzene (Surr)  | 104       |           | 73 - 120 |          | 06/04/19 12:20 | 50      |
| Dibromofluoromethane (Surr)  | 103       |           | 75 - 123 |          | 06/04/19 12:20 | 50      |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 06/04/19 12:20 | 50      |

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

| Analyte                     | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol       | ND     |           | 100 | 9.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 2,4,6-Trichlorophenol       | ND     |           | 100 | 12  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 2,4-Dichlorophenol          | ND     |           | 100 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 2,4-Dimethylphenol          | ND     |           | 100 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 2,4-Dinitrophenol           | ND     |           | 200 | 44  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 2,4-Dinitrotoluene          | ND     |           | 100 | 8.9 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 2,6-Dinitrotoluene          | ND     |           | 100 | 8.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 2-Chloronaphthalene         | ND     |           | 100 | 9.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 2-Chlorophenol              | ND     |           | 100 | 11  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 2-Methylnaphthalene         | ND     |           | 100 | 12  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 2-Methylphenol              | ND     |           | 100 | 8.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 2-Nitroaniline              | ND     |           | 200 | 8.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 2-Nitrophenol               | ND     |           | 100 | 9.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 3,3'-Dichlorobenzidine      | ND     |           | 100 | 8.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 3-Nitroaniline              | ND     |           | 200 | 9.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 4,6-Dinitro-2-methylphenol  | ND     |           | 200 | 44  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 4-Bromophenyl phenyl ether  | ND     |           | 100 | 9.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 4-Chloro-3-methylphenol     | ND     |           | 100 | 9.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 4-Chloroaniline             | ND     |           | 100 | 12  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 4-Chlorophenyl phenyl ether | ND     |           | 100 | 7.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 4-Methylphenol              | ND     |           | 200 | 7.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 4-Nitroaniline              | ND     |           | 200 | 5.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 4-Nitrophenol               | ND     |           | 200 | 30  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Acenaphthene                | 14 J   |           | 100 | 8.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Acenaphthylene              | ND     |           | 100 | 7.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Acetophenone                | ND     |           | 100 | 11  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Anthracene                  | 20 J   |           | 100 | 5.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Atrazine                    | ND     |           | 100 | 9.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Benzaldehyde                | ND     |           | 100 | 5.3 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Benzo(a)anthracene          | 69 J   |           | 100 | 7.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Benzo(a)pyrene              | 64 J   |           | 100 | 9.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Benzo(b)fluoranthene        | 85 J   |           | 100 | 6.8 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Benzo(g,h,i)perylene        | 48 J   |           | 100 | 7.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Benzo(k)fluoranthene        | 43 J   |           | 100 | 15  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

Client Sample ID: MW-7-03

Lab Sample ID: 480-154313-3

Date Collected: 05/31/19 13:15

Matrix: Water

Date Received: 05/31/19 14:25

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

| Analyte                       | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Biphenyl                      | ND     |           | 100 | 13  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| bis (2-chloroisopropyl) ether | ND     |           | 100 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Bis(2-chloroethoxy)methane    | ND     |           | 100 | 7.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Bis(2-chloroethyl)ether       | ND     |           | 100 | 8.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 100 | 44  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Butyl benzyl phthalate        | ND     |           | 100 | 20  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Caprolactam                   | ND     |           | 100 | 44  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Carbazole                     | 16     | J         | 100 | 6.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Chrysene                      | 79     | J         | 100 | 6.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Dibenz(a,h)anthracene         | 15     | J         | 100 | 8.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Dibenzofuran                  | ND     |           | 200 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Diethyl phthalate             | ND     |           | 100 | 4.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Dimethyl phthalate            | ND     |           | 100 | 7.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Di-n-butyl phthalate          | ND     |           | 100 | 6.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Di-n-octyl phthalate          | ND     |           | 100 | 9.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Fluoranthene                  | 160    |           | 100 | 8.0 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Fluorene                      | 12     | J         | 100 | 7.2 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Hexachlorobenzene             | ND     |           | 100 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Hexachlorobutadiene           | ND     |           | 100 | 14  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Hexachlorocyclopentadiene     | ND     |           | 100 | 12  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Hexachloroethane              | ND     |           | 100 | 12  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Indeno(1,2,3-cd)pyrene        | 42     | J         | 100 | 9.4 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Isophorone                    | ND     |           | 100 | 8.6 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Naphthalene                   | ND     |           | 100 | 15  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Nitrobenzene                  | ND     |           | 100 | 5.8 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| N-Nitrosodi-n-propylamine     | ND     |           | 100 | 11  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| N-Nitrosodiphenylamine        | ND     |           | 100 | 10  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Pentachlorophenol             | ND     |           | 200 | 44  | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Phenanthrene                  | 110    |           | 100 | 8.8 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Phenol                        | ND     |           | 100 | 7.8 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Pyrene                        | 120    |           | 100 | 6.8 | ug/L |   | 06/03/19 15:49 | 06/10/19 22:04 | 20      |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 88        |           | 41 - 120 | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 2-Fluorobiphenyl     | 90        |           | 48 - 120 | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| 2-Fluorophenol       | 58        |           | 35 - 120 | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Nitrobenzene-d5      | 73        |           | 46 - 120 | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| Phenol-d5            | 37        |           | 22 - 120 | 06/03/19 15:49 | 06/10/19 22:04 | 20      |
| p-Terphenyl-d14      | 69        |           | 59 - 136 | 06/03/19 15:49 | 06/10/19 22:04 | 20      |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | 0.060  | J         | 0.20   | 0.060   | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Barium    | 0.078  |           | 0.0020 | 0.00070 | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Calcium   | 113    |           | 0.50   | 0.10    | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Chromium  | 0.0011 | J         | 0.0040 | 0.0010  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154313-1

Client Sample ID: MW-7-03

Lab Sample ID: 480-154313-3

Date Collected: 05/31/19 13:15

Matrix: Water

Date Received: 05/31/19 14:25

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Iron      | 0.42   | B         | 0.050  | 0.019   | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Magnesium | 19.9   |           | 0.20   | 0.043   | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Manganese | 0.60   | B         | 0.0030 | 0.00040 | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Nickel    | 0.0034 | J         | 0.010  | 0.0013  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Potassium | 6.1    |           | 0.50   | 0.10    | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Sodium    | 84.8   |           | 1.0    | 0.32    | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Vanadium  | 0.0041 | J         | 0.0050 | 0.0015  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 06/04/19 09:09 | 06/08/19 21:19 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 06/04/19 11:31 | 06/04/19 14:55 | 1       |

## Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID     | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                 |
|-------------------|--------------------|------------------------------------------------|-----------------|------------------|-----------------|
|                   |                    | DCA<br>(77-120)                                | BFB<br>(73-120) | DBFM<br>(75-123) | TOL<br>(80-120) |
| 480-154313-1      | MW-8-03            | 104                                            | 105             | 104              | 102             |
| 480-154313-2      | MW-8-03-DUP        | 106                                            | 106             | 103              | 98              |
| 480-154313-3      | MW-7-03            | 104                                            | 101             | 109              | 94              |
| 480-154313-3 - DL | MW-7-03            | 105                                            | 104             | 103              | 100             |
| LCS 480-475954/5  | Lab Control Sample | 100                                            | 93              | 100              | 97              |
| LCS 480-475967/5  | Lab Control Sample | 104                                            | 100             | 105              | 101             |
| MB 480-475954/7   | Method Blank       | 102                                            | 94              | 101              | 96              |
| MB 480-475967/7   | Method Blank       | 105                                            | 96              | 105              | 102             |

#### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane (Surr)  
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                 |                 |                    |
|--------------------|--------------------|------------------------------------------------|-----------------|-----------------|-----------------|-----------------|--------------------|
|                    |                    | TBP<br>(41-120)                                | FBP<br>(48-120) | 2FP<br>(35-120) | NBZ<br>(46-120) | PHL<br>(22-120) | TPHd14<br>(59-136) |
| 480-154313-1       | MW-8-03            | 102                                            | 90              | 54              | 68              | 36              | 58 X               |
| 480-154313-2       | MW-8-03-DUP        | 97                                             | 90              | 63              | 72              | 37              | 54 X               |
| 480-154313-3       | MW-7-03            | 88                                             | 90              | 58              | 73              | 37              | 69                 |
| LCS 480-475921/2-A | Lab Control Sample | 105                                            | 93              | 70              | 86              | 58              | 98                 |
| MB 480-475921/1-A  | Method Blank       | 79                                             | 80              | 57              | 73              | 44              | 92                 |

#### Surrogate Legend

TBP = 2,4,6-Tribromophenol  
FBP = 2-Fluorobiphenyl  
2FP = 2-Fluorophenol  
NBZ = Nitrobenzene-d5  
PHL = Phenol-d5  
TPHd14 = p-Terphenyl-d14

### Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                  |
|--------------------|--------------------|------------------------------------------------|------------------|
|                    |                    | DCBP1<br>(20-120)                              | TCX1<br>(44-120) |
| 480-154313-1       | MW-8-03            | 40                                             | 62               |
| 480-154313-2       | MW-8-03-DUP        | 24                                             | 60               |
| LCS 480-475990/2-A | Lab Control Sample | 27                                             | 77               |
| MB 480-475990/1-A  | Method Blank       | 40                                             | 75               |

#### Surrogate Legend

DCBP = DCB Decachlorobiphenyl  
TCX = Tetrachloro-m-xylene

## Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

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

Matrix: Water

Prep Type: Total/NA

#### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID   | TCX1<br>(39-121) | DCBP1<br>(19-120) |
|--------------------|--------------------|------------------|-------------------|
| 480-154313-1       | MW-8-03            | 49               | 15 X              |
| 480-154313-2       | MW-8-03-DUP        | 58               | 13 X              |
| LCS 480-475992/2-A | Lab Control Sample | 59               | 36                |
| MB 480-475992/1-A  | Method Blank       | 66               | 42                |

#### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

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

Lab Sample ID: MB 480-475954/7

Matrix: Water

Analysis Batch: 475954

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB<br>Result | MB<br>Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------------|-----------------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND           |                 | 1.0 | 0.82 | ug/L |   |          | 06/03/19 22:01 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND           |                 | 1.0 | 0.21 | ug/L |   |          | 06/03/19 22:01 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND           |                 | 1.0 | 0.31 | ug/L |   |          | 06/03/19 22:01 | 1       |
| 1,1,2-Trichloroethane                 | ND           |                 | 1.0 | 0.23 | ug/L |   |          | 06/03/19 22:01 | 1       |
| 1,1-Dichloroethane                    | ND           |                 | 1.0 | 0.38 | ug/L |   |          | 06/03/19 22:01 | 1       |
| 1,1-Dichloroethene                    | ND           |                 | 1.0 | 0.29 | ug/L |   |          | 06/03/19 22:01 | 1       |
| 1,2,4-Trichlorobenzene                | ND           |                 | 1.0 | 0.41 | ug/L |   |          | 06/03/19 22:01 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND           |                 | 1.0 | 0.39 | ug/L |   |          | 06/03/19 22:01 | 1       |
| 1,2-Dibromoethane                     | ND           |                 | 1.0 | 0.73 | ug/L |   |          | 06/03/19 22:01 | 1       |
| 1,2-Dichlorobenzene                   | ND           |                 | 1.0 | 0.79 | ug/L |   |          | 06/03/19 22:01 | 1       |
| 1,2-Dichloroethane                    | ND           |                 | 1.0 | 0.21 | ug/L |   |          | 06/03/19 22:01 | 1       |
| 1,2-Dichloropropane                   | ND           |                 | 1.0 | 0.72 | ug/L |   |          | 06/03/19 22:01 | 1       |
| 1,3-Dichlorobenzene                   | ND           |                 | 1.0 | 0.78 | ug/L |   |          | 06/03/19 22:01 | 1       |
| 1,4-Dichlorobenzene                   | ND           |                 | 1.0 | 0.84 | ug/L |   |          | 06/03/19 22:01 | 1       |
| 2-Butanone (MEK)                      | ND           |                 | 10  | 1.3  | ug/L |   |          | 06/03/19 22:01 | 1       |
| 2-Hexanone                            | ND           |                 | 5.0 | 1.2  | ug/L |   |          | 06/03/19 22:01 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND           |                 | 5.0 | 2.1  | ug/L |   |          | 06/03/19 22:01 | 1       |
| Acetone                               | ND           |                 | 10  | 3.0  | ug/L |   |          | 06/03/19 22:01 | 1       |
| Benzene                               | ND           |                 | 1.0 | 0.41 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Bromodichloromethane                  | ND           |                 | 1.0 | 0.39 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Bromoform                             | ND           |                 | 1.0 | 0.26 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Bromomethane                          | ND           |                 | 1.0 | 0.69 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Carbon disulfide                      | ND           |                 | 1.0 | 0.19 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Carbon tetrachloride                  | ND           |                 | 1.0 | 0.27 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Chlorobenzene                         | ND           |                 | 1.0 | 0.75 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Chloroethane                          | ND           |                 | 1.0 | 0.32 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Chloroform                            | ND           |                 | 1.0 | 0.34 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Chloromethane                         | ND           |                 | 1.0 | 0.35 | ug/L |   |          | 06/03/19 22:01 | 1       |
| cis-1,2-Dichloroethene                | ND           |                 | 1.0 | 0.81 | ug/L |   |          | 06/03/19 22:01 | 1       |
| cis-1,3-Dichloropropene               | ND           |                 | 1.0 | 0.36 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Cyclohexane                           | ND           |                 | 1.0 | 0.18 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Dibromochloromethane                  | ND           |                 | 1.0 | 0.32 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Dichlorodifluoromethane               | ND           |                 | 1.0 | 0.68 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Ethylbenzene                          | ND           |                 | 1.0 | 0.74 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Isopropylbenzene                      | ND           |                 | 1.0 | 0.79 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Methyl acetate                        | ND           |                 | 2.5 | 1.3  | ug/L |   |          | 06/03/19 22:01 | 1       |
| Methyl tert-butyl ether               | ND           |                 | 1.0 | 0.16 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Methylcyclohexane                     | ND           |                 | 1.0 | 0.16 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Methylene Chloride                    | 0.464        | J               | 1.0 | 0.44 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Styrene                               | ND           |                 | 1.0 | 0.73 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Tetrachloroethene                     | ND           |                 | 1.0 | 0.36 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Toluene                               | ND           |                 | 1.0 | 0.51 | ug/L |   |          | 06/03/19 22:01 | 1       |
| trans-1,2-Dichloroethene              | ND           |                 | 1.0 | 0.90 | ug/L |   |          | 06/03/19 22:01 | 1       |
| trans-1,3-Dichloropropene             | ND           |                 | 1.0 | 0.37 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Trichloroethene                       | ND           |                 | 1.0 | 0.46 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Trichlorofluoromethane                | ND           |                 | 1.0 | 0.88 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Vinyl chloride                        | ND           |                 | 1.0 | 0.90 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Xylenes, Total                        | ND           |                 | 2.0 | 0.66 | ug/L |   |          | 06/03/19 22:01 | 1       |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

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

Lab Sample ID: MB 480-475954/7

Matrix: Water

Analysis Batch: 475954

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                      | MB<br>Result    | MB<br>Qualifier | RL       | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------------|-----------------|----------|-----|------|---|----------|----------------|---------|
| t-Butyl alcohol              | ND              |                 | 10       | 3.3 | ug/L |   |          | 06/03/19 22:01 | 1       |
| Surrogate                    | MB<br>%Recovery | MB<br>Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 102             |                 | 77 - 120 |     |      |   |          | 06/03/19 22:01 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94              |                 | 73 - 120 |     |      |   |          | 06/03/19 22:01 | 1       |
| Dibromofluoromethane (Surr)  | 101             |                 | 75 - 123 |     |      |   |          | 06/03/19 22:01 | 1       |
| Toluene-d8 (Surr)            | 96              |                 | 80 - 120 |     |      |   |          | 06/03/19 22:01 | 1       |

Lab Sample ID: LCS 480-475954/5

Matrix: Water

Analysis Batch: 475954

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------------------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 1,1,1-Trichloroethane                 | 25.0           | 26.5          |                  | ug/L |   | 106  | 73 - 126        |
| 1,1,2,2-Tetrachloroethane             | 25.0           | 24.0          |                  | ug/L |   | 96   | 76 - 120        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0           | 24.4          |                  | ug/L |   | 97   | 61 - 148        |
| 1,1,2-Trichloroethane                 | 25.0           | 24.3          |                  | ug/L |   | 97   | 76 - 122        |
| 1,1-Dichloroethane                    | 25.0           | 23.8          |                  | ug/L |   | 95   | 77 - 120        |
| 1,1-Dichloroethene                    | 25.0           | 24.3          |                  | ug/L |   | 97   | 66 - 127        |
| 1,2,4-Trichlorobenzene                | 25.0           | 25.4          |                  | ug/L |   | 102  | 79 - 122        |
| 1,2-Dibromo-3-Chloropropane           | 25.0           | 25.2          |                  | ug/L |   | 101  | 56 - 134        |
| 1,2-Dibromoethane                     | 25.0           | 24.2          |                  | ug/L |   | 97   | 77 - 120        |
| 1,2-Dichlorobenzene                   | 25.0           | 25.3          |                  | ug/L |   | 101  | 80 - 124        |
| 1,2-Dichloroethane                    | 25.0           | 24.9          |                  | ug/L |   | 100  | 75 - 120        |
| 1,2-Dichloropropane                   | 25.0           | 22.9          |                  | ug/L |   | 92   | 76 - 120        |
| 1,3-Dichlorobenzene                   | 25.0           | 25.4          |                  | ug/L |   | 101  | 77 - 120        |
| 1,4-Dichlorobenzene                   | 25.0           | 25.5          |                  | ug/L |   | 102  | 80 - 120        |
| 2-Butanone (MEK)                      | 125            | 103           |                  | ug/L |   | 82   | 57 - 140        |
| 2-Hexanone                            | 125            | 98.5          |                  | ug/L |   | 79   | 65 - 127        |
| 4-Methyl-2-pentanone (MIBK)           | 125            | 104           |                  | ug/L |   | 83   | 71 - 125        |
| Acetone                               | 125            | 103           |                  | ug/L |   | 82   | 56 - 142        |
| Benzene                               | 25.0           | 24.2          |                  | ug/L |   | 97   | 71 - 124        |
| Bromodichloromethane                  | 25.0           | 25.6          |                  | ug/L |   | 102  | 80 - 122        |
| Bromoform                             | 25.0           | 27.2          |                  | ug/L |   | 109  | 61 - 132        |
| Bromomethane                          | 25.0           | 22.8          |                  | ug/L |   | 91   | 55 - 144        |
| Carbon disulfide                      | 25.0           | 24.8          |                  | ug/L |   | 99   | 59 - 134        |
| Carbon tetrachloride                  | 25.0           | 28.2          |                  | ug/L |   | 113  | 72 - 134        |
| Chlorobenzene                         | 25.0           | 24.1          |                  | ug/L |   | 96   | 80 - 120        |
| Chloroethane                          | 25.0           | 24.3          |                  | ug/L |   | 97   | 69 - 136        |
| Chloroform                            | 25.0           | 22.1          |                  | ug/L |   | 88   | 73 - 127        |
| Chloromethane                         | 25.0           | 20.5          |                  | ug/L |   | 82   | 68 - 124        |
| cis-1,2-Dichloroethene                | 25.0           | 24.1          |                  | ug/L |   | 96   | 74 - 124        |
| cis-1,3-Dichloropropene               | 25.0           | 26.1          |                  | ug/L |   | 105  | 74 - 124        |
| Cyclohexane                           | 25.0           | 22.1          |                  | ug/L |   | 88   | 59 - 135        |
| Dibromochloromethane                  | 25.0           | 26.4          |                  | ug/L |   | 106  | 75 - 125        |
| Dichlorodifluoromethane               | 25.0           | 22.3          |                  | ug/L |   | 89   | 59 - 135        |
| Ethylbenzene                          | 25.0           | 24.7          |                  | ug/L |   | 99   | 77 - 123        |
| Isopropylbenzene                      | 25.0           | 26.6          |                  | ug/L |   | 106  | 77 - 122        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

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

Lab Sample ID: LCS 480-475954/5

Matrix: Water

Analysis Batch: 475954

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Methyl acetate            | 50.0        | 42.5       |               | ug/L |   | 85   | 74 - 133     |
| Methyl tert-butyl ether   | 25.0        | 26.0       |               | ug/L |   | 104  | 77 - 120     |
| Methylcyclohexane         | 25.0        | 24.0       |               | ug/L |   | 96   | 68 - 134     |
| Methylene Chloride        | 25.0        | 22.6       |               | ug/L |   | 91   | 75 - 124     |
| Styrene                   | 25.0        | 25.0       |               | ug/L |   | 100  | 80 - 120     |
| Tetrachloroethene         | 25.0        | 26.6       |               | ug/L |   | 106  | 74 - 122     |
| Toluene                   | 25.0        | 23.8       |               | ug/L |   | 95   | 80 - 122     |
| trans-1,2-Dichloroethene  | 25.0        | 25.2       |               | ug/L |   | 101  | 73 - 127     |
| trans-1,3-Dichloropropene | 25.0        | 25.6       |               | ug/L |   | 102  | 80 - 120     |
| Trichloroethene           | 25.0        | 23.5       |               | ug/L |   | 94   | 74 - 123     |
| Trichlorofluoromethane    | 25.0        | 24.3       |               | ug/L |   | 97   | 62 - 150     |
| Vinyl chloride            | 25.0        | 23.5       |               | ug/L |   | 94   | 65 - 133     |
| t-Butyl alcohol           | 250         | 220        |               | ug/L |   | 88   | 75 - 125     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 100           |               | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 93            |               | 73 - 120 |
| Dibromofluoromethane (Surr)  | 100           |               | 75 - 123 |
| Toluene-d8 (Surr)            | 97            |               | 80 - 120 |

Lab Sample ID: MB 480-475967/7

Matrix: Water

Analysis Batch: 475967

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 |   |          | 06/04/19 09:58 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 1.0 | 0.21 | ug/L |   |          | 06/04/19 09:58 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 1.0 | 0.31 | ug/L |   |          | 06/04/19 09:58 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 1.0 | 0.23 | ug/L |   |          | 06/04/19 09:58 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 1.0 | 0.38 | ug/L |   |          | 06/04/19 09:58 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 1.0 | 0.29 | ug/L |   |          | 06/04/19 09:58 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 1.0 | 0.41 | ug/L |   |          | 06/04/19 09:58 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0 | 0.39 | ug/L |   |          | 06/04/19 09:58 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 1.0 | 0.73 | ug/L |   |          | 06/04/19 09:58 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 1.0 | 0.79 | ug/L |   |          | 06/04/19 09:58 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 1.0 | 0.21 | ug/L |   |          | 06/04/19 09:58 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 1.0 | 0.72 | ug/L |   |          | 06/04/19 09:58 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 1.0 | 0.78 | ug/L |   |          | 06/04/19 09:58 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 1.0 | 0.84 | ug/L |   |          | 06/04/19 09:58 | 1       |
| 2-Butanone (MEK)                      | ND        |              | 10  | 1.3  | ug/L |   |          | 06/04/19 09:58 | 1       |
| 2-Hexanone                            | ND        |              | 5.0 | 1.2  | ug/L |   |          | 06/04/19 09:58 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND        |              | 5.0 | 2.1  | ug/L |   |          | 06/04/19 09:58 | 1       |
| Acetone                               | ND        |              | 10  | 3.0  | ug/L |   |          | 06/04/19 09:58 | 1       |
| Benzene                               | ND        |              | 1.0 | 0.41 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Bromodichloromethane                  | ND        |              | 1.0 | 0.39 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Bromoform                             | ND        |              | 1.0 | 0.26 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Bromomethane                          | ND        |              | 1.0 | 0.69 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Carbon disulfide                      | ND        |              | 1.0 | 0.19 | ug/L |   |          | 06/04/19 09:58 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

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

Lab Sample ID: MB 480-475967/7

Matrix: Water

Analysis Batch: 475967

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB<br>Result | MB<br>Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------------|-----------------|-----|------|------|---|----------|----------------|---------|
| Carbon tetrachloride      | ND           |                 | 1.0 | 0.27 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Chlorobenzene             | ND           |                 | 1.0 | 0.75 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Chloroethane              | ND           |                 | 1.0 | 0.32 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Chloroform                | ND           |                 | 1.0 | 0.34 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Chloromethane             | ND           |                 | 1.0 | 0.35 | ug/L |   |          | 06/04/19 09:58 | 1       |
| cis-1,2-Dichloroethene    | ND           |                 | 1.0 | 0.81 | ug/L |   |          | 06/04/19 09:58 | 1       |
| cis-1,3-Dichloropropene   | ND           |                 | 1.0 | 0.36 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Cyclohexane               | ND           |                 | 1.0 | 0.18 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Dibromochloromethane      | ND           |                 | 1.0 | 0.32 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Dichlorodifluoromethane   | ND           |                 | 1.0 | 0.68 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Ethylbenzene              | ND           |                 | 1.0 | 0.74 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Isopropylbenzene          | ND           |                 | 1.0 | 0.79 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Methyl acetate            | ND           |                 | 2.5 | 1.3  | ug/L |   |          | 06/04/19 09:58 | 1       |
| Methyl tert-butyl ether   | ND           |                 | 1.0 | 0.16 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Methylcyclohexane         | ND           |                 | 1.0 | 0.16 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Methylene Chloride        | ND           |                 | 1.0 | 0.44 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Styrene                   | ND           |                 | 1.0 | 0.73 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Tetrachloroethene         | ND           |                 | 1.0 | 0.36 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Toluene                   | ND           |                 | 1.0 | 0.51 | ug/L |   |          | 06/04/19 09:58 | 1       |
| trans-1,2-Dichloroethene  | ND           |                 | 1.0 | 0.90 | ug/L |   |          | 06/04/19 09:58 | 1       |
| trans-1,3-Dichloropropene | ND           |                 | 1.0 | 0.37 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Trichloroethene           | ND           |                 | 1.0 | 0.46 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Trichlorofluoromethane    | ND           |                 | 1.0 | 0.88 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Vinyl chloride            | ND           |                 | 1.0 | 0.90 | ug/L |   |          | 06/04/19 09:58 | 1       |
| Xylenes, Total            | ND           |                 | 2.0 | 0.66 | ug/L |   |          | 06/04/19 09:58 | 1       |
| t-Butyl alcohol           | ND           |                 | 10  | 3.3  | ug/L |   |          | 06/04/19 09:58 | 1       |

| Surrogate                    | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------------|-----------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 105             |                 | 77 - 120 |          | 06/04/19 09:58 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96              |                 | 73 - 120 |          | 06/04/19 09:58 | 1       |
| Dibromofluoromethane (Surr)  | 105             |                 | 75 - 123 |          | 06/04/19 09:58 | 1       |
| Toluene-d8 (Surr)            | 102             |                 | 80 - 120 |          | 06/04/19 09:58 | 1       |

Lab Sample ID: LCS 480-475967/5

Matrix: Water

Analysis Batch: 475967

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------------------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 1,1,1-Trichloroethane                 | 25.0           | 21.0          |                  | ug/L |   | 84   | 73 - 126        |
| 1,1,2,2-Tetrachloroethane             | 25.0           | 25.1          |                  | ug/L |   | 101  | 76 - 120        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0           | 18.1          |                  | ug/L |   | 72   | 61 - 148        |
| 1,1,2-Trichloroethane                 | 25.0           | 24.6          |                  | ug/L |   | 98   | 76 - 122        |
| 1,1-Dichloroethane                    | 25.0           | 24.7          |                  | ug/L |   | 99   | 77 - 120        |
| 1,1-Dichloroethene                    | 25.0           | 20.9          |                  | ug/L |   | 84   | 66 - 127        |
| 1,2,4-Trichlorobenzene                | 25.0           | 24.3          |                  | ug/L |   | 97   | 79 - 122        |
| 1,2-Dibromo-3-Chloropropane           | 25.0           | 21.5          |                  | ug/L |   | 86   | 56 - 134        |
| 1,2-Dibromoethane                     | 25.0           | 24.7          |                  | ug/L |   | 99   | 77 - 120        |
| 1,2-Dichlorobenzene                   | 25.0           | 25.3          |                  | ug/L |   | 101  | 80 - 124        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154313-1

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

Lab Sample ID: LCS 480-475967/5

Matrix: Water

Analysis Batch: 475967

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,2-Dichloroethane          | 25.0        | 26.4       |               | ug/L |   | 106  | 75 - 120     |
| 1,2-Dichloropropane         | 25.0        | 26.2       |               | ug/L |   | 105  | 76 - 120     |
| 1,3-Dichlorobenzene         | 25.0        | 24.4       |               | ug/L |   | 97   | 77 - 120     |
| 1,4-Dichlorobenzene         | 25.0        | 24.2       |               | ug/L |   | 97   | 80 - 120     |
| 2-Butanone (MEK)            | 125         | 130        |               | ug/L |   | 104  | 57 - 140     |
| 2-Hexanone                  | 125         | 127        |               | ug/L |   | 102  | 65 - 127     |
| 4-Methyl-2-pentanone (MIBK) | 125         | 127        |               | ug/L |   | 102  | 71 - 125     |
| Acetone                     | 125         | 150        |               | ug/L |   | 120  | 56 - 142     |
| Benzene                     | 25.0        | 25.1       |               | ug/L |   | 100  | 71 - 124     |
| Bromodichloromethane        | 25.0        | 24.3       |               | ug/L |   | 97   | 80 - 122     |
| Bromoform                   | 25.0        | 20.6       |               | ug/L |   | 82   | 61 - 132     |
| Bromomethane                | 25.0        | 24.4       |               | ug/L |   | 98   | 55 - 144     |
| Carbon disulfide            | 25.0        | 22.2       |               | ug/L |   | 89   | 59 - 134     |
| Carbon tetrachloride        | 25.0        | 19.2       |               | ug/L |   | 77   | 72 - 134     |
| Chlorobenzene               | 25.0        | 24.7       |               | ug/L |   | 99   | 80 - 120     |
| Chloroethane                | 25.0        | 22.2       |               | ug/L |   | 89   | 69 - 136     |
| Chloroform                  | 25.0        | 22.4       |               | ug/L |   | 90   | 73 - 127     |
| Chloromethane               | 25.0        | 25.7       |               | ug/L |   | 103  | 68 - 124     |
| cis-1,2-Dichloroethene      | 25.0        | 25.3       |               | ug/L |   | 101  | 74 - 124     |
| cis-1,3-Dichloropropene     | 25.0        | 25.6       |               | ug/L |   | 102  | 74 - 124     |
| Cyclohexane                 | 25.0        | 17.8       |               | ug/L |   | 71   | 59 - 135     |
| Dibromochloromethane        | 25.0        | 22.4       |               | ug/L |   | 90   | 75 - 125     |
| Dichlorodifluoromethane     | 25.0        | 26.5       |               | ug/L |   | 106  | 59 - 135     |
| Ethylbenzene                | 25.0        | 23.1       |               | ug/L |   | 92   | 77 - 123     |
| Isopropylbenzene            | 25.0        | 21.9       |               | ug/L |   | 88   | 77 - 122     |
| Methyl acetate              | 50.0        | 52.9       |               | ug/L |   | 106  | 74 - 133     |
| Methyl tert-butyl ether     | 25.0        | 25.5       |               | ug/L |   | 102  | 77 - 120     |
| Methylcyclohexane           | 25.0        | 17.2       |               | ug/L |   | 69   | 68 - 134     |
| Methylene Chloride          | 25.0        | 23.9       |               | ug/L |   | 96   | 75 - 124     |
| Styrene                     | 25.0        | 24.1       |               | ug/L |   | 97   | 80 - 120     |
| Tetrachloroethene           | 25.0        | 21.4       |               | ug/L |   | 86   | 74 - 122     |
| Toluene                     | 25.0        | 23.4       |               | ug/L |   | 94   | 80 - 122     |
| trans-1,2-Dichloroethene    | 25.0        | 23.7       |               | ug/L |   | 95   | 73 - 127     |
| trans-1,3-Dichloropropene   | 25.0        | 24.4       |               | ug/L |   | 97   | 80 - 120     |
| Trichloroethene             | 25.0        | 23.9       |               | ug/L |   | 96   | 74 - 123     |
| Trichlorofluoromethane      | 25.0        | 24.0       |               | ug/L |   | 96   | 62 - 150     |
| Vinyl chloride              | 25.0        | 24.8       |               | ug/L |   | 99   | 65 - 133     |
| t-Butyl alcohol             | 250         | 292        |               | ug/L |   | 117  | 75 - 125     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 104           |               | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 100           |               | 73 - 120 |
| Dibromofluoromethane (Surr)  | 105           |               | 75 - 123 |
| Toluene-d8 (Surr)            | 101           |               | 80 - 120 |

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

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

Lab Sample ID: MB 480-475921/1-A

Matrix: Water

Analysis Batch: 477043

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475921

| Analyte                       | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND        |              | 5.0 | 0.48 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2,4,6-Trichlorophenol         | ND        |              | 5.0 | 0.61 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2,4-Dichlorophenol            | ND        |              | 5.0 | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2,4-Dimethylphenol            | ND        |              | 5.0 | 0.50 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2,4-Dinitrophenol             | ND        |              | 10  | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2,4-Dinitrotoluene            | ND        |              | 5.0 | 0.45 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2,6-Dinitrotoluene            | ND        |              | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2-Chloronaphthalene           | ND        |              | 5.0 | 0.46 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2-Chlorophenol                | ND        |              | 5.0 | 0.53 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2-Methylnaphthalene           | ND        |              | 5.0 | 0.60 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2-Methylphenol                | ND        |              | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2-Nitroaniline                | ND        |              | 10  | 0.42 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2-Nitrophenol                 | ND        |              | 5.0 | 0.48 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 3,3'-Dichlorobenzidine        | ND        |              | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 3-Nitroaniline                | ND        |              | 10  | 0.48 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND        |              | 10  | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 4-Bromophenyl phenyl ether    | ND        |              | 5.0 | 0.45 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 4-Chloro-3-methylphenol       | ND        |              | 5.0 | 0.45 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 4-Chloroaniline               | ND        |              | 5.0 | 0.59 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 4-Chlorophenyl phenyl ether   | ND        |              | 5.0 | 0.35 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 4-Methylphenol                | ND        |              | 10  | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 4-Nitroaniline                | ND        |              | 10  | 0.25 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 4-Nitrophenol                 | ND        |              | 10  | 1.5  | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Acenaphthene                  | ND        |              | 5.0 | 0.41 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Acenaphthylene                | ND        |              | 5.0 | 0.38 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Acetophenone                  | ND        |              | 5.0 | 0.54 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Anthracene                    | ND        |              | 5.0 | 0.28 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Atrazine                      | ND        |              | 5.0 | 0.46 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Benzaldehyde                  | ND        |              | 5.0 | 0.27 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Benzo(a)anthracene            | ND        |              | 5.0 | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Benzo(a)pyrene                | ND        |              | 5.0 | 0.47 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Benzo(b)fluoranthene          | ND        |              | 5.0 | 0.34 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Benzo(g,h,i)perylene          | ND        |              | 5.0 | 0.35 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Benzo(k)fluoranthene          | ND        |              | 5.0 | 0.73 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Biphenyl                      | ND        |              | 5.0 | 0.65 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| bis (2-chloroisopropyl) ether | ND        |              | 5.0 | 0.52 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Bis(2-chloroethoxy)methane    | ND        |              | 5.0 | 0.35 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Bis(2-chloroethyl)ether       | ND        |              | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND        |              | 5.0 | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Butyl benzyl phthalate        | ND        |              | 5.0 | 1.0  | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Caprolactam                   | ND        |              | 5.0 | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Carbazole                     | ND        |              | 5.0 | 0.30 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Chrysene                      | ND        |              | 5.0 | 0.33 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Dibenz(a,h)anthracene         | ND        |              | 5.0 | 0.42 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Dibenzofuran                  | ND        |              | 10  | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Diethyl phthalate             | ND        |              | 5.0 | 0.22 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Dimethyl phthalate            | ND        |              | 5.0 | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Di-n-butyl phthalate          | ND        |              | 5.0 | 0.31 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

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

Lab Sample ID: MB 480-475921/1-A

Matrix: Water

Analysis Batch: 477043

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475921

| Analyte                   | MB<br>Result | MB<br>Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------------|-----------------|-----|------|------|---|----------------|----------------|---------|
| Di-n-octyl phthalate      | ND           |                 | 5.0 | 0.47 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Fluoranthene              | ND           |                 | 5.0 | 0.40 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Fluorene                  | ND           |                 | 5.0 | 0.36 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Hexachlorobenzene         | ND           |                 | 5.0 | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Hexachlorobutadiene       | ND           |                 | 5.0 | 0.68 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Hexachlorocyclopentadiene | ND           |                 | 5.0 | 0.59 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Hexachloroethane          | ND           |                 | 5.0 | 0.59 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Indeno(1,2,3-cd)pyrene    | ND           |                 | 5.0 | 0.47 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Isophorone                | ND           |                 | 5.0 | 0.43 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Naphthalene               | ND           |                 | 5.0 | 0.76 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Nitrobenzene              | ND           |                 | 5.0 | 0.29 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| N-Nitrosodi-n-propylamine | ND           |                 | 5.0 | 0.54 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| N-Nitrosodiphenylamine    | ND           |                 | 5.0 | 0.51 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Pentachlorophenol         | ND           |                 | 10  | 2.2  | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Phenanthrene              | ND           |                 | 5.0 | 0.44 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Phenol                    | ND           |                 | 5.0 | 0.39 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Pyrene                    | ND           |                 | 5.0 | 0.34 | ug/L |   | 06/03/19 15:49 | 06/10/19 17:25 | 1       |

| Surrogate            | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 79              |                 | 41 - 120 | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2-Fluorobiphenyl     | 80              |                 | 48 - 120 | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| 2-Fluorophenol       | 57              |                 | 35 - 120 | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Nitrobenzene-d5      | 73              |                 | 46 - 120 | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| Phenol-d5            | 44              |                 | 22 - 120 | 06/03/19 15:49 | 06/10/19 17:25 | 1       |
| p-Terphenyl-d14      | 92              |                 | 59 - 136 | 06/03/19 15:49 | 06/10/19 17:25 | 1       |

Lab Sample ID: LCS 480-475921/2-A

Matrix: Water

Analysis Batch: 477043

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475921

| Analyte                    | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|----------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 2,4,5-Trichlorophenol      | 32.0           | 30.9          |                  | ug/L |   | 97   | 65 - 126        |
| 2,4,6-Trichlorophenol      | 32.0           | 35.2          |                  | ug/L |   | 110  | 64 - 120        |
| 2,4-Dichlorophenol         | 32.0           | 30.7          |                  | ug/L |   | 96   | 63 - 120        |
| 2,4-Dimethylphenol         | 32.0           | 29.2          |                  | ug/L |   | 91   | 47 - 120        |
| 2,4-Dinitrophenol          | 64.0           | 68.8          |                  | ug/L |   | 108  | 31 - 137        |
| 2,4-Dinitrotoluene         | 32.0           | 34.1          |                  | ug/L |   | 107  | 69 - 120        |
| 2,6-Dinitrotoluene         | 32.0           | 34.6          |                  | ug/L |   | 108  | 68 - 120        |
| 2-Chloronaphthalene        | 32.0           | 38.5          |                  | ug/L |   | 120  | 58 - 120        |
| 2-Chlorophenol             | 32.0           | 27.8          |                  | ug/L |   | 87   | 48 - 120        |
| 2-Methylnaphthalene        | 32.0           | 29.4          |                  | ug/L |   | 92   | 59 - 120        |
| 2-Methylphenol             | 32.0           | 29.0          |                  | ug/L |   | 91   | 39 - 120        |
| 2-Nitroaniline             | 32.0           | 33.1          |                  | ug/L |   | 104  | 54 - 127        |
| 2-Nitrophenol              | 32.0           | 30.2          |                  | ug/L |   | 94   | 52 - 125        |
| 3,3'-Dichlorobenzidine     | 64.0           | 81.9          |                  | ug/L |   | 128  | 49 - 135        |
| 3-Nitroaniline             | 32.0           | 35.7          |                  | ug/L |   | 112  | 51 - 120        |
| 4,6-Dinitro-2-methylphenol | 64.0           | 74.9          |                  | ug/L |   | 117  | 46 - 136        |
| 4-Bromophenyl phenyl ether | 32.0           | 31.5          |                  | ug/L |   | 98   | 65 - 120        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154313-1

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

Lab Sample ID: LCS 480-475921/2-A

Matrix: Water

Analysis Batch: 477043

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475921

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 4-Chloro-3-methylphenol       | 32.0        | 30.2       |               | ug/L |   | 94   | 61 - 123     |
| 4-Chloroaniline               | 32.0        | 31.4       |               | ug/L |   | 98   | 30 - 120     |
| 4-Chlorophenyl phenyl ether   | 32.0        | 31.5       |               | ug/L |   | 99   | 62 - 120     |
| 4-Methylphenol                | 32.0        | 28.3       |               | ug/L |   | 88   | 29 - 131     |
| 4-Nitroaniline                | 32.0        | 36.2       |               | ug/L |   | 113  | 65 - 120     |
| 4-Nitrophenol                 | 64.0        | 55.9       |               | ug/L |   | 87   | 45 - 120     |
| Acenaphthene                  | 32.0        | 31.2       |               | ug/L |   | 97   | 60 - 120     |
| Acenaphthylene                | 32.0        | 32.5       |               | ug/L |   | 101  | 63 - 120     |
| Acetophenone                  | 32.0        | 30.0       |               | ug/L |   | 94   | 45 - 120     |
| Anthracene                    | 32.0        | 31.2       |               | ug/L |   | 97   | 67 - 120     |
| Atrazine                      | 64.0        | 66.6       |               | ug/L |   | 104  | 71 - 130     |
| Benzaldehyde                  | 64.0        | 58.8       |               | ug/L |   | 92   | 10 - 140     |
| Benzo(a)anthracene            | 32.0        | 31.5       |               | ug/L |   | 98   | 70 - 121     |
| Benzo(a)pyrene                | 32.0        | 30.5       |               | ug/L |   | 95   | 60 - 123     |
| Benzo(b)fluoranthene          | 32.0        | 33.4       |               | ug/L |   | 104  | 66 - 126     |
| Benzo(g,h,i)perylene          | 32.0        | 33.7       |               | ug/L |   | 105  | 66 - 150     |
| Benzo(k)fluoranthene          | 32.0        | 33.8       |               | ug/L |   | 106  | 65 - 124     |
| Biphenyl                      | 32.0        | 30.5       |               | ug/L |   | 95   | 59 - 120     |
| bis (2-chloroisopropyl) ether | 32.0        | 27.9       |               | ug/L |   | 87   | 21 - 136     |
| Bis(2-chloroethoxy)methane    | 32.0        | 29.4       |               | ug/L |   | 92   | 50 - 128     |
| Bis(2-chloroethyl)ether       | 32.0        | 26.3       |               | ug/L |   | 82   | 44 - 120     |
| Bis(2-ethylhexyl) phthalate   | 32.0        | 35.5       |               | ug/L |   | 111  | 63 - 139     |
| Butyl benzyl phthalate        | 32.0        | 34.4       |               | ug/L |   | 108  | 70 - 129     |
| Caprolactam                   | 64.0        | 22.8       |               | ug/L |   | 36   | 22 - 120     |
| Carbazole                     | 32.0        | 35.1       |               | ug/L |   | 110  | 66 - 123     |
| Chrysene                      | 32.0        | 34.4       |               | ug/L |   | 108  | 69 - 120     |
| Dibenz(a,h)anthracene         | 32.0        | 33.8       |               | ug/L |   | 106  | 65 - 135     |
| Dibenzofuran                  | 32.0        | 31.7       |               | ug/L |   | 99   | 66 - 120     |
| Diethyl phthalate             | 32.0        | 33.7       |               | ug/L |   | 105  | 59 - 127     |
| Dimethyl phthalate            | 32.0        | 34.1       |               | ug/L |   | 107  | 68 - 120     |
| Di-n-butyl phthalate          | 32.0        | 33.1       |               | ug/L |   | 103  | 69 - 131     |
| Di-n-octyl phthalate          | 32.0        | 34.6       |               | ug/L |   | 108  | 63 - 140     |
| Fluoranthene                  | 32.0        | 32.7       |               | ug/L |   | 102  | 69 - 126     |
| Fluorene                      | 32.0        | 33.7       |               | ug/L |   | 105  | 66 - 120     |
| Hexachlorobenzene             | 32.0        | 32.6       |               | ug/L |   | 102  | 61 - 120     |
| Hexachlorobutadiene           | 32.0        | 25.3       |               | ug/L |   | 79   | 35 - 120     |
| Hexachlorocyclopentadiene     | 32.0        | 27.5       |               | ug/L |   | 86   | 31 - 120     |
| Hexachloroethane              | 32.0        | 25.5       |               | ug/L |   | 80   | 43 - 120     |
| Indeno(1,2,3-cd)pyrene        | 32.0        | 33.5       |               | ug/L |   | 105  | 69 - 146     |
| Isophorone                    | 32.0        | 31.0       |               | ug/L |   | 97   | 55 - 120     |
| Naphthalene                   | 32.0        | 29.9       |               | ug/L |   | 93   | 57 - 120     |
| Nitrobenzene                  | 32.0        | 29.6       |               | ug/L |   | 93   | 53 - 123     |
| N-Nitrosodi-n-propylamine     | 32.0        | 30.7       |               | ug/L |   | 96   | 32 - 140     |
| N-Nitrosodiphenylamine        | 32.0        | 32.2       |               | ug/L |   | 101  | 61 - 120     |
| Pentachlorophenol             | 64.0        | 67.8       |               | ug/L |   | 106  | 29 - 136     |
| Phenanthrene                  | 32.0        | 35.2       |               | ug/L |   | 110  | 68 - 120     |
| Phenol                        | 32.0        | 19.8       |               | ug/L |   | 62   | 17 - 120     |
| Pyrene                        | 32.0        | 33.3       |               | ug/L |   | 104  | 70 - 125     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

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

Lab Sample ID: LCS 480-475921/2-A

Matrix: Water

Analysis Batch: 477043

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475921

|                      | LCS       | LCS       |          |
|----------------------|-----------|-----------|----------|
| Surrogate            | %Recovery | Qualifier | Limits   |
| 2,4,6-Tribromophenol | 105       |           | 41 - 120 |
| 2-Fluorobiphenyl     | 93        |           | 48 - 120 |
| 2-Fluorophenol       | 70        |           | 35 - 120 |
| Nitrobenzene-d5      | 86        |           | 46 - 120 |
| Phenol-d5            | 58        |           | 22 - 120 |
| p-Terphenyl-d14      | 98        |           | 59 - 136 |

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-475931/1-A

Matrix: Water

Analysis Batch: 476158

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475931

| Analyte          | MB        | MB        | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | Result    | Qualifier |          |      |      |   | 06/03/19 16:02 | 06/04/19 17:58 | 1       |
|                  | ND        |           | 0.20     | 0.10 | ug/L |   |                |                |         |
| Isotope Dilution | MB        | MB        |          |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | %Recovery | Qualifier | Limits   |      |      |   | 06/03/19 16:02 | 06/04/19 17:58 | 1       |
|                  | 33        |           | 15 - 110 |      |      |   |                |                |         |

Lab Sample ID: LCS 480-475931/2-A

Matrix: Water

Analysis Batch: 476158

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475931

| Analyte          |           | Spike     | LCS      | LCS       | Unit | D | %Rec | %Rec. | Limits   |
|------------------|-----------|-----------|----------|-----------|------|---|------|-------|----------|
| 1,4-Dioxane      |           | Added     | Result   | Qualifier |      |   | 117  |       | 40 - 140 |
|                  |           | 1.00      | 1.17     |           | ug/L |   |      |       |          |
| Isotope Dilution | LCS       | LCS       |          |           |      |   |      |       |          |
| 1,4-Dioxane-d8   | %Recovery | Qualifier | Limits   |           |      |   |      |       |          |
|                  | 29        |           | 15 - 110 |           |      |   |      |       |          |

## Method: 310.13 - Identification of Routine Petroleum Products

Lab Sample ID: MB 480-475928/1-A

Matrix: Water

Analysis Batch: 476051

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475928

| Analyte              | MB     | MB        | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | Result | Qualifier |      |      |      |   | 06/03/19 15:58 | 06/04/19 15:41 | 1       |
|                      | ND     |           | 0.20 | 0.20 | mg/L |   |                |                |         |
| Kerosene             | ND     |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 15:41 | 1       |
| Motor Oil            | ND     |           | 1.0  | 1.0  | mg/L |   | 06/03/19 15:58 | 06/04/19 15:41 | 1       |
| Fuel Oil #2          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 15:41 | 1       |
| Fuel Oil #4          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 15:41 | 1       |
| Fuel Oil #6          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/03/19 15:58 | 06/04/19 15:41 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.20 | 0.20 | mg/L |   | 06/03/19 15:58 | 06/04/19 15:41 | 1       |

Lab Sample ID: LCS 480-475928/2-A

Matrix: Water

Analysis Batch: 476051

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475928

| Analyte     |  | Spike | LCS    | LCS       | Unit | D | %Rec | %Rec. | Limits   |
|-------------|--|-------|--------|-----------|------|---|------|-------|----------|
| Fuel Oil #2 |  | Added | Result | Qualifier |      |   | 84   |       | 50 - 150 |
|             |  | 1.50  | 1.26   |           | mg/L |   |      |       |          |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

## Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-475990/1-A

Matrix: Water

Analysis Batch: 476203

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475990

| Analyte             | MB Result | MB Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND        |              | 0.050 | 0.0092 | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| 4,4'-DDE            | ND        |              | 0.050 | 0.012  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| 4,4'-DDT            | ND        |              | 0.050 | 0.011  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Aldrin              | ND        |              | 0.050 | 0.0081 | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| alpha-BHC           | ND        |              | 0.050 | 0.0077 | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| cis-Chlordane       | ND        |              | 0.050 | 0.015  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| beta-BHC            | ND        |              | 0.050 | 0.025  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| delta-BHC           | ND        |              | 0.050 | 0.010  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Dieldrin            | ND        |              | 0.050 | 0.0098 | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Endosulfan I        | ND        |              | 0.050 | 0.011  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Endosulfan II       | ND        |              | 0.050 | 0.012  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Endosulfan sulfate  | ND        |              | 0.050 | 0.016  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Endrin              | ND        |              | 0.050 | 0.014  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Endrin aldehyde     | ND        |              | 0.050 | 0.016  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Endrin ketone       | ND        |              | 0.050 | 0.012  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| gamma-BHC (Lindane) | ND        |              | 0.050 | 0.0080 | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| trans-Chlordane     | ND        |              | 0.050 | 0.011  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Heptachlor          | ND        |              | 0.050 | 0.0085 | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Heptachlor epoxide  | ND        |              | 0.050 | 0.0074 | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Methoxychlor        | ND        |              | 0.050 | 0.014  | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Toxaphene           | ND        |              | 0.50  | 0.12   | ug/L |   | 06/04/19 07:53 | 06/05/19 11:27 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 40           |              | 20 - 120 | 06/04/19 07:53 | 06/05/19 11:27 | 1       |
| Tetrachloro-m-xylene   | 75           |              | 44 - 120 | 06/04/19 07:53 | 06/05/19 11:27 | 1       |

Lab Sample ID: LCS 480-475990/2-A

Matrix: Water

Analysis Batch: 476203

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475990

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|------|---|------|--------------|
| 4,4'-DDD            | 0.400       | 0.448      |               | ug/L |   | 112  | 64 - 129     |
| 4,4'-DDE            | 0.400       | 0.352      |               | ug/L |   | 88   | 50 - 120     |
| 4,4'-DDT            | 0.400       | 0.448      |               | ug/L |   | 112  | 59 - 120     |
| Aldrin              | 0.400       | 0.225      |               | ug/L |   | 56   | 40 - 125     |
| alpha-BHC           | 0.400       | 0.327      |               | ug/L |   | 82   | 52 - 125     |
| cis-Chlordane       | 0.400       | 0.360      |               | ug/L |   | 90   | 52 - 120     |
| beta-BHC            | 0.400       | 0.358      |               | ug/L |   | 90   | 51 - 120     |
| delta-BHC           | 0.400       | 0.420      |               | ug/L |   | 105  | 51 - 120     |
| Dieldrin            | 0.400       | 0.424      |               | ug/L |   | 106  | 66 - 128     |
| Endosulfan I        | 0.400       | 0.414      |               | ug/L |   | 103  | 57 - 120     |
| Endosulfan II       | 0.400       | 0.464      |               | ug/L |   | 116  | 66 - 131     |
| Endosulfan sulfate  | 0.400       | 0.426      |               | ug/L |   | 107  | 66 - 136     |
| Endrin              | 0.400       | 0.443      |               | ug/L |   | 111  | 65 - 135     |
| Endrin aldehyde     | 0.400       | 0.342      |               | ug/L |   | 85   | 61 - 134     |
| Endrin ketone       | 0.400       | 0.454      |               | ug/L |   | 114  | 71 - 133     |
| gamma-BHC (Lindane) | 0.400       | 0.368      |               | ug/L |   | 92   | 56 - 120     |
| trans-Chlordane     | 0.400       | 0.359      |               | ug/L |   | 90   | 54 - 120     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

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

Lab Sample ID: LCS 480-475990/2-A

Matrix: Water

Analysis Batch: 476203

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475990

| Analyte            | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------|-------------|------------|---------------|------|---|------|--------------|
| Heptachlor         | 0.400       | 0.346      |               | ug/L |   | 87   | 58 - 120     |
| Heptachlor epoxide | 0.400       | 0.411      |               | ug/L |   | 103  | 65 - 125     |
| Methoxychlor       | 0.400       | 0.469      |               | ug/L |   | 117  | 50 - 150     |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| DCB Decachlorobiphenyl | 27            |               | 20 - 120 |
| Tetrachloro-m-xylene   | 77            |               | 44 - 120 |

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

Lab Sample ID: MB 480-475992/1-A

Matrix: Water

Analysis Batch: 476119

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 475992

| Analyte  | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| PCB-1016 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| PCB-1221 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| PCB-1232 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| PCB-1242 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| PCB-1248 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| PCB-1254 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| PCB-1260 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| PCB-1262 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| PCB-1268 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/04/19 08:00 | 06/04/19 17:30 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 66           |              | 39 - 121 | 06/04/19 08:00 | 06/04/19 17:30 | 1       |
| DCB Decachlorobiphenyl | 42           |              | 19 - 120 | 06/04/19 08:00 | 06/04/19 17:30 | 1       |

Lab Sample ID: LCS 480-475992/2-A

Matrix: Water

Analysis Batch: 476119

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475992

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| PCB-1016 | 4.00        | 2.67       |               | ug/L |   | 67   | 62 - 130     |
| PCB-1260 | 4.00        | 2.83       |               | ug/L |   | 71   | 56 - 123     |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| Tetrachloro-m-xylene   | 59            |               | 39 - 121 |
| DCB Decachlorobiphenyl | 36            |               | 19 - 120 |

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-475916/1-A  
Matrix: Water  
Analysis Batch: 476995

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 475916

| Analyte   | MB Result | MB Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND        |              | 0.20   | 0.060   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Antimony  | ND        |              | 0.020  | 0.0068  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Arsenic   | ND        |              | 0.015  | 0.0056  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Barium    | ND        |              | 0.0020 | 0.00070 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Beryllium | ND        |              | 0.0020 | 0.00030 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Cadmium   | ND        |              | 0.0020 | 0.00050 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Calcium   | ND        |              | 0.50   | 0.10    | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Chromium  | ND        |              | 0.0040 | 0.0010  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Cobalt    | ND        |              | 0.0040 | 0.00063 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Copper    | ND        |              | 0.010  | 0.0016  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Iron      | 0.0273    | J            | 0.050  | 0.019   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Lead      | ND        |              | 0.010  | 0.0030  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Magnesium | ND        |              | 0.20   | 0.043   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Manganese | 0.00103   | J            | 0.0030 | 0.00040 | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Nickel    | ND        |              | 0.010  | 0.0013  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Potassium | ND        |              | 0.50   | 0.10    | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Selenium  | ND        |              | 0.025  | 0.0087  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Silver    | ND        |              | 0.0060 | 0.0017  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Sodium    | ND        |              | 1.0    | 0.32    | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Thallium  | ND        |              | 0.020  | 0.010   | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Vanadium  | ND        |              | 0.0050 | 0.0015  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |
| Zinc      | 0.00531   | J            | 0.010  | 0.0015  | mg/L |   | 06/04/19 09:09 | 06/08/19 20:12 | 1       |

Lab Sample ID: LCS 480-475916/2-A  
Matrix: Water  
Analysis Batch: 476995

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 475916

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|-------------|------------|---------------|------|---|------|--------------|
| Aluminum  | 10.0        | 9.57       |               | mg/L |   | 96   | 80 - 120     |
| Antimony  | 0.200       | 0.214      |               | mg/L |   | 107  | 80 - 120     |
| Arsenic   | 0.200       | 0.197      |               | mg/L |   | 98   | 80 - 120     |
| Barium    | 0.200       | 0.199      |               | mg/L |   | 99   | 80 - 120     |
| Beryllium | 0.200       | 0.204      |               | mg/L |   | 102  | 80 - 120     |
| Cadmium   | 0.200       | 0.199      |               | mg/L |   | 99   | 80 - 120     |
| Calcium   | 10.0        | 9.83       |               | mg/L |   | 98   | 80 - 120     |
| Chromium  | 0.200       | 0.200      |               | mg/L |   | 100  | 80 - 120     |
| Cobalt    | 0.200       | 0.187      |               | mg/L |   | 94   | 80 - 120     |
| Copper    | 0.200       | 0.191      |               | mg/L |   | 95   | 80 - 120     |
| Iron      | 10.0        | 9.75       |               | mg/L |   | 98   | 80 - 120     |
| Lead      | 0.200       | 0.190      |               | mg/L |   | 95   | 80 - 120     |
| Magnesium | 10.0        | 9.61       |               | mg/L |   | 96   | 80 - 120     |
| Manganese | 0.200       | 0.195      |               | mg/L |   | 97   | 80 - 120     |
| Nickel    | 0.200       | 0.194      |               | mg/L |   | 97   | 80 - 120     |
| Potassium | 10.0        | 9.42       |               | mg/L |   | 94   | 80 - 120     |
| Selenium  | 0.200       | 0.190      |               | mg/L |   | 95   | 80 - 120     |
| Silver    | 0.0500      | 0.0482     |               | mg/L |   | 96   | 80 - 120     |
| Sodium    | 10.0        | 9.29       |               | mg/L |   | 93   | 80 - 120     |
| Thallium  | 0.200       | 0.198      |               | mg/L |   | 99   | 80 - 120     |
| Vanadium  | 0.200       | 0.197      |               | mg/L |   | 98   | 80 - 120     |

Eurofins TestAmerica, Buffalo

## QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

### Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-475916/2-A

Matrix: Water

Analysis Batch: 476995

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 475916

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Zinc    | 0.200       | 0.206      |               | mg/L |   | 103  | 80 - 120     |

### Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-476061/1-A

Matrix: Water

Analysis Batch: 476143

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 476061

| Analyte | MB Result | MB Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND        |              | 0.00020 | 0.00012 | mg/L |   | 06/04/19 11:31 | 06/04/19 14:14 | 1       |

Lab Sample ID: LCS 480-476061/2-A

Matrix: Water

Analysis Batch: 476143

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476061

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Mercury | 0.00667     | 0.00707    |               | mg/L |   | 106  | 80 - 120     |

Lab Sample ID: MB 480-476062/1-A

Matrix: Water

Analysis Batch: 476143

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 476062

| Analyte | MB Result | MB Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND        |              | 0.00020 | 0.00012 | mg/L |   | 06/04/19 11:31 | 06/04/19 14:52 | 1       |

Lab Sample ID: LCS 480-476062/2-A

Matrix: Water

Analysis Batch: 476143

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476062

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Mercury | 0.00667     | 0.00713    |               | mg/L |   | 107  | 80 - 120     |

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

## GC/MS VOA

### Analysis Batch: 475954

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-154313-3     | MW-7-03            | Total/NA  | Water  | 8260C  |            |
| MB 480-475954/7  | Method Blank       | Total/NA  | Water  | 8260C  |            |
| LCS 480-475954/5 | Lab Control Sample | Total/NA  | Water  | 8260C  |            |

### Analysis Batch: 475967

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 480-154313-1      | MW-8-03            | Total/NA  | Water  | 8260C  |            |
| 480-154313-2      | MW-8-03-DUP        | Total/NA  | Water  | 8260C  |            |
| 480-154313-3 - DL | MW-7-03            | Total/NA  | Water  | 8260C  |            |
| MB 480-475967/7   | Method Blank       | Total/NA  | Water  | 8260C  |            |
| LCS 480-475967/5  | Lab Control Sample | Total/NA  | Water  | 8260C  |            |

## GC/MS Semi VOA

### Prep Batch: 475921

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154313-1       | MW-8-03            | Total/NA  | Water  | 3510C  |            |
| 480-154313-2       | MW-8-03-DUP        | Total/NA  | Water  | 3510C  |            |
| 480-154313-3       | MW-7-03            | Total/NA  | Water  | 3510C  |            |
| MB 480-475921/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-475921/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 475931

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154313-1       | MW-8-03            | Total/NA  | Water  | 3510C  |            |
| 480-154313-2       | MW-8-03-DUP        | Total/NA  | Water  | 3510C  |            |
| MB 480-475931/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-475931/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 476158

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method       | Prep Batch |
|--------------------|--------------------|-----------|--------|--------------|------------|
| MB 480-475931/1-A  | Method Blank       | Total/NA  | Water  | 8270D SIM ID | 475931     |
| LCS 480-475931/2-A | Lab Control Sample | Total/NA  | Water  | 8270D SIM ID | 475931     |

### Analysis Batch: 476593

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 480-154313-1  | MW-8-03          | Total/NA  | Water  | 8270D SIM ID | 475931     |

### Analysis Batch: 476799

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 480-154313-2  | MW-8-03-DUP      | Total/NA  | Water  | 8270D SIM ID | 475931     |

### Analysis Batch: 477043

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154313-1       | MW-8-03            | Total/NA  | Water  | 8270D  | 475921     |
| 480-154313-2       | MW-8-03-DUP        | Total/NA  | Water  | 8270D  | 475921     |
| 480-154313-3       | MW-7-03            | Total/NA  | Water  | 8270D  | 475921     |
| MB 480-475921/1-A  | Method Blank       | Total/NA  | Water  | 8270D  | 475921     |
| LCS 480-475921/2-A | Lab Control Sample | Total/NA  | Water  | 8270D  | 475921     |

Eurofins TestAmerica, Buffalo

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

## GC Semi VOA

### Prep Batch: 475928

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154313-1       | MW-8-03            | Total/NA  | Water  | 3510C  |            |
| 480-154313-2       | MW-8-03-DUP        | Total/NA  | Water  | 3510C  |            |
| MB 480-475928/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-475928/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 475990

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154313-1       | MW-8-03            | Total/NA  | Water  | 3510C  |            |
| 480-154313-2       | MW-8-03-DUP        | Total/NA  | Water  | 3510C  |            |
| MB 480-475990/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-475990/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 475992

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154313-1       | MW-8-03            | Total/NA  | Water  | 3510C  |            |
| 480-154313-2       | MW-8-03-DUP        | Total/NA  | Water  | 3510C  |            |
| MB 480-475992/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-475992/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 476051

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154313-1       | MW-8-03            | Total/NA  | Water  | 310.13 | 475928     |
| 480-154313-2       | MW-8-03-DUP        | Total/NA  | Water  | 310.13 | 475928     |
| MB 480-475928/1-A  | Method Blank       | Total/NA  | Water  | 310.13 | 475928     |
| LCS 480-475928/2-A | Lab Control Sample | Total/NA  | Water  | 310.13 | 475928     |

### Analysis Batch: 476119

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154313-1       | MW-8-03            | Total/NA  | Water  | 8082A  | 475992     |
| 480-154313-2       | MW-8-03-DUP        | Total/NA  | Water  | 8082A  | 475992     |
| MB 480-475992/1-A  | Method Blank       | Total/NA  | Water  | 8082A  | 475992     |
| LCS 480-475992/2-A | Lab Control Sample | Total/NA  | Water  | 8082A  | 475992     |

### Analysis Batch: 476203

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154313-1       | MW-8-03            | Total/NA  | Water  | 8081B  | 475990     |
| 480-154313-2       | MW-8-03-DUP        | Total/NA  | Water  | 8081B  | 475990     |
| MB 480-475990/1-A  | Method Blank       | Total/NA  | Water  | 8081B  | 475990     |
| LCS 480-475990/2-A | Lab Control Sample | Total/NA  | Water  | 8081B  | 475990     |

## Metals

### Prep Batch: 475916

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154313-1       | MW-8-03            | Total/NA  | Water  | 3005A  |            |
| 480-154313-2       | MW-8-03-DUP        | Total/NA  | Water  | 3005A  |            |
| 480-154313-3       | MW-7-03            | Total/NA  | Water  | 3005A  |            |
| MB 480-475916/1-A  | Method Blank       | Total/NA  | Water  | 3005A  |            |
| LCS 480-475916/2-A | Lab Control Sample | Total/NA  | Water  | 3005A  |            |

Eurofins TestAmerica, Buffalo

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

## Metals

### Prep Batch: 476061

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154313-1       | MW-8-03            | Total/NA  | Water  | 7470A  |            |
| 480-154313-2       | MW-8-03-DUP        | Total/NA  | Water  | 7470A  |            |
| MB 480-476061/1-A  | Method Blank       | Total/NA  | Water  | 7470A  |            |
| LCS 480-476061/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  |            |

### Prep Batch: 476062

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154313-3       | MW-7-03            | Total/NA  | Water  | 7470A  |            |
| MB 480-476062/1-A  | Method Blank       | Total/NA  | Water  | 7470A  |            |
| LCS 480-476062/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  |            |

### Analysis Batch: 476143

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154313-1       | MW-8-03            | Total/NA  | Water  | 7470A  | 476061     |
| 480-154313-2       | MW-8-03-DUP        | Total/NA  | Water  | 7470A  | 476061     |
| 480-154313-3       | MW-7-03            | Total/NA  | Water  | 7470A  | 476062     |
| MB 480-476061/1-A  | Method Blank       | Total/NA  | Water  | 7470A  | 476061     |
| MB 480-476062/1-A  | Method Blank       | Total/NA  | Water  | 7470A  | 476062     |
| LCS 480-476061/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  | 476061     |
| LCS 480-476062/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  | 476062     |

### Analysis Batch: 476995

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154313-1       | MW-8-03            | Total/NA  | Water  | 6010C  | 475916     |
| 480-154313-2       | MW-8-03-DUP        | Total/NA  | Water  | 6010C  | 475916     |
| 480-154313-3       | MW-7-03            | Total/NA  | Water  | 6010C  | 475916     |
| MB 480-475916/1-A  | Method Blank       | Total/NA  | Water  | 6010C  | 475916     |
| LCS 480-475916/2-A | Lab Control Sample | Total/NA  | Water  | 6010C  | 475916     |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

**Client Sample ID: MW-8-03**

**Lab Sample ID: 480-154313-1**

**Date Collected: 05/31/19 10:45**

**Matrix: Water**

**Date Received: 05/31/19 14:25**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 475967       | 06/04/19 11:33       | AEM     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475921       | 06/03/19 15:49       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 20              | 477043       | 06/10/19 21:08       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475931       | 06/03/19 16:02       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 1               | 476593       | 06/06/19 18:30       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475928       | 06/03/19 15:58       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 476051       | 06/04/19 19:52       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475990       | 06/04/19 07:53       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 2               | 476203       | 06/05/19 14:04       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475992       | 06/04/19 08:00       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 476119       | 06/04/19 19:09       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 475916       | 06/04/19 09:09       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 476995       | 06/08/19 21:11       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 476061       | 06/04/19 11:31       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 476143       | 06/04/19 14:50       | BMB     | TAL BUF |

**Client Sample ID: MW-8-03-DUP**

**Lab Sample ID: 480-154313-2**

**Date Collected: 05/31/19 10:45**

**Matrix: Water**

**Date Received: 05/31/19 14:25**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 475967       | 06/04/19 11:57       | AEM     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475921       | 06/03/19 15:49       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 20              | 477043       | 06/10/19 21:36       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475931       | 06/03/19 16:02       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 1               | 476799       | 06/07/19 17:35       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475928       | 06/03/19 15:58       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 476051       | 06/04/19 20:28       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475990       | 06/04/19 07:53       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 2               | 476203       | 06/05/19 14:24       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 475992       | 06/04/19 08:00       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 476119       | 06/04/19 19:22       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 475916       | 06/04/19 09:09       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 476995       | 06/08/19 21:15       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 476061       | 06/04/19 11:31       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 476143       | 06/04/19 14:51       | BMB     | TAL BUF |

**Client Sample ID: MW-7-03**

**Lab Sample ID: 480-154313-3**

**Date Collected: 05/31/19 13:15**

**Matrix: Water**

**Date Received: 05/31/19 14:25**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 20              | 475954       | 06/04/19 03:48       | AMM     | TAL BUF |
| Total/NA  | Analysis   | 8260C        | DL  | 50              | 475967       | 06/04/19 12:20       | AEM     | TAL BUF |

Eurofins TestAmerica, Buffalo



## Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154313-1

**Client Sample ID: MW-7-03**

**Lab Sample ID: 480-154313-3**

**Date Collected: 05/31/19 13:15**

**Matrix: Water**

**Date Received: 05/31/19 14:25**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 475921       | 06/03/19 15:49       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 20              | 477043       | 06/10/19 22:04       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 475916       | 06/04/19 09:09       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 476995       | 06/08/19 21:19       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 476062       | 06/04/19 11:31       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 476143       | 06/04/19 14:55       | BMB     | 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.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

### Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|-----------|---------|------------|-----------------------|-----------------|
| New York  | NELAP   | 2          | 10026                 | 03-31-20        |

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              |
|-----------------|-------------|--------|----------------------|
| 310.13          | 3510C       | Water  | Fuel Oil #2          |
| 310.13          | 3510C       | Water  | Fuel Oil #4          |
| 310.13          | 3510C       | Water  | Fuel Oil #6          |
| 310.13          | 3510C       | Water  | Gasoline             |
| 310.13          | 3510C       | Water  | Kerosene             |
| 310.13          | 3510C       | Water  | Motor Oil            |
| 310.13          | 3510C       | Water  | Unknown Hydrocarbons |

## Method Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

| Method       | Method Description                                            | Protocol | Laboratory |
|--------------|---------------------------------------------------------------|----------|------------|
| 8260C        | Volatile Organic Compounds by GC/MS                           | SW846    | TAL BUF    |
| 8270D        | Semivolatile Organic Compounds (GC/MS)                        | SW846    | TAL BUF    |
| 8270D SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | TAL BUF    |
| 310.13       | Identification of Routine Petroleum Products                  | NYASP    | TAL BUF    |
| 8081B        | Organochlorine Pesticides (GC)                                | SW846    | TAL BUF    |
| 8082A        | Polychlorinated Biphenyls (PCBs) by Gas Chromatography        | SW846    | TAL BUF    |
| 6010C        | Metals (ICP)                                                  | SW846    | TAL BUF    |
| 7470A        | Mercury (CVAA)                                                | SW846    | TAL BUF    |
| 3005A        | Preparation, Total Metals                                     | SW846    | TAL BUF    |
| 3510C        | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | TAL BUF    |
| 5030C        | Purge and Trap                                                | SW846    | TAL BUF    |
| 7470A        | Preparation, Mercury                                          | SW846    | TAL BUF    |

### Protocol References:

NYASP = New York Analytical Services Protocol

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: Vibratech #915165

Job ID: 480-154313-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 480-154313-1  | MW-8-03          | Water  | 05/31/19 10:45 | 05/31/19 14:25 |          |
| 480-154313-2  | MW-8-03-DUP      | Water  | 05/31/19 10:45 | 05/31/19 14:25 |          |
| 480-154313-3  | MW-7-03          | Water  | 05/31/19 13:15 | 05/31/19 14:25 |          |

314841

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING  
**TestAmerica Laboratories, Inc.**

TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:[illegible]

2 coolers @  $2.8^\circ\text{C}$   $3.0^\circ\text{C}$

## Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-154313-1

**Login Number: 154313**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Harper, Marcus D**

| 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   | LIRO    |
| 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    |         |

# Isotope Dilution Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154313-1

**Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID   | DXE      |  |  |  |  |  |
|--------------------|--------------------|----------|--|--|--|--|--|
|                    |                    | (15-110) |  |  |  |  |  |
| 480-154313-1       | MW-8-03            | 28       |  |  |  |  |  |
| 480-154313-2       | MW-8-03-DUP        | 27       |  |  |  |  |  |
| LCS 480-475931/2-A | Lab Control Sample | 29       |  |  |  |  |  |
| MB 480-475931/1-A  | Method Blank       | 33       |  |  |  |  |  |

### Surrogate Legend

DXE = 1,4-Dioxane-d8



## ANALYTICAL REPORT

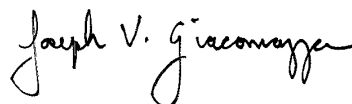
Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-154380-1  
Client Project/Site: Vibratex #915165

For:

New York State D.E.C.  
270 Michigan Avenue  
Buffalo, New York 14203

Attn: Mr. Maurice Moore



Authorized for release by:  
6/28/2019 9:34:09 AM

Joe Giacomazza, Project Management Assistant II  
[joe.giacomazza@testamericainc.com](mailto:joe.giacomazza@testamericainc.com)

Designee for

Orlette Johnson, Senior Project Manager  
(484)685-0864  
[orlette.johnson@testamericainc.com](mailto:orlette.johnson@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 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.*

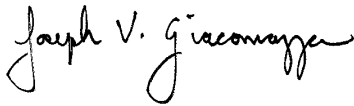
*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



---

Joe Giacomazza  
Project Management Assistant II  
6/28/2019 9:34:09 AM

# Table of Contents

Cover Page . . . . . 1

Table of Contents . . . . . 3

Definitions . . . . . 4

Case Narrative . . . . . 5

Detection Summary . . . . . 7

Client Sample Results . . . . . 9

Surrogate Summary . . . . . 22

QC Sample Results . . . . . 24

QC Association . . . . . 35

Chronicle . . . . . 38

Certification Summary . . . . . 40

Method Summary . . . . . 42

Sample Summary . . . . . 43

Chain of Custody . . . . . 44

Receipt Checklists . . . . . 47

Isotope Dilution Summary . . . . . 48



# Definitions/Glossary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

## Qualifiers

### GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| *         | LCS or LCSD is outside acceptance limits.                                                                      |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### GC/MS Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| B         | Compound was found in the blank and sample.                                                                    |
| E         | Result exceeded calibration range.                                                                             |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### 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. |

### Metals

| 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. |

## Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| 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)                                                                             |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| PQL            | Practical Quantitation Limit                                                                                |
| 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)                                                                       |

# Case Narrative

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

## Job ID: 480-154380-1

### Laboratory: Eurofins TestAmerica, Buffalo

#### Narrative

#### Job Narrative 480-154380-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 6/3/2019 4:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.2° C and 4.5° C.

#### GC/MS VOA

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-5-94 (480-154380-1) and MW-10-03 (480-154380-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-476183 recovered outside control limits for the following analyte: 2-Methyl-2-propanol. This analyte was 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(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-477057 recovered outside acceptance criteria, low biased, for Hexachlorocyclopentadiene and Pentachlorophenol. 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.

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-477057 was outside the method criteria for the following analyte(s): 2,4,6-Tribromophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: MW-5-94 (480-154380-1) and MW-10-03 (480-154380-3). Elevated reporting limits (RLs) are provided.

Method(s) 8270D SIM ID: The following sample was diluted due to the nature of the sample matrix: MW-5-94 (480-154380-1). Elevated reporting limits (RLs) are provided.

Method(s) 8270D SIM ID: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-7-03 (480-154380-2). Elevated reporting limits (RLs) are provided.

Method(s) 8270D SIM ID: The 1,4-Dioxane result reported for sample MW-7-03 (480-154380-2) 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.

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: The following sample was diluted due to the nature of the sample matrix: MW-7-03 (480-154380-2). As such, surrogate recoveries are below the calibration range, estimated and not representative. 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.

#### Metals

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

## Case Narrative

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

### Job ID: 480-154380-1 (Continued)

#### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

##### General Chemistry

Viscosity: The kinematic viscosity of the samples was determined using SOP number KNOX-WC-0011 (based on ASTM Method D445). The determination is made by measuring the time for a volume of liquid to flow under gravity through a calibrated capillary viscometer at 25°C, or at a client specified temperature. Results were calculated using the following equation:

Kinematic Viscosity, cSt = Mean Efflux Time, s × Viscometer Constant, cSt/s

The dynamic viscosity (Cp, centipoise) is calculated from the kinematic viscosity (cSt, centistokes) and the density (g/mL, g/cm<sup>3</sup>) using the following equation:

Dynamic Viscosity, cP = (Kinematic Viscosity, cSt) × (Density, g/cm<sup>3</sup>)

A reporting limit does not apply to this physical test. Default values were entered into the laboratory information management system to facilitate reporting of the sample results.

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 480-476468.

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 480-476471.

Method(s) 3510C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: MW-5-94 (480-154380-1), MW-7-03 (480-154380-2) and MW-10-03 (480-154380-3).

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: Vibratex #915165

Job ID: 480-154380-1

## Client Sample ID: MW-5-94

## Lab Sample ID: 480-154380-1

| Analyte                | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method       | Prep Type |
|------------------------|--------|-----------|--------|---------|------|---------|---|--------------|-----------|
| 1,1,1-Trichloroethane  | 3.5    |           | 2.0    | 1.6     | ug/L | 2       |   | 8260C        | Total/NA  |
| 1,1-Dichloroethane     | 19     |           | 2.0    | 0.76    | ug/L | 2       |   | 8260C        | Total/NA  |
| cis-1,2-Dichloroethene | 94     |           | 2.0    | 1.6     | ug/L | 2       |   | 8260C        | Total/NA  |
| Trichloroethene        | 20     |           | 2.0    | 0.92    | ug/L | 2       |   | 8260C        | Total/NA  |
| Vinyl chloride         | 11     |           | 2.0    | 1.8     | ug/L | 2       |   | 8260C        | Total/NA  |
| 1,4-Dioxane            | 5.5    |           | 1.9    | 0.96    | ug/L | 10      |   | 8270D SIM ID | Total/NA  |
| Motor Oil              | 22     |           | 0.97   | 0.97    | mg/L | 1       |   | 310.13       | Total/NA  |
| alpha-BHC              | 0.021  | J         | 0.057  | 0.0088  | ug/L | 1       |   | 8081B        | Total/NA  |
| Endosulfan II          | 0.015  | J         | 0.057  | 0.014   | ug/L | 1       |   | 8081B        | Total/NA  |
| Endrin aldehyde        | 0.027  | J         | 0.057  | 0.019   | ug/L | 1       |   | 8081B        | Total/NA  |
| Barium                 | 0.048  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C        | Total/NA  |
| Calcium                | 109    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Copper                 | 0.0025 | J B       | 0.010  | 0.0016  | mg/L | 1       |   | 6010C        | Total/NA  |
| Iron                   | 0.15   |           | 0.050  | 0.019   | mg/L | 1       |   | 6010C        | Total/NA  |
| Magnesium              | 22.9   |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C        | Total/NA  |
| Manganese              | 0.076  |           | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C        | Total/NA  |
| Nickel                 | 0.0028 | J         | 0.010  | 0.0013  | mg/L | 1       |   | 6010C        | Total/NA  |
| Potassium              | 6.4    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Sodium                 | 44.2   |           | 1.0    | 0.32    | mg/L | 1       |   | 6010C        | Total/NA  |

## Client Sample ID: MW-7-03

## Lab Sample ID: 480-154380-2

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method       | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------------|-----------|
| 1,4-Dioxane          | 15     | E         | 1.9  | 0.97  | ug/L | 10      |   | 8270D SIM ID | Total/NA  |
| Motor Oil            | 2.1    |           | 0.98 | 0.98  | mg/L | 1       |   | 310.13       | Total/NA  |
| Unknown Hydrocarbons | 1.8    |           | 0.20 | 0.20  | mg/L | 1       |   | 310.13       | Total/NA  |
| Endosulfan sulfate   | 0.20   | J         | 0.28 | 0.089 | ug/L | 5       |   | 8081B        | Total/NA  |

## Client Sample ID: MW-10-03

## Lab Sample ID: 480-154380-3

| Analyte                | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|--------|---------|------|---------|---|--------|-----------|
| 1,1,1-Trichloroethane  | 3.8    | J         | 4.0    | 3.3     | ug/L | 4       |   | 8260C  | Total/NA  |
| 1,1-Dichloroethane     | 59     |           | 4.0    | 1.5     | ug/L | 4       |   | 8260C  | Total/NA  |
| Benzene                | 2.2    | J         | 4.0    | 1.6     | ug/L | 4       |   | 8260C  | Total/NA  |
| Chloroethane           | 150    |           | 4.0    | 1.3     | ug/L | 4       |   | 8260C  | Total/NA  |
| cis-1,2-Dichloroethene | 13     |           | 4.0    | 3.2     | ug/L | 4       |   | 8260C  | Total/NA  |
| Cyclohexane            | 3.3    | J         | 4.0    | 0.72    | ug/L | 4       |   | 8260C  | Total/NA  |
| Methylcyclohexane      | 1.7    | J         | 4.0    | 0.64    | ug/L | 4       |   | 8260C  | Total/NA  |
| Trichloroethene        | 9.7    |           | 4.0    | 1.8     | ug/L | 4       |   | 8260C  | Total/NA  |
| 2-Methylnaphthalene    | 4.8    | J         | 25     | 3.0     | ug/L | 5       |   | 8270D  | Total/NA  |
| Benzo(a)pyrene         | 2.6    | J         | 25     | 2.4     | ug/L | 5       |   | 8270D  | Total/NA  |
| Benzo(b)fluoranthene   | 3.0    | J         | 25     | 1.7     | ug/L | 5       |   | 8270D  | Total/NA  |
| Benzo(g,h,i)perylene   | 2.7    | J         | 25     | 1.8     | ug/L | 5       |   | 8270D  | Total/NA  |
| Fluoranthene           | 3.0    | J         | 25     | 2.0     | ug/L | 5       |   | 8270D  | Total/NA  |
| Indeno(1,2,3-cd)pyrene | 2.4    | J         | 25     | 2.4     | ug/L | 5       |   | 8270D  | Total/NA  |
| Phenanthrene           | 3.6    | J B       | 25     | 2.2     | ug/L | 5       |   | 8270D  | Total/NA  |
| Pyrene                 | 2.9    | J         | 25     | 1.7     | ug/L | 5       |   | 8270D  | Total/NA  |
| alpha-BHC              | 0.012  | J         | 0.050  | 0.0077  | ug/L | 1       |   | 8081B  | Total/NA  |
| delta-BHC              | 0.010  | J         | 0.050  | 0.010   | ug/L | 1       |   | 8081B  | Total/NA  |
| trans-Chlordane        | 0.015  | J         | 0.050  | 0.011   | ug/L | 1       |   | 8081B  | Total/NA  |
| Aluminum               | 0.22   |           | 0.20   | 0.060   | mg/L | 1       |   | 6010C  | Total/NA  |
| Barium                 | 0.084  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

## Detection Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

### Client Sample ID: MW-10-03 (Continued)

### Lab Sample ID: 480-154380-3

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|--------|---------|------|---------|---|--------|-----------|
| Calcium   | 154    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Chromium  | 0.0023 | J         | 0.0040 | 0.0010  | mg/L | 1       |   | 6010C  | Total/NA  |
| Copper    | 0.0019 | J B       | 0.010  | 0.0016  | mg/L | 1       |   | 6010C  | Total/NA  |
| Iron      | 0.14   |           | 0.050  | 0.019   | mg/L | 1       |   | 6010C  | Total/NA  |
| Magnesium | 27.8   |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C  | Total/NA  |
| Manganese | 1.4    |           | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C  | Total/NA  |
| Nickel    | 0.0043 | J         | 0.010  | 0.0013  | mg/L | 1       |   | 6010C  | Total/NA  |
| Potassium | 10.3   |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Sodium    | 44.8   |           | 1.0    | 0.32    | mg/L | 1       |   | 6010C  | Total/NA  |

### Client Sample ID: MW-3-02-0.2

### Lab Sample ID: 480-154380-4

| Analyte             | Result | Qualifier | RL    | RL    | Unit               | Dil Fac | D | Method | Prep Type |
|---------------------|--------|-----------|-------|-------|--------------------|---------|---|--------|-----------|
| Kinematic Viscosity | 118    |           | 0.200 | 0.200 | mm <sup>2</sup> /s | 1       |   | D445   | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

Client Sample ID: MW-5-94

Lab Sample ID: 480-154380-1

Date Collected: 06/03/19 10:00

Matrix: Water

Date Received: 06/03/19 16:35

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

| Analyte                               | Result     | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| <b>1,1,1-Trichloroethane</b>          | <b>3.5</b> |           | 2.0 | 1.6  | ug/L |   |          | 06/05/19 04:32 | 2       |
| 1,1,2,2-Tetrachloroethane             | ND         |           | 2.0 | 0.42 | ug/L |   |          | 06/05/19 04:32 | 2       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND         |           | 2.0 | 0.62 | ug/L |   |          | 06/05/19 04:32 | 2       |
| 1,1,2-Trichloroethane                 | ND         |           | 2.0 | 0.46 | ug/L |   |          | 06/05/19 04:32 | 2       |
| <b>1,1-Dichloroethane</b>             | <b>19</b>  |           | 2.0 | 0.76 | ug/L |   |          | 06/05/19 04:32 | 2       |
| 1,1-Dichloroethene                    | ND         |           | 2.0 | 0.58 | ug/L |   |          | 06/05/19 04:32 | 2       |
| 1,2,4-Trichlorobenzene                | ND         |           | 2.0 | 0.82 | ug/L |   |          | 06/05/19 04:32 | 2       |
| 1,2-Dibromo-3-Chloropropane           | ND         |           | 2.0 | 0.78 | ug/L |   |          | 06/05/19 04:32 | 2       |
| 1,2-Dibromoethane                     | ND         |           | 2.0 | 1.5  | ug/L |   |          | 06/05/19 04:32 | 2       |
| 1,2-Dichlorobenzene                   | ND         |           | 2.0 | 1.6  | ug/L |   |          | 06/05/19 04:32 | 2       |
| 1,2-Dichloroethane                    | ND         |           | 2.0 | 0.42 | ug/L |   |          | 06/05/19 04:32 | 2       |
| 1,2-Dichloropropane                   | ND         |           | 2.0 | 1.4  | ug/L |   |          | 06/05/19 04:32 | 2       |
| 1,3-Dichlorobenzene                   | ND         |           | 2.0 | 1.6  | ug/L |   |          | 06/05/19 04:32 | 2       |
| 1,4-Dichlorobenzene                   | ND         |           | 2.0 | 1.7  | ug/L |   |          | 06/05/19 04:32 | 2       |
| 2-Butanone (MEK)                      | ND         |           | 20  | 2.6  | ug/L |   |          | 06/05/19 04:32 | 2       |
| 2-Hexanone                            | ND         |           | 10  | 2.5  | ug/L |   |          | 06/05/19 04:32 | 2       |
| 4-Methyl-2-pentanone (MIBK)           | ND         |           | 10  | 4.2  | ug/L |   |          | 06/05/19 04:32 | 2       |
| Acetone                               | ND         |           | 20  | 6.0  | ug/L |   |          | 06/05/19 04:32 | 2       |
| Benzene                               | ND         |           | 2.0 | 0.82 | ug/L |   |          | 06/05/19 04:32 | 2       |
| Bromodichloromethane                  | ND         |           | 2.0 | 0.78 | ug/L |   |          | 06/05/19 04:32 | 2       |
| Bromoform                             | ND         |           | 2.0 | 0.52 | ug/L |   |          | 06/05/19 04:32 | 2       |
| Bromomethane                          | ND         |           | 2.0 | 1.4  | ug/L |   |          | 06/05/19 04:32 | 2       |
| Carbon disulfide                      | ND         |           | 2.0 | 0.38 | ug/L |   |          | 06/05/19 04:32 | 2       |
| Carbon tetrachloride                  | ND         |           | 2.0 | 0.54 | ug/L |   |          | 06/05/19 04:32 | 2       |
| Chlorobenzene                         | ND         |           | 2.0 | 1.5  | ug/L |   |          | 06/05/19 04:32 | 2       |
| Chloroethane                          | ND         |           | 2.0 | 0.64 | ug/L |   |          | 06/05/19 04:32 | 2       |
| Chloroform                            | ND         |           | 2.0 | 0.68 | ug/L |   |          | 06/05/19 04:32 | 2       |
| Chloromethane                         | ND         |           | 2.0 | 0.70 | ug/L |   |          | 06/05/19 04:32 | 2       |
| <b>cis-1,2-Dichloroethene</b>         | <b>94</b>  |           | 2.0 | 1.6  | ug/L |   |          | 06/05/19 04:32 | 2       |
| cis-1,3-Dichloropropene               | ND         |           | 2.0 | 0.72 | ug/L |   |          | 06/05/19 04:32 | 2       |
| Cyclohexane                           | ND         |           | 2.0 | 0.36 | ug/L |   |          | 06/05/19 04:32 | 2       |
| Dibromochloromethane                  | ND         |           | 2.0 | 0.64 | ug/L |   |          | 06/05/19 04:32 | 2       |
| Dichlorodifluoromethane               | ND         |           | 2.0 | 1.4  | ug/L |   |          | 06/05/19 04:32 | 2       |
| Ethylbenzene                          | ND         |           | 2.0 | 1.5  | ug/L |   |          | 06/05/19 04:32 | 2       |
| Isopropylbenzene                      | ND         |           | 2.0 | 1.6  | ug/L |   |          | 06/05/19 04:32 | 2       |
| Methyl acetate                        | ND         |           | 5.0 | 2.6  | ug/L |   |          | 06/05/19 04:32 | 2       |
| Methyl tert-butyl ether               | ND         |           | 2.0 | 0.32 | ug/L |   |          | 06/05/19 04:32 | 2       |
| Methylcyclohexane                     | ND         |           | 2.0 | 0.32 | ug/L |   |          | 06/05/19 04:32 | 2       |
| Methylene Chloride                    | ND         |           | 2.0 | 0.88 | ug/L |   |          | 06/05/19 04:32 | 2       |
| Styrene                               | ND         |           | 2.0 | 1.5  | ug/L |   |          | 06/05/19 04:32 | 2       |
| Tetrachloroethene                     | ND         |           | 2.0 | 0.72 | ug/L |   |          | 06/05/19 04:32 | 2       |
| Toluene                               | ND         |           | 2.0 | 1.0  | ug/L |   |          | 06/05/19 04:32 | 2       |
| trans-1,2-Dichloroethene              | ND         |           | 2.0 | 1.8  | ug/L |   |          | 06/05/19 04:32 | 2       |
| trans-1,3-Dichloropropene             | ND         |           | 2.0 | 0.74 | ug/L |   |          | 06/05/19 04:32 | 2       |
| <b>Trichloroethene</b>                | <b>20</b>  |           | 2.0 | 0.92 | ug/L |   |          | 06/05/19 04:32 | 2       |
| Trichlorofluoromethane                | ND         |           | 2.0 | 1.8  | ug/L |   |          | 06/05/19 04:32 | 2       |
| <b>Vinyl chloride</b>                 | <b>11</b>  |           | 2.0 | 1.8  | ug/L |   |          | 06/05/19 04:32 | 2       |
| Xylenes, Total                        | ND         |           | 4.0 | 1.3  | ug/L |   |          | 06/05/19 04:32 | 2       |
| t-Butyl alcohol                       | ND         | *         | 20  | 6.6  | ug/L |   |          | 06/05/19 04:32 | 2       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

**Client Sample ID: MW-5-94**

**Lab Sample ID: 480-154380-1**

**Date Collected: 06/03/19 10:00**

**Matrix: Water**

**Date Received: 06/03/19 16:35**

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 77 - 120 |          | 06/05/19 04:32 | 2       |
| 4-Bromofluorobenzene (Surr)  | 84        |           | 73 - 120 |          | 06/05/19 04:32 | 2       |
| Dibromofluoromethane (Surr)  | 103       |           | 75 - 123 |          | 06/05/19 04:32 | 2       |
| Toluene-d8 (Surr)            | 91        |           | 80 - 120 |          | 06/05/19 04:32 | 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      | 5.5       |           | 1.9      | 0.96 | ug/L |   | 06/06/19 09:27 | 06/10/19 18:39 | 10      |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 26        |           | 15 - 110 |      |      |   | 06/06/19 09:27 | 06/10/19 18:39 | 10      |

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

| Analyte                       | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 25 | 2.4 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 25 | 3.1 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 25 | 2.6 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 25 | 2.5 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 50 | 11  | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 25 | 2.2 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 25 | 2.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 2-Chloronaphthalene           | ND     |           | 25 | 2.3 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 2-Chlorophenol                | ND     |           | 25 | 2.7 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 2-Methylnaphthalene           | ND     |           | 25 | 3.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 2-Methylphenol                | ND     |           | 25 | 2.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 2-Nitroaniline                | ND     |           | 50 | 2.1 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 2-Nitrophenol                 | ND     |           | 25 | 2.4 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 25 | 2.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 3-Nitroaniline                | ND     |           | 50 | 2.4 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 50 | 11  | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 25 | 2.3 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 25 | 2.3 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 4-Chloroaniline               | ND     |           | 25 | 3.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 25 | 1.8 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 4-Methylphenol                | ND     |           | 50 | 1.8 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 4-Nitroaniline                | ND     |           | 50 | 1.3 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 4-Nitrophenol                 | ND     |           | 50 | 7.6 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Acenaphthene                  | ND     |           | 25 | 2.1 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Acenaphthylene                | ND     |           | 25 | 1.9 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Acetophenone                  | ND     |           | 25 | 2.7 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Anthracene                    | ND     |           | 25 | 1.4 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Atrazine                      | ND     |           | 25 | 2.3 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Benzaldehyde                  | ND     |           | 25 | 1.3 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Benzo(a)anthracene            | ND     |           | 25 | 1.8 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Benzo(a)pyrene                | ND     |           | 25 | 2.4 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Benzo(b)fluoranthene          | ND     |           | 25 | 1.7 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Benzo(g,h,i)perylene          | ND     |           | 25 | 1.8 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 25 | 3.7 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Biphenyl                      | ND     |           | 25 | 3.3 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 25 | 2.6 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 25 | 1.8 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

Client Sample ID: MW-5-94

Lab Sample ID: 480-154380-1

Date Collected: 06/03/19 10:00

Matrix: Water

Date Received: 06/03/19 16:35

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

| Analyte                     | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| Bis(2-chloroethyl)ether     | ND     |           | 25 | 2.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Bis(2-ethylhexyl) phthalate | ND     |           | 25 | 11  | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Butyl benzyl phthalate      | ND     |           | 25 | 5.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Caprolactam                 | ND     |           | 25 | 11  | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Carbazole                   | ND     |           | 25 | 1.5 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Chrysene                    | ND     |           | 25 | 1.7 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Dibenz(a,h)anthracene       | ND     |           | 25 | 2.1 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Dibenzofuran                | ND     |           | 50 | 2.6 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Diethyl phthalate           | ND     |           | 25 | 1.1 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Dimethyl phthalate          | ND     |           | 25 | 1.8 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Di-n-butyl phthalate        | ND     |           | 25 | 1.6 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Di-n-octyl phthalate        | ND     |           | 25 | 2.4 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Fluoranthene                | ND     |           | 25 | 2.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Fluorene                    | ND     |           | 25 | 1.8 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Hexachlorobenzene           | ND     |           | 25 | 2.6 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Hexachlorobutadiene         | ND     |           | 25 | 3.4 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Hexachlorocyclopentadiene   | ND     |           | 25 | 3.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Hexachloroethane            | ND     |           | 25 | 3.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Indeno(1,2,3-cd)pyrene      | ND     |           | 25 | 2.4 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Isophorone                  | ND     |           | 25 | 2.2 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Naphthalene                 | ND     |           | 25 | 3.8 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Nitrobenzene                | ND     |           | 25 | 1.5 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| N-Nitrosodi-n-propylamine   | ND     |           | 25 | 2.7 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| N-Nitrosodiphenylamine      | ND     |           | 25 | 2.6 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Pentachlorophenol           | ND     |           | 50 | 11  | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Phenanthrene                | ND     |           | 25 | 2.2 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Phenol                      | ND     |           | 25 | 2.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Pyrene                      | ND     |           | 25 | 1.7 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:08 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 72        |           | 41 - 120 | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 2-Fluorobiphenyl     | 99        |           | 48 - 120 | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| 2-Fluorophenol       | 59        |           | 35 - 120 | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Nitrobenzene-d5      | 75        |           | 46 - 120 | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| Phenol-d5            | 42        |           | 22 - 120 | 06/04/19 16:07 | 06/10/19 20:08 | 5       |
| p-Terphenyl-d14      | 91        |           | 59 - 136 | 06/04/19 16:07 | 06/10/19 20:08 | 5       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.19 | 0.19 | mg/L |   | 06/06/19 08:49 | 06/06/19 13:26 | 1       |
| Kerosene             | ND     |           | 0.49 | 0.49 | mg/L |   | 06/06/19 08:49 | 06/06/19 13:26 | 1       |
| Motor Oil            | 22     |           | 0.97 | 0.97 | mg/L |   | 06/06/19 08:49 | 06/06/19 13:26 | 1       |
| Fuel Oil #2          | ND     |           | 0.49 | 0.49 | mg/L |   | 06/06/19 08:49 | 06/06/19 13:26 | 1       |
| Fuel Oil #4          | ND     |           | 0.49 | 0.49 | mg/L |   | 06/06/19 08:49 | 06/06/19 13:26 | 1       |
| Fuel Oil #6          | ND     |           | 0.49 | 0.49 | mg/L |   | 06/06/19 08:49 | 06/06/19 13:26 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.19 | 0.19 | mg/L |   | 06/06/19 08:49 | 06/06/19 13:26 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte  | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 4,4'-DDD | ND     |           | 0.057 | 0.010 | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

Client Sample ID: MW-5-94

Lab Sample ID: 480-154380-1

Date Collected: 06/03/19 10:00

Matrix: Water

Date Received: 06/03/19 16:35

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

| Analyte             | Result | Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 0.057 | 0.013  | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| 4,4'-DDT            | ND     |           | 0.057 | 0.013  | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| Aldrin              | ND     |           | 0.057 | 0.0092 | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| alpha-BHC           | 0.021  | J         | 0.057 | 0.0088 | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| cis-Chlordane       | ND     |           | 0.057 | 0.017  | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| beta-BHC            | ND     |           | 0.057 | 0.028  | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| delta-BHC           | ND     |           | 0.057 | 0.011  | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| Dieldrin            | ND     |           | 0.057 | 0.011  | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| Endosulfan I        | ND     |           | 0.057 | 0.013  | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| Endosulfan II       | 0.015  | J         | 0.057 | 0.014  | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| Endosulfan sulfate  | ND     |           | 0.057 | 0.018  | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| Endrin              | ND     |           | 0.057 | 0.016  | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| Endrin aldehyde     | 0.027  | J         | 0.057 | 0.019  | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| Endrin ketone       | ND     |           | 0.057 | 0.014  | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| gamma-BHC (Lindane) | ND     |           | 0.057 | 0.0091 | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| trans-Chlordane     | ND     |           | 0.057 | 0.013  | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| Heptachlor          | ND     |           | 0.057 | 0.0097 | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| Heptachlor epoxide  | ND     |           | 0.057 | 0.0084 | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| Methoxychlor        | ND     |           | 0.057 | 0.016  | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| Toxaphene           | ND     |           | 0.57  | 0.14   | ug/L |   | 06/06/19 08:34 | 06/07/19 11:29 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 31        |           | 20 - 120 | 06/06/19 08:34 | 06/07/19 11:29 | 1       |
| Tetrachloro-m-xylene   | 81        |           | 44 - 120 | 06/06/19 08:34 | 06/07/19 11:29 | 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 |   | 06/07/19 07:50 | 06/10/19 18:13 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:13 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:13 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:13 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:13 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:13 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:13 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:13 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:13 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 71        |           | 39 - 121 | 06/07/19 07:50 | 06/10/19 18:13 | 1       |
| DCB Decachlorobiphenyl | 25        |           | 19 - 120 | 06/07/19 07:50 | 06/10/19 18:13 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Barium    | 0.048  |           | 0.0020 | 0.00070 | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Calcium   | 109    |           | 0.50   | 0.10    | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

Client Sample ID: MW-5-94

Lab Sample ID: 480-154380-1

Date Collected: 06/03/19 10:00

Matrix: Water

Date Received: 06/03/19 16:35

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Copper    | 0.0025 | J B       | 0.010  | 0.0016  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Iron      | 0.15   |           | 0.050  | 0.019   | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Magnesium | 22.9   |           | 0.20   | 0.043   | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Manganese | 0.076  |           | 0.0030 | 0.00040 | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Nickel    | 0.0028 | J         | 0.010  | 0.0013  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Potassium | 6.4    |           | 0.50   | 0.10    | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Sodium    | 44.2   |           | 1.0    | 0.32    | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:24 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 06/06/19 11:32 | 06/06/19 14:14 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

Client Sample ID: MW-7-03

Lab Sample ID: 480-154380-2

Date Collected: 06/03/19 14:20

Matrix: Water

Date Received: 06/03/19 16:35

## 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      | 15        | E         | 1.9      | 0.97 | ug/L | - | 06/06/19 09:27 | 06/10/19 19:03 | 10      |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 22        |           | 15 - 110 |      |      |   | 06/06/19 09:27 | 06/10/19 19:03 | 10      |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.20 | 0.20 | mg/L | - | 06/06/19 08:49 | 06/06/19 14:02 | 1       |
| Kerosene             | ND     |           | 0.49 | 0.49 | mg/L | - | 06/06/19 08:49 | 06/06/19 14:02 | 1       |
| Motor Oil            | 2.1    |           | 0.98 | 0.98 | mg/L | - | 06/06/19 08:49 | 06/06/19 14:02 | 1       |
| Fuel Oil #2          | ND     |           | 0.49 | 0.49 | mg/L | - | 06/06/19 08:49 | 06/06/19 14:02 | 1       |
| Fuel Oil #4          | ND     |           | 0.49 | 0.49 | mg/L | - | 06/06/19 08:49 | 06/06/19 14:02 | 1       |
| Fuel Oil #6          | ND     |           | 0.49 | 0.49 | mg/L | - | 06/06/19 08:49 | 06/06/19 14:02 | 1       |
| Unknown Hydrocarbons | 1.8    |           | 0.20 | 0.20 | mg/L | - | 06/06/19 08:49 | 06/06/19 14:02 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result    | Qualifier | RL       | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|-------|------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND        |           | 0.28     | 0.052 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| 4,4'-DDE               | ND        |           | 0.28     | 0.066 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| 4,4'-DDT               | ND        |           | 0.28     | 0.063 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| Aldrin                 | ND        |           | 0.28     | 0.046 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| alpha-BHC              | ND        |           | 0.28     | 0.044 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| cis-Chlordane          | ND        |           | 0.28     | 0.084 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| beta-BHC               | ND        |           | 0.28     | 0.14  | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| delta-BHC              | ND        |           | 0.28     | 0.057 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| Dieldrin               | ND        |           | 0.28     | 0.056 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| Endosulfan I           | ND        |           | 0.28     | 0.063 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| Endosulfan II          | ND        |           | 0.28     | 0.068 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| Endosulfan sulfate     | 0.20      | J         | 0.28     | 0.089 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| Endrin                 | ND        |           | 0.28     | 0.078 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| Endrin aldehyde        | ND        |           | 0.28     | 0.093 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| Endrin ketone          | ND        |           | 0.28     | 0.068 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| gamma-BHC (Lindane)    | ND        |           | 0.28     | 0.045 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| trans-Chlordane        | ND        |           | 0.28     | 0.063 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| Heptachlor             | ND        |           | 0.28     | 0.048 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| Heptachlor epoxide     | ND        |           | 0.28     | 0.042 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| Methoxychlor           | ND        |           | 0.28     | 0.080 | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| Toxaphene              | ND        |           | 2.8      | 0.68  | ug/L | - | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| Surrogate              | %Recovery | Qualifier | Limits   |       |      |   | Prepared       | Analyzed       | Dil Fac |
| DCB Decachlorobiphenyl | 32        |           | 20 - 120 |       |      |   | 06/06/19 08:34 | 06/07/19 11:48 | 5       |
| Tetrachloro-m-xylene   | 76        |           | 44 - 120 |       |      |   | 06/06/19 08:34 | 06/07/19 11:48 | 5       |

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

| Analyte  | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| PCB-1016 | ND     |           | 0.52 | 0.18 | ug/L | - | 06/07/19 07:50 | 06/10/19 18:25 | 1       |
| PCB-1221 | ND     |           | 0.52 | 0.18 | ug/L | - | 06/07/19 07:50 | 06/10/19 18:25 | 1       |
| PCB-1232 | ND     |           | 0.52 | 0.18 | ug/L | - | 06/07/19 07:50 | 06/10/19 18:25 | 1       |
| PCB-1242 | ND     |           | 0.52 | 0.18 | ug/L | - | 06/07/19 07:50 | 06/10/19 18:25 | 1       |
| PCB-1248 | ND     |           | 0.52 | 0.18 | ug/L | - | 06/07/19 07:50 | 06/10/19 18:25 | 1       |
| PCB-1254 | ND     |           | 0.52 | 0.26 | ug/L | - | 06/07/19 07:50 | 06/10/19 18:25 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

**Client Sample ID: MW-7-03**

**Lab Sample ID: 480-154380-2**

**Date Collected: 06/03/19 14:20**

**Matrix: Water**

**Date Received: 06/03/19 16:35**

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

| Analyte                | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| PCB-1260               | ND        |           | 0.52     | 0.26 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:25 | 1       |
| PCB-1262               | ND        |           | 0.52     | 0.26 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:25 | 1       |
| PCB-1268               | ND        |           | 0.52     | 0.26 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:25 | 1       |
| Surrogate              | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Tetrachloro-m-xylene   | 70        |           | 39 - 121 |      |      |   | 06/07/19 07:50 | 06/10/19 18:25 | 1       |
| DCB Decachlorobiphenyl | 29        |           | 19 - 120 |      |      |   | 06/07/19 07:50 | 06/10/19 18:25 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

Client Sample ID: MW-10-03

Lab Sample ID: 480-154380-3

Date Collected: 06/03/19 15:15

Matrix: Water

Date Received: 06/03/19 16:35

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

| Analyte                               | Result     | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|------------|-----------|-----|------|------|---|----------|----------------|---------|
| <b>1,1,1-Trichloroethane</b>          | <b>3.8</b> | <b>J</b>  | 4.0 | 3.3  | ug/L |   |          | 06/05/19 04:55 | 4       |
| 1,1,2,2-Tetrachloroethane             | ND         |           | 4.0 | 0.84 | ug/L |   |          | 06/05/19 04:55 | 4       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND         |           | 4.0 | 1.2  | ug/L |   |          | 06/05/19 04:55 | 4       |
| 1,1,2-Trichloroethane                 | ND         |           | 4.0 | 0.92 | ug/L |   |          | 06/05/19 04:55 | 4       |
| <b>1,1-Dichloroethane</b>             | <b>59</b>  |           | 4.0 | 1.5  | ug/L |   |          | 06/05/19 04:55 | 4       |
| 1,1-Dichloroethene                    | ND         |           | 4.0 | 1.2  | ug/L |   |          | 06/05/19 04:55 | 4       |
| 1,2,4-Trichlorobenzene                | ND         |           | 4.0 | 1.6  | ug/L |   |          | 06/05/19 04:55 | 4       |
| 1,2-Dibromo-3-Chloropropane           | ND         |           | 4.0 | 1.6  | ug/L |   |          | 06/05/19 04:55 | 4       |
| 1,2-Dibromoethane                     | ND         |           | 4.0 | 2.9  | ug/L |   |          | 06/05/19 04:55 | 4       |
| 1,2-Dichlorobenzene                   | ND         |           | 4.0 | 3.2  | ug/L |   |          | 06/05/19 04:55 | 4       |
| 1,2-Dichloroethane                    | ND         |           | 4.0 | 0.84 | ug/L |   |          | 06/05/19 04:55 | 4       |
| 1,2-Dichloropropane                   | ND         |           | 4.0 | 2.9  | ug/L |   |          | 06/05/19 04:55 | 4       |
| 1,3-Dichlorobenzene                   | ND         |           | 4.0 | 3.1  | ug/L |   |          | 06/05/19 04:55 | 4       |
| 1,4-Dichlorobenzene                   | ND         |           | 4.0 | 3.4  | ug/L |   |          | 06/05/19 04:55 | 4       |
| 2-Butanone (MEK)                      | ND         |           | 40  | 5.3  | ug/L |   |          | 06/05/19 04:55 | 4       |
| 2-Hexanone                            | ND         |           | 20  | 5.0  | ug/L |   |          | 06/05/19 04:55 | 4       |
| 4-Methyl-2-pentanone (MIBK)           | ND         |           | 20  | 8.4  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Acetone                               | ND         |           | 40  | 12   | ug/L |   |          | 06/05/19 04:55 | 4       |
| <b>Benzene</b>                        | <b>2.2</b> | <b>J</b>  | 4.0 | 1.6  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Bromodichloromethane                  | ND         |           | 4.0 | 1.6  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Bromoform                             | ND         |           | 4.0 | 1.0  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Bromomethane                          | ND         |           | 4.0 | 2.8  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Carbon disulfide                      | ND         |           | 4.0 | 0.76 | ug/L |   |          | 06/05/19 04:55 | 4       |
| Carbon tetrachloride                  | ND         |           | 4.0 | 1.1  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Chlorobenzene                         | ND         |           | 4.0 | 3.0  | ug/L |   |          | 06/05/19 04:55 | 4       |
| <b>Chloroethane</b>                   | <b>150</b> |           | 4.0 | 1.3  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Chloroform                            | ND         |           | 4.0 | 1.4  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Chloromethane                         | ND         |           | 4.0 | 1.4  | ug/L |   |          | 06/05/19 04:55 | 4       |
| <b>cis-1,2-Dichloroethene</b>         | <b>13</b>  |           | 4.0 | 3.2  | ug/L |   |          | 06/05/19 04:55 | 4       |
| cis-1,3-Dichloropropene               | ND         |           | 4.0 | 1.4  | ug/L |   |          | 06/05/19 04:55 | 4       |
| <b>Cyclohexane</b>                    | <b>3.3</b> | <b>J</b>  | 4.0 | 0.72 | ug/L |   |          | 06/05/19 04:55 | 4       |
| Dibromochloromethane                  | ND         |           | 4.0 | 1.3  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Dichlorodifluoromethane               | ND         |           | 4.0 | 2.7  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Ethylbenzene                          | ND         |           | 4.0 | 3.0  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Isopropylbenzene                      | ND         |           | 4.0 | 3.2  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Methyl acetate                        | ND         |           | 10  | 5.2  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Methyl tert-butyl ether               | ND         |           | 4.0 | 0.64 | ug/L |   |          | 06/05/19 04:55 | 4       |
| <b>Methylcyclohexane</b>              | <b>1.7</b> | <b>J</b>  | 4.0 | 0.64 | ug/L |   |          | 06/05/19 04:55 | 4       |
| Methylene Chloride                    | ND         |           | 4.0 | 1.8  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Styrene                               | ND         |           | 4.0 | 2.9  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Tetrachloroethene                     | ND         |           | 4.0 | 1.4  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Toluene                               | ND         |           | 4.0 | 2.0  | ug/L |   |          | 06/05/19 04:55 | 4       |
| trans-1,2-Dichloroethene              | ND         |           | 4.0 | 3.6  | ug/L |   |          | 06/05/19 04:55 | 4       |
| trans-1,3-Dichloropropene             | ND         |           | 4.0 | 1.5  | ug/L |   |          | 06/05/19 04:55 | 4       |
| <b>Trichloroethene</b>                | <b>9.7</b> |           | 4.0 | 1.8  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Trichlorofluoromethane                | ND         |           | 4.0 | 3.5  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Vinyl chloride                        | ND         |           | 4.0 | 3.6  | ug/L |   |          | 06/05/19 04:55 | 4       |
| Xylenes, Total                        | ND         |           | 8.0 | 2.6  | ug/L |   |          | 06/05/19 04:55 | 4       |
| t-Butyl alcohol                       | ND         | *         | 40  | 13   | ug/L |   |          | 06/05/19 04:55 | 4       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

Client Sample ID: MW-10-03

Lab Sample ID: 480-154380-3

Date Collected: 06/03/19 15:15

Matrix: Water

Date Received: 06/03/19 16:35

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 77 - 120 |          | 06/05/19 04:55 | 4       |
| 4-Bromofluorobenzene (Surr)  | 84        |           | 73 - 120 |          | 06/05/19 04:55 | 4       |
| Dibromofluoromethane (Surr)  | 101       |           | 75 - 123 |          | 06/05/19 04:55 | 4       |
| Toluene-d8 (Surr)            | 91        |           | 80 - 120 |          | 06/05/19 04:55 | 4       |

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

| Analyte                       | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 25 | 2.4 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 25 | 3.1 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 25 | 2.6 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 25 | 2.5 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 50 | 11  | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 25 | 2.2 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 25 | 2.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 2-Chloronaphthalene           | ND     |           | 25 | 2.3 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 2-Chlorophenol                | ND     |           | 25 | 2.7 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 2-Methylnaphthalene           | 4.8    | J         | 25 | 3.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 2-Methylphenol                | ND     |           | 25 | 2.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 2-Nitroaniline                | ND     |           | 50 | 2.1 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 2-Nitrophenol                 | ND     |           | 25 | 2.4 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 25 | 2.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 3-Nitroaniline                | ND     |           | 50 | 2.4 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 50 | 11  | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 25 | 2.3 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 25 | 2.3 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 4-Chloroaniline               | ND     |           | 25 | 3.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 25 | 1.8 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 4-Methylphenol                | ND     |           | 50 | 1.8 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 4-Nitroaniline                | ND     |           | 50 | 1.3 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 4-Nitrophenol                 | ND     |           | 50 | 7.6 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Acenaphthene                  | ND     |           | 25 | 2.1 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Acenaphthylene                | ND     |           | 25 | 1.9 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Acetophenone                  | ND     |           | 25 | 2.7 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Anthracene                    | ND     |           | 25 | 1.4 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Atrazine                      | ND     |           | 25 | 2.3 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Benzaldehyde                  | ND     |           | 25 | 1.3 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Benzo(a)anthracene            | ND     |           | 25 | 1.8 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Benzo(a)pyrene                | 2.6    | J         | 25 | 2.4 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Benzo(b)fluoranthene          | 3.0    | J         | 25 | 1.7 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Benzo(g,h,i)perylene          | 2.7    | J         | 25 | 1.8 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 25 | 3.7 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Biphenyl                      | ND     |           | 25 | 3.3 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 25 | 2.6 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 25 | 1.8 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Bis(2-chloroethyl)ether       | ND     |           | 25 | 2.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 25 | 11  | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Butyl benzyl phthalate        | ND     |           | 25 | 5.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Caprolactam                   | ND     |           | 25 | 11  | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Carbazole                     | ND     |           | 25 | 1.5 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Chrysene                      | ND     |           | 25 | 1.7 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

Client Sample ID: MW-10-03

Lab Sample ID: 480-154380-3

Date Collected: 06/03/19 15:15

Matrix: Water

Date Received: 06/03/19 16:35

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

| Analyte                   | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| Dibenz(a,h)anthracene     | ND     |           | 25 | 2.1 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Dibenzofuran              | ND     |           | 50 | 2.6 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Diethyl phthalate         | ND     |           | 25 | 1.1 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Dimethyl phthalate        | ND     |           | 25 | 1.8 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Di-n-butyl phthalate      | ND     |           | 25 | 1.6 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Di-n-octyl phthalate      | ND     |           | 25 | 2.4 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Fluoranthene              | 3.0    | J         | 25 | 2.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Fluorene                  | ND     |           | 25 | 1.8 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Hexachlorobenzene         | ND     |           | 25 | 2.6 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Hexachlorobutadiene       | ND     |           | 25 | 3.4 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Hexachlorocyclopentadiene | ND     |           | 25 | 3.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Hexachloroethane          | ND     |           | 25 | 3.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Indeno(1,2,3-cd)pyrene    | 2.4    | J         | 25 | 2.4 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Isophorone                | ND     |           | 25 | 2.2 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Naphthalene               | ND     |           | 25 | 3.8 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Nitrobenzene              | ND     |           | 25 | 1.5 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| N-Nitrosodi-n-propylamine | ND     |           | 25 | 2.7 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| N-Nitrosodiphenylamine    | ND     |           | 25 | 2.6 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Pentachlorophenol         | ND     |           | 50 | 11  | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Phenanthrene              | 3.6    | J B       | 25 | 2.2 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Phenol                    | ND     |           | 25 | 2.0 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Pyrene                    | 2.9    | J         | 25 | 1.7 | ug/L |   | 06/04/19 16:07 | 06/10/19 20:37 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 70        |           | 41 - 120 | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 2-Fluorobiphenyl     | 91        |           | 48 - 120 | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| 2-Fluorophenol       | 65        |           | 35 - 120 | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Nitrobenzene-d5      | 75        |           | 46 - 120 | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| Phenol-d5            | 48        |           | 22 - 120 | 06/04/19 16:07 | 06/10/19 20:37 | 5       |
| p-Terphenyl-d14      | 88        |           | 59 - 136 | 06/04/19 16:07 | 06/10/19 20:37 | 5       |

## 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 |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| 4,4'-DDT            | ND     |           | 0.050 | 0.011  | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| alpha-BHC           | 0.012  | J         | 0.050 | 0.0077 | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| delta-BHC           | 0.010  | J         | 0.050 | 0.010  | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| Endrin aldehyde     | ND     |           | 0.050 | 0.016  | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| gamma-BHC (Lindane) | ND     |           | 0.050 | 0.0080 | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| trans-Chlordane     | 0.015  | J         | 0.050 | 0.011  | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

Client Sample ID: MW-10-03

Lab Sample ID: 480-154380-3

Date Collected: 06/03/19 15:15

Matrix: Water

Date Received: 06/03/19 16:35

## 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 |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| Heptachlor epoxide     | ND        |           | 0.050    | 0.0074 | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| Methoxychlor           | ND        |           | 0.050    | 0.014  | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| Toxaphene              | ND        |           | 0.50     | 0.12   | ug/L |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| Surrogate              | %Recovery | Qualifier | Limits   |        |      |   | Prepared       | Analyzed       | Dil Fac |
| DCB Decachlorobiphenyl | 36        |           | 20 - 120 |        |      |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |
| Tetrachloro-m-xylene   | 66        |           | 44 - 120 |        |      |   | 06/06/19 08:34 | 06/07/19 12:08 | 1       |

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

| Analyte                | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|------|------|---|----------------|----------------|---------|
| PCB-1016               | ND        |           | 0.52     | 0.18 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:37 | 1       |
| PCB-1221               | ND        |           | 0.52     | 0.18 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:37 | 1       |
| PCB-1232               | ND        |           | 0.52     | 0.18 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:37 | 1       |
| PCB-1242               | ND        |           | 0.52     | 0.18 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:37 | 1       |
| PCB-1248               | ND        |           | 0.52     | 0.18 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:37 | 1       |
| PCB-1254               | ND        |           | 0.52     | 0.26 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:37 | 1       |
| PCB-1260               | ND        |           | 0.52     | 0.26 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:37 | 1       |
| PCB-1262               | ND        |           | 0.52     | 0.26 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:37 | 1       |
| PCB-1268               | ND        |           | 0.52     | 0.26 | ug/L |   | 06/07/19 07:50 | 06/10/19 18:37 | 1       |
| Surrogate              | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Tetrachloro-m-xylene   | 70        |           | 39 - 121 |      |      |   | 06/07/19 07:50 | 06/10/19 18:37 | 1       |
| DCB Decachlorobiphenyl | 31        |           | 19 - 120 |      |      |   | 06/07/19 07:50 | 06/10/19 18:37 | 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 |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Barium    | 0.084  |           | 0.0020 | 0.00070 | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Calcium   | 154    |           | 0.50   | 0.10    | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Chromium  | 0.0023 | J         | 0.0040 | 0.0010  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Copper    | 0.0019 | J B       | 0.010  | 0.0016  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Iron      | 0.14   |           | 0.050  | 0.019   | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Magnesium | 27.8   |           | 0.20   | 0.043   | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Manganese | 1.4    |           | 0.0030 | 0.00040 | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Nickel    | 0.0043 | J         | 0.010  | 0.0013  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Potassium | 10.3   |           | 0.50   | 0.10    | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Sodium    | 44.8   |           | 1.0    | 0.32    | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 06/05/19 14:04 | 06/12/19 18:28 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibrattech #915165

Job ID: 480-154380-1

**Client Sample ID: MW-10-03**

**Lab Sample ID: 480-154380-3**

**Date Collected: 06/03/19 15:15**

**Matrix: Water**

**Date Received: 06/03/19 16:35**

**Method: 7470A - Mercury (CVAA)**

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 06/06/19 11:32 | 06/06/19 14:15 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

**Client Sample ID: MW-3-02-0.2**

**Lab Sample ID: 480-154380-4**

**Date Collected: 06/03/19 09:14**

**Matrix: Waste**

**Date Received: 06/03/19 16:35**

## General Chemistry

| Analyte             | Result | Qualifier | RL    | RL    | Unit               | D | Prepared | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|-------|--------------------|---|----------|----------------|---------|
| Kinematic Viscosity | 118    |           | 0.200 | 0.200 | mm <sup>2</sup> /s |   |          | 06/20/19 00:00 | 1       |

# Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID    | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                 |
|------------------|--------------------|------------------------------------------------|-----------------|------------------|-----------------|
|                  |                    | DCA<br>(77-120)                                | BFB<br>(73-120) | DBFM<br>(75-123) | TOL<br>(80-120) |
| 480-154380-1     | MW-5-94            | 108                                            | 84              | 103              | 91              |
| 480-154380-3     | MW-10-03           | 103                                            | 84              | 101              | 91              |
| LCS 480-476183/5 | Lab Control Sample | 100                                            | 91              | 102              | 95              |
| MB 480-476183/7  | Method Blank       | 100                                            | 87              | 98               | 90              |

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane (Surr)  
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                 |                 |                    |
|--------------------|--------------------|------------------------------------------------|-----------------|-----------------|-----------------|-----------------|--------------------|
|                    |                    | TBP<br>(41-120)                                | FBP<br>(48-120) | 2FP<br>(35-120) | NBZ<br>(46-120) | PHL<br>(22-120) | TPHd14<br>(59-136) |
| 480-154380-1       | MW-5-94            | 72                                             | 99              | 59              | 75              | 42              | 91                 |
| 480-154380-3       | MW-10-03           | 70                                             | 91              | 65              | 75              | 48              | 88                 |
| LCS 480-476146/2-A | Lab Control Sample | 82                                             | 89              | 66              | 85              | 52              | 100                |
| MB 480-476146/1-A  | Method Blank       | 48                                             | 82              | 57              | 73              | 45              | 96                 |

### Surrogate Legend

TBP = 2,4,6-Tribromophenol  
FBP = 2-Fluorobiphenyl  
2FP = 2-Fluorophenol  
NBZ = Nitrobenzene-d5  
PHL = Phenol-d5  
TPHd14 = p-Terphenyl-d14

## Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                  |
|--------------------|--------------------|------------------------------------------------|------------------|
|                    |                    | DCBP1<br>(20-120)                              | TCX1<br>(44-120) |
| 480-154380-1       | MW-5-94            | 31                                             | 81               |
| 480-154380-2       | MW-7-03            | 32                                             | 76               |
| 480-154380-3       | MW-10-03           | 36                                             | 66               |
| LCS 480-476457/2-A | Lab Control Sample | 34                                             | 76               |
| MB 480-476457/1-A  | Method Blank       | 40                                             | 69               |

### Surrogate Legend

DCBP1 = DCB Decachlorobiphenyl  
TCX1 = Tetrachloro-m-xylene

# Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

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

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID   | TCX1<br>(39-121) | DCBP1<br>(19-120) |
|--------------------|--------------------|------------------|-------------------|
| 480-154380-1       | MW-5-94            | 71               | 25                |
| 480-154380-2       | MW-7-03            | 70               | 29                |
| 480-154380-3       | MW-10-03           | 70               | 31                |
| LCS 480-476647/2-A | Lab Control Sample | 67               | 41                |
| MB 480-476647/1-A  | Method Blank       | 66               | 46                |

### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

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

Lab Sample ID: MB 480-476183/7

Matrix: Water

Analysis Batch: 476183

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 |   |          | 06/04/19 23:25 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 1.0 | 0.21 | ug/L |   |          | 06/04/19 23:25 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 1.0 | 0.31 | ug/L |   |          | 06/04/19 23:25 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 1.0 | 0.23 | ug/L |   |          | 06/04/19 23:25 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 1.0 | 0.38 | ug/L |   |          | 06/04/19 23:25 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 1.0 | 0.29 | ug/L |   |          | 06/04/19 23:25 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 1.0 | 0.41 | ug/L |   |          | 06/04/19 23:25 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0 | 0.39 | ug/L |   |          | 06/04/19 23:25 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 1.0 | 0.73 | ug/L |   |          | 06/04/19 23:25 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 1.0 | 0.79 | ug/L |   |          | 06/04/19 23:25 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 1.0 | 0.21 | ug/L |   |          | 06/04/19 23:25 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 1.0 | 0.72 | ug/L |   |          | 06/04/19 23:25 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 1.0 | 0.78 | ug/L |   |          | 06/04/19 23:25 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 1.0 | 0.84 | ug/L |   |          | 06/04/19 23:25 | 1       |
| 2-Butanone (MEK)                      | ND        |              | 10  | 1.3  | ug/L |   |          | 06/04/19 23:25 | 1       |
| 2-Hexanone                            | ND        |              | 5.0 | 1.2  | ug/L |   |          | 06/04/19 23:25 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND        |              | 5.0 | 2.1  | ug/L |   |          | 06/04/19 23:25 | 1       |
| Acetone                               | ND        |              | 10  | 3.0  | ug/L |   |          | 06/04/19 23:25 | 1       |
| Benzene                               | ND        |              | 1.0 | 0.41 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Bromodichloromethane                  | ND        |              | 1.0 | 0.39 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Bromoform                             | ND        |              | 1.0 | 0.26 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Bromomethane                          | ND        |              | 1.0 | 0.69 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Carbon disulfide                      | ND        |              | 1.0 | 0.19 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Carbon tetrachloride                  | ND        |              | 1.0 | 0.27 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Chlorobenzene                         | ND        |              | 1.0 | 0.75 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Chloroethane                          | ND        |              | 1.0 | 0.32 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Chloroform                            | ND        |              | 1.0 | 0.34 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Chloromethane                         | ND        |              | 1.0 | 0.35 | ug/L |   |          | 06/04/19 23:25 | 1       |
| cis-1,2-Dichloroethene                | ND        |              | 1.0 | 0.81 | ug/L |   |          | 06/04/19 23:25 | 1       |
| cis-1,3-Dichloropropene               | ND        |              | 1.0 | 0.36 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Cyclohexane                           | ND        |              | 1.0 | 0.18 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Dibromochloromethane                  | ND        |              | 1.0 | 0.32 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Dichlorodifluoromethane               | ND        |              | 1.0 | 0.68 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Ethylbenzene                          | ND        |              | 1.0 | 0.74 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Isopropylbenzene                      | ND        |              | 1.0 | 0.79 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Methyl acetate                        | ND        |              | 2.5 | 1.3  | ug/L |   |          | 06/04/19 23:25 | 1       |
| Methyl tert-butyl ether               | ND        |              | 1.0 | 0.16 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Methylcyclohexane                     | ND        |              | 1.0 | 0.16 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Methylene Chloride                    | ND        |              | 1.0 | 0.44 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Styrene                               | ND        |              | 1.0 | 0.73 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Tetrachloroethene                     | ND        |              | 1.0 | 0.36 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Toluene                               | ND        |              | 1.0 | 0.51 | ug/L |   |          | 06/04/19 23:25 | 1       |
| trans-1,2-Dichloroethene              | ND        |              | 1.0 | 0.90 | ug/L |   |          | 06/04/19 23:25 | 1       |
| trans-1,3-Dichloropropene             | ND        |              | 1.0 | 0.37 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Trichloroethene                       | ND        |              | 1.0 | 0.46 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Trichlorofluoromethane                | ND        |              | 1.0 | 0.88 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Vinyl chloride                        | ND        |              | 1.0 | 0.90 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Xylenes, Total                        | ND        |              | 2.0 | 0.66 | ug/L |   |          | 06/04/19 23:25 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

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

Lab Sample ID: MB 480-476183/7

Matrix: Water

Analysis Batch: 476183

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                      | MB Result    | MB Qualifier | RL       | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|-----|------|---|----------|----------------|---------|
| t-Butyl alcohol              | ND           |              | 10       | 3.3 | ug/L |   |          | 06/04/19 23:25 | 1       |
| Surrogate                    | MB %Recovery | MB Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 100          |              | 77 - 120 |     |      |   |          | 06/04/19 23:25 | 1       |
| 4-Bromofluorobenzene (Surr)  | 87           |              | 73 - 120 |     |      |   |          | 06/04/19 23:25 | 1       |
| Dibromofluoromethane (Surr)  | 98           |              | 75 - 123 |     |      |   |          | 06/04/19 23:25 | 1       |
| Toluene-d8 (Surr)            | 90           |              | 80 - 120 |     |      |   |          | 06/04/19 23:25 | 1       |

Lab Sample ID: LCS 480-476183/5

Matrix: Water

Analysis Batch: 476183

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        | 31.4       |               | ug/L |   | 126  | 73 - 126     |
| 1,1,2,2-Tetrachloroethane             | 25.0        | 27.2       |               | ug/L |   | 109  | 76 - 120     |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0        | 29.2       |               | ug/L |   | 117  | 61 - 148     |
| 1,1,2-Trichloroethane                 | 25.0        | 26.0       |               | ug/L |   | 104  | 76 - 122     |
| 1,1-Dichloroethane                    | 25.0        | 29.7       |               | ug/L |   | 119  | 77 - 120     |
| 1,1-Dichloroethene                    | 25.0        | 29.1       |               | ug/L |   | 116  | 66 - 127     |
| 1,2,4-Trichlorobenzene                | 25.0        | 26.3       |               | ug/L |   | 105  | 79 - 122     |
| 1,2-Dibromo-3-Chloropropane           | 25.0        | 29.5       |               | ug/L |   | 118  | 56 - 134     |
| 1,2-Dibromoethane                     | 25.0        | 27.5       |               | ug/L |   | 110  | 77 - 120     |
| 1,2-Dichlorobenzene                   | 25.0        | 27.1       |               | ug/L |   | 109  | 80 - 124     |
| 1,2-Dichloroethane                    | 25.0        | 28.8       |               | ug/L |   | 115  | 75 - 120     |
| 1,2-Dichloropropane                   | 25.0        | 29.6       |               | ug/L |   | 118  | 76 - 120     |
| 1,3-Dichlorobenzene                   | 25.0        | 26.3       |               | ug/L |   | 105  | 77 - 120     |
| 1,4-Dichlorobenzene                   | 25.0        | 26.0       |               | ug/L |   | 104  | 80 - 120     |
| 2-Butanone (MEK)                      | 125         | 145        |               | ug/L |   | 116  | 57 - 140     |
| 2-Hexanone                            | 125         | 146        |               | ug/L |   | 117  | 65 - 127     |
| 4-Methyl-2-pentanone (MIBK)           | 125         | 130        |               | ug/L |   | 104  | 71 - 125     |
| Acetone                               | 125         | 131        |               | ug/L |   | 105  | 56 - 142     |
| Benzene                               | 25.0        | 28.9       |               | ug/L |   | 116  | 71 - 124     |
| Bromodichloromethane                  | 25.0        | 27.8       |               | ug/L |   | 111  | 80 - 122     |
| Bromoform                             | 25.0        | 25.9       |               | ug/L |   | 104  | 61 - 132     |
| Bromomethane                          | 25.0        | 23.6       |               | ug/L |   | 94   | 55 - 144     |
| Carbon disulfide                      | 25.0        | 29.9       |               | ug/L |   | 119  | 59 - 134     |
| Carbon tetrachloride                  | 25.0        | 28.0       |               | ug/L |   | 112  | 72 - 134     |
| Chlorobenzene                         | 25.0        | 26.6       |               | ug/L |   | 106  | 80 - 120     |
| Chloroethane                          | 25.0        | 26.2       |               | ug/L |   | 105  | 69 - 136     |
| Chloroform                            | 25.0        | 27.5       |               | ug/L |   | 110  | 73 - 127     |
| Chloromethane                         | 25.0        | 25.3       |               | ug/L |   | 101  | 68 - 124     |
| cis-1,2-Dichloroethene                | 25.0        | 27.8       |               | ug/L |   | 111  | 74 - 124     |
| cis-1,3-Dichloropropene               | 25.0        | 27.0       |               | ug/L |   | 108  | 74 - 124     |
| Cyclohexane                           | 25.0        | 31.0       |               | ug/L |   | 124  | 59 - 135     |
| Dibromochloromethane                  | 25.0        | 24.5       |               | ug/L |   | 98   | 75 - 125     |
| Dichlorodifluoromethane               | 25.0        | 30.9       |               | ug/L |   | 124  | 59 - 135     |
| Ethylbenzene                          | 25.0        | 28.5       |               | ug/L |   | 114  | 77 - 123     |
| Isopropylbenzene                      | 25.0        | 27.6       |               | ug/L |   | 110  | 77 - 122     |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

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

Lab Sample ID: LCS 480-476183/5

Matrix: Water

Analysis Batch: 476183

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Methyl acetate            | 50.0        | 58.0       |               | ug/L |   | 116  | 74 - 133     |
| Methyl tert-butyl ether   | 25.0        | 29.6       |               | ug/L |   | 119  | 77 - 120     |
| Methylcyclohexane         | 25.0        | 28.2       |               | ug/L |   | 113  | 68 - 134     |
| Methylene Chloride        | 25.0        | 27.6       |               | ug/L |   | 110  | 75 - 124     |
| Styrene                   | 25.0        | 26.1       |               | ug/L |   | 104  | 80 - 120     |
| Tetrachloroethene         | 25.0        | 23.9       |               | ug/L |   | 96   | 74 - 122     |
| Toluene                   | 25.0        | 26.3       |               | ug/L |   | 105  | 80 - 122     |
| trans-1,2-Dichloroethene  | 25.0        | 30.8       |               | ug/L |   | 123  | 73 - 127     |
| trans-1,3-Dichloropropene | 25.0        | 28.3       |               | ug/L |   | 113  | 80 - 120     |
| Trichloroethene           | 25.0        | 28.2       |               | ug/L |   | 113  | 74 - 123     |
| Trichlorofluoromethane    | 25.0        | 27.2       |               | ug/L |   | 109  | 62 - 150     |
| Vinyl chloride            | 25.0        | 26.0       |               | ug/L |   | 104  | 65 - 133     |
| t-Butyl alcohol           | 250         | 317        | *             | ug/L |   | 127  | 75 - 125     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 100           |               | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 91            |               | 73 - 120 |
| Dibromofluoromethane (Surr)  | 102           |               | 75 - 123 |
| Toluene-d8 (Surr)            | 95            |               | 80 - 120 |

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

Lab Sample ID: MB 480-476146/1-A

Matrix: Water

Analysis Batch: 477057

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 476146

| Analyte                     | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol       | ND        |              | 5.0 | 0.48 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 2,4,6-Trichlorophenol       | ND        |              | 5.0 | 0.61 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 2,4-Dichlorophenol          | ND        |              | 5.0 | 0.51 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 2,4-Dimethylphenol          | ND        |              | 5.0 | 0.50 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 2,4-Dinitrophenol           | ND        |              | 10  | 2.2  | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 2,4-Dinitrotoluene          | ND        |              | 5.0 | 0.45 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 2,6-Dinitrotoluene          | ND        |              | 5.0 | 0.40 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 2-Chloronaphthalene         | ND        |              | 5.0 | 0.46 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 2-Chlorophenol              | ND        |              | 5.0 | 0.53 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 2-Methylnaphthalene         | ND        |              | 5.0 | 0.60 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 2-Methylphenol              | ND        |              | 5.0 | 0.40 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 2-Nitroaniline              | ND        |              | 10  | 0.42 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 2-Nitrophenol               | ND        |              | 5.0 | 0.48 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 3,3'-Dichlorobenzidine      | ND        |              | 5.0 | 0.40 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 3-Nitroaniline              | ND        |              | 10  | 0.48 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 4,6-Dinitro-2-methylphenol  | ND        |              | 10  | 2.2  | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 4-Bromophenyl phenyl ether  | ND        |              | 5.0 | 0.45 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 4-Chloro-3-methylphenol     | ND        |              | 5.0 | 0.45 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 4-Chloroaniline             | ND        |              | 5.0 | 0.59 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 4-Chlorophenyl phenyl ether | ND        |              | 5.0 | 0.35 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 4-Methylphenol              | ND        |              | 10  | 0.36 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 4-Nitroaniline              | ND        |              | 10  | 0.25 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

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

Lab Sample ID: MB 480-476146/1-A

Matrix: Water

Analysis Batch: 477057

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 476146

| Analyte                       | MB<br>Result | MB<br>Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------------|-----|------|------|---|----------------|----------------|---------|
| 4-Nitrophenol                 | ND           |                 | 10  | 1.5  | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Acenaphthene                  | ND           |                 | 5.0 | 0.41 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Acenaphthylene                | ND           |                 | 5.0 | 0.38 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Acetophenone                  | ND           |                 | 5.0 | 0.54 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Anthracene                    | ND           |                 | 5.0 | 0.28 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Atrazine                      | ND           |                 | 5.0 | 0.46 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Benzaldehyde                  | ND           |                 | 5.0 | 0.27 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Benzo(a)anthracene            | ND           |                 | 5.0 | 0.36 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Benzo(a)pyrene                | ND           |                 | 5.0 | 0.47 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Benzo(b)fluoranthene          | ND           |                 | 5.0 | 0.34 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Benzo(g,h,i)perylene          | ND           |                 | 5.0 | 0.35 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Benzo(k)fluoranthene          | ND           |                 | 5.0 | 0.73 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Biphenyl                      | ND           |                 | 5.0 | 0.65 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| bis (2-chloroisopropyl) ether | ND           |                 | 5.0 | 0.52 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Bis(2-chloroethoxy)methane    | ND           |                 | 5.0 | 0.35 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Bis(2-chloroethyl)ether       | ND           |                 | 5.0 | 0.40 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND           |                 | 5.0 | 2.2  | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Butyl benzyl phthalate        | ND           |                 | 5.0 | 1.0  | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Caprolactam                   | ND           |                 | 5.0 | 2.2  | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Carbazole                     | ND           |                 | 5.0 | 0.30 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Chrysene                      | ND           |                 | 5.0 | 0.33 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Dibenz(a,h)anthracene         | ND           |                 | 5.0 | 0.42 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Dibenzofuran                  | ND           |                 | 10  | 0.51 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Diethyl phthalate             | ND           |                 | 5.0 | 0.22 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Dimethyl phthalate            | ND           |                 | 5.0 | 0.36 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Di-n-butyl phthalate          | ND           |                 | 5.0 | 0.31 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Di-n-octyl phthalate          | ND           |                 | 5.0 | 0.47 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Fluoranthene                  | ND           |                 | 5.0 | 0.40 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Fluorene                      | ND           |                 | 5.0 | 0.36 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Hexachlorobenzene             | ND           |                 | 5.0 | 0.51 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Hexachlorobutadiene           | ND           |                 | 5.0 | 0.68 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Hexachlorocyclopentadiene     | ND           |                 | 5.0 | 0.59 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Hexachloroethane              | ND           |                 | 5.0 | 0.59 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Indeno(1,2,3-cd)pyrene        | ND           |                 | 5.0 | 0.47 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Isophorone                    | ND           |                 | 5.0 | 0.43 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Naphthalene                   | ND           |                 | 5.0 | 0.76 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Nitrobenzene                  | ND           |                 | 5.0 | 0.29 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| N-Nitrosodi-n-propylamine     | ND           |                 | 5.0 | 0.54 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| N-Nitrosodiphenylamine        | ND           |                 | 5.0 | 0.51 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Pentachlorophenol             | ND           |                 | 10  | 2.2  | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Phenanthrene                  | 0.574        | J               | 5.0 | 0.44 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Phenol                        | ND           |                 | 5.0 | 0.39 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Pyrene                        | ND           |                 | 5.0 | 0.34 | ug/L |   | 06/04/19 16:07 | 06/10/19 17:43 | 1       |

| Surrogate            | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 48              |                 | 41 - 120 | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 2-Fluorobiphenyl     | 82              |                 | 48 - 120 | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| 2-Fluorophenol       | 57              |                 | 35 - 120 | 06/04/19 16:07 | 06/10/19 17:43 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

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

Lab Sample ID: MB 480-476146/1-A

Matrix: Water

Analysis Batch: 477057

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 476146

| Surrogate       | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------|--------------|--------------|----------|----------------|----------------|---------|
| Nitrobenzene-d5 | 73           |              | 46 - 120 | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| Phenol-d5       | 45           |              | 22 - 120 | 06/04/19 16:07 | 06/10/19 17:43 | 1       |
| p-Terphenyl-d14 | 96           |              | 59 - 136 | 06/04/19 16:07 | 06/10/19 17:43 | 1       |

Lab Sample ID: LCS 480-476146/2-A

Matrix: Water

Analysis Batch: 477057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476146

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits   |
|-------------------------------|-------------|------------|---------------|------|---|------|----------|
| 2,4,5-Trichlorophenol         | 32.0        | 29.4       |               | ug/L |   | 92   | 65 - 126 |
| 2,4,6-Trichlorophenol         | 32.0        | 29.0       |               | ug/L |   | 91   | 64 - 120 |
| 2,4-Dichlorophenol            | 32.0        | 27.7       |               | ug/L |   | 87   | 63 - 120 |
| 2,4-Dimethylphenol            | 32.0        | 27.5       |               | ug/L |   | 86   | 47 - 120 |
| 2,4-Dinitrophenol             | 64.0        | 61.9       |               | ug/L |   | 97   | 31 - 137 |
| 2,4-Dinitrotoluene            | 32.0        | 32.0       |               | ug/L |   | 100  | 69 - 120 |
| 2,6-Dinitrotoluene            | 32.0        | 31.3       |               | ug/L |   | 98   | 68 - 120 |
| 2-Chloronaphthalene           | 32.0        | 28.4       |               | ug/L |   | 89   | 58 - 120 |
| 2-Chlorophenol                | 32.0        | 26.5       |               | ug/L |   | 83   | 48 - 120 |
| 2-Methylnaphthalene           | 32.0        | 28.2       |               | ug/L |   | 88   | 59 - 120 |
| 2-Methylphenol                | 32.0        | 26.2       |               | ug/L |   | 82   | 39 - 120 |
| 2-Nitroaniline                | 32.0        | 30.4       |               | ug/L |   | 95   | 54 - 127 |
| 2-Nitrophenol                 | 32.0        | 29.5       |               | ug/L |   | 92   | 52 - 125 |
| 3,3'-Dichlorobenzidine        | 64.0        | 66.6       |               | ug/L |   | 104  | 49 - 135 |
| 3-Nitroaniline                | 32.0        | 26.8       |               | ug/L |   | 84   | 51 - 120 |
| 4,6-Dinitro-2-methylphenol    | 64.0        | 70.4       |               | ug/L |   | 110  | 46 - 136 |
| 4-Bromophenyl phenyl ether    | 32.0        | 28.8       |               | ug/L |   | 90   | 65 - 120 |
| 4-Chloro-3-methylphenol       | 32.0        | 29.1       |               | ug/L |   | 91   | 61 - 123 |
| 4-Chloroaniline               | 32.0        | 26.1       |               | ug/L |   | 82   | 30 - 120 |
| 4-Chlorophenyl phenyl ether   | 32.0        | 29.2       |               | ug/L |   | 91   | 62 - 120 |
| 4-Methylphenol                | 32.0        | 24.7       |               | ug/L |   | 77   | 29 - 131 |
| 4-Nitroaniline                | 32.0        | 30.0       |               | ug/L |   | 94   | 65 - 120 |
| 4-Nitrophenol                 | 64.0        | 47.3       |               | ug/L |   | 74   | 45 - 120 |
| Acenaphthene                  | 32.0        | 29.4       |               | ug/L |   | 92   | 60 - 120 |
| Acenaphthylene                | 32.0        | 31.3       |               | ug/L |   | 98   | 63 - 120 |
| Acetophenone                  | 32.0        | 27.2       |               | ug/L |   | 85   | 45 - 120 |
| Anthracene                    | 32.0        | 31.3       |               | ug/L |   | 98   | 67 - 120 |
| Atrazine                      | 64.0        | 71.7       |               | ug/L |   | 112  | 71 - 130 |
| Benzaldehyde                  | 64.0        | 51.2       |               | ug/L |   | 80   | 10 - 140 |
| Benzo(a)anthracene            | 32.0        | 32.7       |               | ug/L |   | 102  | 70 - 121 |
| Benzo(a)pyrene                | 32.0        | 30.2       |               | ug/L |   | 95   | 60 - 123 |
| Benzo(b)fluoranthene          | 32.0        | 35.6       |               | ug/L |   | 111  | 66 - 126 |
| Benzo(g,h,i)perylene          | 32.0        | 32.0       |               | ug/L |   | 100  | 66 - 150 |
| Benzo(k)fluoranthene          | 32.0        | 33.4       |               | ug/L |   | 105  | 65 - 124 |
| Biphenyl                      | 32.0        | 28.6       |               | ug/L |   | 89   | 59 - 120 |
| bis (2-chloroisopropyl) ether | 32.0        | 24.4       |               | ug/L |   | 76   | 21 - 136 |
| Bis(2-chloroethoxy)methane    | 32.0        | 27.3       |               | ug/L |   | 85   | 50 - 128 |
| Bis(2-chloroethyl)ether       | 32.0        | 25.7       |               | ug/L |   | 80   | 44 - 120 |
| Bis(2-ethylhexyl) phthalate   | 32.0        | 35.5       |               | ug/L |   | 111  | 63 - 139 |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

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

Lab Sample ID: LCS 480-476146/2-A

Matrix: Water

Analysis Batch: 477057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476146

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Butyl benzyl phthalate    | 32.0        | 34.3       |               | ug/L |   | 107  | 70 - 129     |
| Caprolactam               | 64.0        | 21.9       |               | ug/L |   | 34   | 22 - 120     |
| Carbazole                 | 32.0        | 32.4       |               | ug/L |   | 101  | 66 - 123     |
| Chrysene                  | 32.0        | 32.9       |               | ug/L |   | 103  | 69 - 120     |
| Dibenz(a,h)anthracene     | 32.0        | 31.9       |               | ug/L |   | 100  | 65 - 135     |
| Dibenzofuran              | 32.0        | 29.6       |               | ug/L |   | 93   | 66 - 120     |
| Diethyl phthalate         | 32.0        | 32.2       |               | ug/L |   | 101  | 59 - 127     |
| Dimethyl phthalate        | 32.0        | 31.4       |               | ug/L |   | 98   | 68 - 120     |
| Di-n-butyl phthalate      | 32.0        | 33.9       |               | ug/L |   | 106  | 69 - 131     |
| Di-n-octyl phthalate      | 32.0        | 36.3       |               | ug/L |   | 113  | 63 - 140     |
| Fluoranthene              | 32.0        | 32.5       |               | ug/L |   | 101  | 69 - 126     |
| Fluorene                  | 32.0        | 30.0       |               | ug/L |   | 94   | 66 - 120     |
| Hexachlorobenzene         | 32.0        | 28.3       |               | ug/L |   | 88   | 61 - 120     |
| Hexachlorobutadiene       | 32.0        | 23.9       |               | ug/L |   | 75   | 35 - 120     |
| Hexachlorocyclopentadiene | 32.0        | 17.4       |               | ug/L |   | 54   | 31 - 120     |
| Hexachloroethane          | 32.0        | 23.4       |               | ug/L |   | 73   | 43 - 120     |
| Indeno(1,2,3-cd)pyrene    | 32.0        | 31.8       |               | ug/L |   | 99   | 69 - 146     |
| Isophorone                | 32.0        | 28.4       |               | ug/L |   | 89   | 55 - 120     |
| Naphthalene               | 32.0        | 27.0       |               | ug/L |   | 84   | 57 - 120     |
| Nitrobenzene              | 32.0        | 27.4       |               | ug/L |   | 86   | 53 - 123     |
| N-Nitrosodi-n-propylamine | 32.0        | 26.7       |               | ug/L |   | 84   | 32 - 140     |
| N-Nitrosodiphenylamine    | 32.0        | 29.8       |               | ug/L |   | 93   | 61 - 120     |
| Pentachlorophenol         | 64.0        | 43.2       |               | ug/L |   | 68   | 29 - 136     |
| Phenanthrene              | 32.0        | 30.1       |               | ug/L |   | 94   | 68 - 120     |
| Phenol                    | 32.0        | 17.6       |               | ug/L |   | 55   | 17 - 120     |
| Pyrene                    | 32.0        | 34.5       |               | ug/L |   | 108  | 70 - 125     |

| Surrogate            | LCS %Recovery | LCS Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol | 82            |               | 41 - 120 |
| 2-Fluorobiphenyl     | 89            |               | 48 - 120 |
| 2-Fluorophenol       | 66            |               | 35 - 120 |
| Nitrobenzene-d5      | 85            |               | 46 - 120 |
| Phenol-d5            | 52            |               | 22 - 120 |
| p-Terphenyl-d14      | 100           |               | 59 - 136 |

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-476471/1-A

Matrix: Water

Analysis Batch: 476914

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 476471

| Analyte          | MB Result    | MB Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND           |              | 0.20     | 0.10 | ug/L |   | 06/06/19 09:27 | 06/10/19 16:04 | 1       |
| Isotope Dilution | MB %Recovery | MB Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 31           |              | 15 - 110 |      |      |   | 06/06/19 09:27 | 06/10/19 16:04 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: LCS 480-476471/2-A  
Matrix: Water  
Analysis Batch: 476914

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 476471

| Analyte          |  |           | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |  |
|------------------|--|-----------|-------------|------------|---------------|------|---|------|--------------|--|
| 1,4-Dioxane      |  |           | 1.00        | 1.15       |               | ug/L |   | 115  | 40 - 140     |  |
|                  |  |           |             |            |               |      |   |      |              |  |
|                  |  | LCS       | LCS         |            |               |      |   |      |              |  |
| Isotope Dilution |  | %Recovery | Qualifier   | Limits     |               |      |   |      |              |  |
| 1,4-Dioxane-d8   |  | 31        |             | 15 - 110   |               |      |   |      |              |  |

Lab Sample ID: LCSD 480-476471/3-A  
Matrix: Water  
Analysis Batch: 476914

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 476471

| Analyte          |  |           | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|------------------|--|-----------|-------------|-------------|----------------|------|---|------|--------------|-----|-------|
| 1,4-Dioxane      |  |           | 1.00        | 1.19        |                | ug/L |   | 119  | 40 - 140     | 3   | 20    |
|                  |  |           |             |             |                |      |   |      |              |     |       |
|                  |  | LCSD      | LCSD        |             |                |      |   |      |              |     |       |
| Isotope Dilution |  | %Recovery | Qualifier   | Limits      |                |      |   |      |              |     |       |
| 1,4-Dioxane-d8   |  | 33        |             | 15 - 110    |                |      |   |      |              |     |       |

## Method: 310.13 - Identification of Routine Petroleum Products

Lab Sample ID: MB 480-476468/1-A  
Matrix: Water  
Analysis Batch: 476414

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 476468

| Analyte              | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND        |              | 0.20 | 0.20 | mg/L |   | 06/06/19 08:49 | 06/06/19 17:04 | 1       |
| Kerosene             | ND        |              | 0.50 | 0.50 | mg/L |   | 06/06/19 08:49 | 06/06/19 17:04 | 1       |
| Motor Oil            | ND        |              | 1.0  | 1.0  | mg/L |   | 06/06/19 08:49 | 06/06/19 17:04 | 1       |
| Fuel Oil #2          | ND        |              | 0.50 | 0.50 | mg/L |   | 06/06/19 08:49 | 06/06/19 17:04 | 1       |
| Fuel Oil #4          | ND        |              | 0.50 | 0.50 | mg/L |   | 06/06/19 08:49 | 06/06/19 17:04 | 1       |
| Fuel Oil #6          | ND        |              | 0.50 | 0.50 | mg/L |   | 06/06/19 08:49 | 06/06/19 17:04 | 1       |
| Unknown Hydrocarbons | ND        |              | 0.20 | 0.20 | mg/L |   | 06/06/19 08:49 | 06/06/19 17:04 | 1       |

Lab Sample ID: LCS 480-476468/2-A  
Matrix: Water  
Analysis Batch: 476414

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 476468

| Analyte     |  |  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |  |
|-------------|--|--|-------------|------------|---------------|------|---|------|--------------|--|
| Fuel Oil #2 |  |  | 1.50        | 1.47       |               | mg/L |   | 98   | 50 - 150     |  |

Lab Sample ID: LCSD 480-476468/3-A  
Matrix: Water  
Analysis Batch: 476414

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 476468

| Analyte     |  |  | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|-------------|--|--|-------------|-------------|----------------|------|---|------|--------------|-----|-------|
| Fuel Oil #2 |  |  | 1.50        | 1.53        |                | mg/L |   | 102  | 50 - 150     | 4   | 50    |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

## Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-476457/1-A

Matrix: Water

Analysis Batch: 476634

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 476457

| Analyte             | MB Result | MB Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND        |              | 0.050 | 0.0092 | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| 4,4'-DDE            | ND        |              | 0.050 | 0.012  | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| 4,4'-DDT            | ND        |              | 0.050 | 0.011  | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| Aldrin              | ND        |              | 0.050 | 0.0081 | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| alpha-BHC           | ND        |              | 0.050 | 0.0077 | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| cis-Chlordane       | ND        |              | 0.050 | 0.015  | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| beta-BHC            | ND        |              | 0.050 | 0.025  | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| delta-BHC           | ND        |              | 0.050 | 0.010  | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| Dieldrin            | ND        |              | 0.050 | 0.0098 | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| Endosulfan I        | ND        |              | 0.050 | 0.011  | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| Endosulfan II       | ND        |              | 0.050 | 0.012  | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| Endosulfan sulfate  | ND        |              | 0.050 | 0.016  | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| Endrin              | ND        |              | 0.050 | 0.014  | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| Endrin aldehyde     | ND        |              | 0.050 | 0.016  | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| Endrin ketone       | ND        |              | 0.050 | 0.012  | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| gamma-BHC (Lindane) | ND        |              | 0.050 | 0.0080 | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| trans-Chlordane     | ND        |              | 0.050 | 0.011  | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| Heptachlor          | ND        |              | 0.050 | 0.0085 | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| Heptachlor epoxide  | ND        |              | 0.050 | 0.0074 | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| Methoxychlor        | ND        |              | 0.050 | 0.014  | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| Toxaphene           | ND        |              | 0.50  | 0.12   | ug/L |   | 06/06/19 08:34 | 06/07/19 09:51 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 40           |              | 20 - 120 | 06/06/19 08:34 | 06/07/19 09:51 | 1       |
| Tetrachloro-m-xylene   | 69           |              | 44 - 120 | 06/06/19 08:34 | 06/07/19 09:51 | 1       |

Lab Sample ID: LCS 480-476457/2-A

Matrix: Water

Analysis Batch: 476634

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476457

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits   |
|---------------------|-------------|------------|---------------|------|---|------|----------|
| 4,4'-DDD            | 0.400       | 0.440      |               | ug/L |   | 110  | 64 - 129 |
| 4,4'-DDE            | 0.400       | 0.343      |               | ug/L |   | 86   | 50 - 120 |
| 4,4'-DDT            | 0.400       | 0.423      |               | ug/L |   | 106  | 59 - 120 |
| Aldrin              | 0.400       | 0.274      |               | ug/L |   | 68   | 40 - 125 |
| alpha-BHC           | 0.400       | 0.356      |               | ug/L |   | 89   | 52 - 125 |
| cis-Chlordane       | 0.400       | 0.355      |               | ug/L |   | 89   | 52 - 120 |
| beta-BHC            | 0.400       | 0.356      |               | ug/L |   | 89   | 51 - 120 |
| delta-BHC           | 0.400       | 0.438      |               | ug/L |   | 110  | 51 - 120 |
| Dieldrin            | 0.400       | 0.420      |               | ug/L |   | 105  | 66 - 128 |
| Endosulfan I        | 0.400       | 0.401      |               | ug/L |   | 100  | 57 - 120 |
| Endosulfan II       | 0.400       | 0.441      |               | ug/L |   | 110  | 66 - 131 |
| Endosulfan sulfate  | 0.400       | 0.462      |               | ug/L |   | 116  | 66 - 136 |
| Endrin              | 0.400       | 0.442      |               | ug/L |   | 111  | 65 - 135 |
| Endrin aldehyde     | 0.400       | 0.344      |               | ug/L |   | 86   | 61 - 134 |
| Endrin ketone       | 0.400       | 0.469      |               | ug/L |   | 117  | 71 - 133 |
| gamma-BHC (Lindane) | 0.400       | 0.372      |               | ug/L |   | 93   | 56 - 120 |
| trans-Chlordane     | 0.400       | 0.367      |               | ug/L |   | 92   | 54 - 120 |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

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

Lab Sample ID: LCS 480-476457/2-A

Matrix: Water

Analysis Batch: 476634

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476457

| Analyte            | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------|-------------|------------|---------------|------|---|------|--------------|
| Heptachlor         | 0.400       | 0.365      |               | ug/L |   | 91   | 58 - 120     |
| Heptachlor epoxide | 0.400       | 0.394      |               | ug/L |   | 99   | 65 - 125     |
| Methoxychlor       | 0.400       | 0.431      |               | ug/L |   | 108  | 50 - 150     |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| DCB Decachlorobiphenyl | 34            |               | 20 - 120 |
| Tetrachloro-m-xylene   | 76            |               | 44 - 120 |

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

Lab Sample ID: MB 480-476647/1-A

Matrix: Water

Analysis Batch: 476907

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 476647

| Analyte  | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| PCB-1016 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/07/19 07:50 | 06/10/19 16:46 | 1       |
| PCB-1221 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/07/19 07:50 | 06/10/19 16:46 | 1       |
| PCB-1232 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/07/19 07:50 | 06/10/19 16:46 | 1       |
| PCB-1242 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/07/19 07:50 | 06/10/19 16:46 | 1       |
| PCB-1248 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/07/19 07:50 | 06/10/19 16:46 | 1       |
| PCB-1254 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/07/19 07:50 | 06/10/19 16:46 | 1       |
| PCB-1260 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/07/19 07:50 | 06/10/19 16:46 | 1       |
| PCB-1262 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/07/19 07:50 | 06/10/19 16:46 | 1       |
| PCB-1268 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/07/19 07:50 | 06/10/19 16:46 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 66           |              | 39 - 121 | 06/07/19 07:50 | 06/10/19 16:46 | 1       |
| DCB Decachlorobiphenyl | 46           |              | 19 - 120 | 06/07/19 07:50 | 06/10/19 16:46 | 1       |

Lab Sample ID: LCS 480-476647/2-A

Matrix: Water

Analysis Batch: 476907

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476647

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| PCB-1016 | 4.00        | 3.10       |               | ug/L |   | 77   | 62 - 130     |
| PCB-1260 | 4.00        | 3.03       |               | ug/L |   | 76   | 56 - 123     |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| Tetrachloro-m-xylene   | 67            |               | 39 - 121 |
| DCB Decachlorobiphenyl | 41            |               | 19 - 120 |



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-476127/1-A  
Matrix: Water  
Analysis Batch: 477581

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 476127

| Analyte   | MB Result | MB Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND        |              | 0.20   | 0.060   | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Antimony  | ND        |              | 0.020  | 0.0068  | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Arsenic   | ND        |              | 0.015  | 0.0056  | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Barium    | ND        |              | 0.0020 | 0.00070 | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Beryllium | ND        |              | 0.0020 | 0.00030 | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Cadmium   | ND        |              | 0.0020 | 0.00050 | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Calcium   | ND        |              | 0.50   | 0.10    | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Chromium  | ND        |              | 0.0040 | 0.0010  | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Cobalt    | ND        |              | 0.0040 | 0.00063 | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Copper    | 0.00231   | J            | 0.010  | 0.0016  | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Iron      | ND        |              | 0.050  | 0.019   | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Lead      | ND        |              | 0.010  | 0.0030  | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Magnesium | ND        |              | 0.20   | 0.043   | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Manganese | ND        |              | 0.0030 | 0.00040 | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Nickel    | ND        |              | 0.010  | 0.0013  | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Potassium | ND        |              | 0.50   | 0.10    | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Selenium  | ND        |              | 0.025  | 0.0087  | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Silver    | ND        |              | 0.0060 | 0.0017  | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Sodium    | ND        |              | 1.0    | 0.32    | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Thallium  | ND        |              | 0.020  | 0.010   | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Vanadium  | ND        |              | 0.0050 | 0.0015  | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |
| Zinc      | ND        |              | 0.010  | 0.0015  | mg/L |   | 06/05/19 14:04 | 06/12/19 17:32 | 1       |

Lab Sample ID: LCS 480-476127/2-A  
Matrix: Water  
Analysis Batch: 477581

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 476127

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|-------------|------------|---------------|------|---|------|--------------|
| Aluminum  | 10.0        | 9.58       |               | mg/L |   | 96   | 80 - 120     |
| Antimony  | 0.200       | 0.221      |               | mg/L |   | 110  | 80 - 120     |
| Arsenic   | 0.200       | 0.204      |               | mg/L |   | 102  | 80 - 120     |
| Barium    | 0.200       | 0.209      |               | mg/L |   | 104  | 80 - 120     |
| Beryllium | 0.200       | 0.210      |               | mg/L |   | 105  | 80 - 120     |
| Cadmium   | 0.200       | 0.205      |               | mg/L |   | 102  | 80 - 120     |
| Calcium   | 10.0        | 9.75       |               | mg/L |   | 98   | 80 - 120     |
| Chromium  | 0.200       | 0.211      |               | mg/L |   | 105  | 80 - 120     |
| Cobalt    | 0.200       | 0.191      |               | mg/L |   | 95   | 80 - 120     |
| Copper    | 0.200       | 0.193      |               | mg/L |   | 96   | 80 - 120     |
| Iron      | 10.0        | 9.70       |               | mg/L |   | 97   | 80 - 120     |
| Lead      | 0.200       | 0.193      |               | mg/L |   | 96   | 80 - 120     |
| Magnesium | 10.0        | 10.00      |               | mg/L |   | 100  | 80 - 120     |
| Manganese | 0.200       | 0.205      |               | mg/L |   | 103  | 80 - 120     |
| Nickel    | 0.200       | 0.201      |               | mg/L |   | 101  | 80 - 120     |
| Potassium | 10.0        | 10.10      |               | mg/L |   | 101  | 80 - 120     |
| Selenium  | 0.200       | 0.197      |               | mg/L |   | 99   | 80 - 120     |
| Silver    | 0.0500      | 0.0531     |               | mg/L |   | 106  | 80 - 120     |
| Sodium    | 10.0        | 9.63       |               | mg/L |   | 96   | 80 - 120     |
| Thallium  | 0.200       | 0.209      |               | mg/L |   | 105  | 80 - 120     |
| Vanadium  | 0.200       | 0.208      |               | mg/L |   | 104  | 80 - 120     |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-476127/2-A

Matrix: Water

Analysis Batch: 477581

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476127

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Zinc    | 0.200       | 0.214      |               | mg/L |   | 107  | 80 - 120     |

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-476502/1-A

Matrix: Water

Analysis Batch: 476585

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 476502

| Analyte | MB Result | MB Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND        |              | 0.00020 | 0.00012 | mg/L |   | 06/06/19 11:32 | 06/06/19 14:07 | 1       |

Lab Sample ID: LCS 480-476502/2-A

Matrix: Water

Analysis Batch: 476585

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476502

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Mercury | 0.00667     | 0.00643    |               | mg/L |   | 96   | 80 - 120     |

## Method: D445 - Viscosity

Lab Sample ID: LCS 140-31002/6

Matrix: Waste

Analysis Batch: 31002

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|-------|---|------|--------------|
| Kinematic Viscosity | 0.718       | 0.7198     |               | mm2/s |   | 100  | 99 - 101     |

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

## GC/MS VOA

### Analysis Batch: 476183

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-154380-1     | MW-5-94            | Total/NA  | Water  | 8260C  |            |
| 480-154380-3     | MW-10-03           | Total/NA  | Water  | 8260C  |            |
| MB 480-476183/7  | Method Blank       | Total/NA  | Water  | 8260C  |            |
| LCS 480-476183/5 | Lab Control Sample | Total/NA  | Water  | 8260C  |            |

## GC/MS Semi VOA

### Prep Batch: 476146

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154380-1       | MW-5-94            | Total/NA  | Water  | 3510C  |            |
| 480-154380-3       | MW-10-03           | Total/NA  | Water  | 3510C  |            |
| MB 480-476146/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-476146/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 476471

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-154380-1        | MW-5-94                | Total/NA  | Water  | 3510C  |            |
| 480-154380-2        | MW-7-03                | Total/NA  | Water  | 3510C  |            |
| MB 480-476471/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 480-476471/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 480-476471/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 476914

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method       | Prep Batch |
|---------------------|------------------------|-----------|--------|--------------|------------|
| 480-154380-1        | MW-5-94                | Total/NA  | Water  | 8270D SIM ID | 476471     |
| 480-154380-2        | MW-7-03                | Total/NA  | Water  | 8270D SIM ID | 476471     |
| MB 480-476471/1-A   | Method Blank           | Total/NA  | Water  | 8270D SIM ID | 476471     |
| LCS 480-476471/2-A  | Lab Control Sample     | Total/NA  | Water  | 8270D SIM ID | 476471     |
| LCSD 480-476471/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8270D SIM ID | 476471     |

### Analysis Batch: 477057

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154380-1       | MW-5-94            | Total/NA  | Water  | 8270D  | 476146     |
| 480-154380-3       | MW-10-03           | Total/NA  | Water  | 8270D  | 476146     |
| MB 480-476146/1-A  | Method Blank       | Total/NA  | Water  | 8270D  | 476146     |
| LCS 480-476146/2-A | Lab Control Sample | Total/NA  | Water  | 8270D  | 476146     |

## GC Semi VOA

### Analysis Batch: 476414

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-154380-1        | MW-5-94                | Total/NA  | Water  | 310.13 | 476468     |
| 480-154380-2        | MW-7-03                | Total/NA  | Water  | 310.13 | 476468     |
| MB 480-476468/1-A   | Method Blank           | Total/NA  | Water  | 310.13 | 476468     |
| LCS 480-476468/2-A  | Lab Control Sample     | Total/NA  | Water  | 310.13 | 476468     |
| LCSD 480-476468/3-A | Lab Control Sample Dup | Total/NA  | Water  | 310.13 | 476468     |

### Prep Batch: 476457

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 480-154380-1  | MW-5-94          | Total/NA  | Water  | 3510C  |            |
| 480-154380-2  | MW-7-03          | Total/NA  | Water  | 3510C  |            |
| 480-154380-3  | MW-10-03         | Total/NA  | Water  | 3510C  |            |

Eurofins TestAmerica, Buffalo

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

## GC Semi VOA (Continued)

### Prep Batch: 476457 (Continued)

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| MB 480-476457/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-476457/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 476468

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-154380-1        | MW-5-94                | Total/NA  | Water  | 3510C  |            |
| 480-154380-2        | MW-7-03                | Total/NA  | Water  | 3510C  |            |
| MB 480-476468/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 480-476468/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 480-476468/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 476634

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154380-1       | MW-5-94            | Total/NA  | Water  | 8081B  | 476457     |
| 480-154380-2       | MW-7-03            | Total/NA  | Water  | 8081B  | 476457     |
| 480-154380-3       | MW-10-03           | Total/NA  | Water  | 8081B  | 476457     |
| MB 480-476457/1-A  | Method Blank       | Total/NA  | Water  | 8081B  | 476457     |
| LCS 480-476457/2-A | Lab Control Sample | Total/NA  | Water  | 8081B  | 476457     |

### Prep Batch: 476647

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154380-1       | MW-5-94            | Total/NA  | Water  | 3510C  |            |
| 480-154380-2       | MW-7-03            | Total/NA  | Water  | 3510C  |            |
| 480-154380-3       | MW-10-03           | Total/NA  | Water  | 3510C  |            |
| MB 480-476647/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-476647/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 476907

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154380-1       | MW-5-94            | Total/NA  | Water  | 8082A  | 476647     |
| 480-154380-2       | MW-7-03            | Total/NA  | Water  | 8082A  | 476647     |
| 480-154380-3       | MW-10-03           | Total/NA  | Water  | 8082A  | 476647     |
| MB 480-476647/1-A  | Method Blank       | Total/NA  | Water  | 8082A  | 476647     |
| LCS 480-476647/2-A | Lab Control Sample | Total/NA  | Water  | 8082A  | 476647     |

## Metals

### Prep Batch: 476127

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154380-1       | MW-5-94            | Total/NA  | Water  | 3005A  |            |
| 480-154380-3       | MW-10-03           | Total/NA  | Water  | 3005A  |            |
| MB 480-476127/1-A  | Method Blank       | Total/NA  | Water  | 3005A  |            |
| LCS 480-476127/2-A | Lab Control Sample | Total/NA  | Water  | 3005A  |            |

### Prep Batch: 476502

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154380-1       | MW-5-94            | Total/NA  | Water  | 7470A  |            |
| 480-154380-3       | MW-10-03           | Total/NA  | Water  | 7470A  |            |
| MB 480-476502/1-A  | Method Blank       | Total/NA  | Water  | 7470A  |            |
| LCS 480-476502/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  |            |

Eurofins TestAmerica, Buffalo

## QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

### Metals

#### Analysis Batch: 476585

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154380-1       | MW-5-94            | Total/NA  | Water  | 7470A  | 476502     |
| 480-154380-3       | MW-10-03           | Total/NA  | Water  | 7470A  | 476502     |
| MB 480-476502/1-A  | Method Blank       | Total/NA  | Water  | 7470A  | 476502     |
| LCS 480-476502/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  | 476502     |

#### Analysis Batch: 477581

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154380-1       | MW-5-94            | Total/NA  | Water  | 6010C  | 476127     |
| 480-154380-3       | MW-10-03           | Total/NA  | Water  | 6010C  | 476127     |
| MB 480-476127/1-A  | Method Blank       | Total/NA  | Water  | 6010C  | 476127     |
| LCS 480-476127/2-A | Lab Control Sample | Total/NA  | Water  | 6010C  | 476127     |

### General Chemistry

#### Analysis Batch: 31002

| Lab Sample ID   | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 480-154380-4    | MW-3-02-0.2        | Total/NA  | Waste  | D445   |            |
| LCS 140-31002/6 | Lab Control Sample | Total/NA  | Waste  | D445   |            |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

**Client Sample ID: MW-5-94**

**Lab Sample ID: 480-154380-1**

**Date Collected: 06/03/19 10:00**

**Matrix: Water**

**Date Received: 06/03/19 16:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 2               | 476183       | 06/05/19 04:32       | OMI     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 476146       | 06/04/19 16:07       | AAP     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 477057       | 06/10/19 20:08       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 476471       | 06/06/19 09:27       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 10              | 476914       | 06/10/19 18:39       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 476468       | 06/06/19 08:49       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 476414       | 06/06/19 13:26       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 476457       | 06/06/19 08:34       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 476634       | 06/07/19 11:29       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 476647       | 06/07/19 07:50       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 476907       | 06/10/19 18:13       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 476127       | 06/05/19 14:04       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 477581       | 06/12/19 18:24       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 476502       | 06/06/19 11:32       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 476585       | 06/06/19 14:14       | BMB     | TAL BUF |

**Client Sample ID: MW-7-03**

**Lab Sample ID: 480-154380-2**

**Date Collected: 06/03/19 14:20**

**Matrix: Water**

**Date Received: 06/03/19 16:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 476471       | 06/06/19 09:27       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 10              | 476914       | 06/10/19 19:03       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 476468       | 06/06/19 08:49       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 476414       | 06/06/19 14:02       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 476457       | 06/06/19 08:34       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 5               | 476634       | 06/07/19 11:48       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 476647       | 06/07/19 07:50       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 476907       | 06/10/19 18:25       | W1T     | TAL BUF |

**Client Sample ID: MW-10-03**

**Lab Sample ID: 480-154380-3**

**Date Collected: 06/03/19 15:15**

**Matrix: Water**

**Date Received: 06/03/19 16:35**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 4               | 476183       | 06/05/19 04:55       | OMI     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 476146       | 06/04/19 16:07       | AAP     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 477057       | 06/10/19 20:37       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 476457       | 06/06/19 08:34       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 476634       | 06/07/19 12:08       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 476647       | 06/07/19 07:50       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 476907       | 06/10/19 18:37       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 476127       | 06/05/19 14:04       | KMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 477581       | 06/12/19 18:28       | LMH     | TAL BUF |

Eurofins TestAmerica, Buffalo

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

**Client Sample ID: MW-10-03**

**Date Collected: 06/03/19 15:15**

**Date Received: 06/03/19 16:35**

**Lab Sample ID: 480-154380-3**

**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 7470A        |     |                 | 476502       | 06/06/19 11:32       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 476585       | 06/06/19 14:15       | BMB     | TAL BUF |

**Client Sample ID: MW-3-02-0.2**

**Date Collected: 06/03/19 09:14**

**Date Received: 06/03/19 16:35**

**Lab Sample ID: 480-154380-4**

**Matrix: Waste**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | D445         |     | 1               | 31002        | 06/20/19 00:00       | TSN     | TAL KNX |

## Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

# Accreditation/Certification Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

## Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority                                                                                                                                                                                             | Program     | EPA Region | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|-----------------------|-----------------|
| New York                                                                                                                                                                                              | NELAP       | 2          | 10026                 | 03-31-20        |
| 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               |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Fuel Oil #2           |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Fuel Oil #4           |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Fuel Oil #6           |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Gasoline              |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Kerosene              |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Motor Oil             |                 |
| 310.13                                                                                                                                                                                                | 3510C       | Water      | Unknown Hydrocarbons  |                 |

## Laboratory: Eurofins TestAmerica, Knoxville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority              | Program       | EPA Region | Identification Number | Expiration Date |
|------------------------|---------------|------------|-----------------------|-----------------|
|                        | AFCEE         |            | N/A                   |                 |
| ANAB                   | DoD           |            | L2311                 | 02-13-22        |
| ANAB                   | DoD           |            | L2311.01              | 02-13-22        |
| Arkansas DEQ           | State Program | 6          | 88-0688               | 06-16-20        |
| California             | State Program | 9          | 2423                  | 06-30-19        |
| Colorado               | State Program | 8          | TN00009               | 02-28-20        |
| Connecticut            | State Program | 1          | PH-0223               | 09-30-19        |
| Florida                | NELAP         | 4          | E87177                | 06-30-20        |
| Georgia                | State Program | 4          | 906                   | 04-13-20        |
| Hawaii                 | State Program | 9          | N/A                   | 04-13-20        |
| Kansas                 | NELAP         | 7          | E-10349               | 10-31-19        |
| Kentucky (DW)          | State Program | 4          | 90101                 | 12-31-19        |
| Louisiana              | NELAP         | 6          | 83979                 | 06-30-20        |
| Louisiana (DW)         | NELAP         | 6          | LA160005              | 12-31-19        |
| Maryland               | State Program | 3          | 277                   | 03-31-20        |
| Michigan               | State Program | 5          | 9933                  | 04-13-20        |
| Nevada                 | State Program | 9          | TN00009               | 07-31-19        |
| New Hampshire          | NELAP         | 1          | 2999                  | 01-17-20        |
| New Jersey             | NELAP         | 2          | TN001                 | 06-30-20        |
| New York               | NELAP         | 2          | 10781                 | 03-31-20        |
| North Carolina (DW)    | State Program | 4          | 21705                 | 07-31-19        |
| North Carolina (WW/SW) | State Program | 4          | 64                    | 12-31-19        |
| Ohio VAP               | State Program | 5          | CL0059                | 08-28-20        |
| Oklahoma               | State Program | 6          | 9415                  | 08-31-19        |
| Oregon                 | NELAP         | 10         | TNI0189               | 01-01-20        |
| Pennsylvania           | NELAP         | 3          | 68-00576              | 12-31-19        |
| Tennessee              | State Program | 4          | 2014                  | 04-13-20        |
| Texas                  | NELAP         | 6          | T104704380-16-9       | 08-31-19        |
| US Fish & Wildlife     | Federal       |            | LE-058448-0           | 07-31-19        |
| USDA                   | Federal       |            | P330-16-00262         | 08-20-19        |
| Utah                   | NELAP         | 8          | TN00009               | 07-31-19        |
| Virginia               | NELAP         | 3          | 460176                | 09-14-19        |
| Washington             | State Program | 10         | C593                  | 01-19-20        |
| West Virginia (DW)     | State Program | 3          | 9955C                 | 12-31-19        |

Eurofins TestAmerica, Buffalo

## Accreditation/Certification Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154380-1

### Laboratory: Eurofins TestAmerica, Knoxville (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority         | Program       | EPA Region | Identification Number | Expiration Date |
|-------------------|---------------|------------|-----------------------|-----------------|
| West Virginia DEP | State Program | 3          | 345                   | 04-30-20        |
| Wisconsin         | State Program | 5          | 998044300             | 08-31-19        |



## Method Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

| Method       | Method Description                                            | Protocol | Laboratory |
|--------------|---------------------------------------------------------------|----------|------------|
| 8260C        | Volatile Organic Compounds by GC/MS                           | SW846    | TAL BUF    |
| 8270D        | Semivolatile Organic Compounds (GC/MS)                        | SW846    | TAL BUF    |
| 8270D SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | TAL BUF    |
| 310.13       | Identification of Routine Petroleum Products                  | NYASP    | TAL BUF    |
| 8081B        | Organochlorine Pesticides (GC)                                | SW846    | TAL BUF    |
| 8082A        | Polychlorinated Biphenyls (PCBs) by Gas Chromatography        | SW846    | TAL BUF    |
| 6010C        | Metals (ICP)                                                  | SW846    | TAL BUF    |
| 7470A        | Mercury (CVAA)                                                | SW846    | TAL BUF    |
| D445         | Viscosity                                                     | ASTM     | TAL KNX    |
| 3005A        | Preparation, Total Metals                                     | SW846    | TAL BUF    |
| 3510C        | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | TAL BUF    |
| 5030C        | Purge and Trap                                                | SW846    | TAL BUF    |
| 7470A        | Preparation, Mercury                                          | SW846    | TAL BUF    |

### Protocol References:

ASTM = ASTM International

NYASP = New York Analytical Services Protocol

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

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

## Sample Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 480-154380-1  | MW-5-94          | Water  | 06/03/19 10:00 | 06/03/19 16:35 |          |
| 480-154380-2  | MW-7-03          | Water  | 06/03/19 14:20 | 06/03/19 16:35 |          |
| 480-154380-3  | MW-10-03         | Water  | 06/03/19 15:15 | 06/03/19 16:35 |          |
| 480-154380-4  | MW-3-02-0.2      | Waste  | 06/03/19 09:14 | 06/03/19 16:35 |          |

[illegible]





Log In Number:

## TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

| Review Items                                                                                                                                    | Yes | No | NA | If No, what was the problem?                                                                                                                          | Comments/Actions Taken                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| 1. Are the shipping containers intact?                                                                                                          | /   |    |    | <input type="checkbox"/> Containers, Broken                                                                                                           |                                                        |
| 2. Were ambient air containers received intact?                                                                                                 |     |    | /  | <input type="checkbox"/> Checked in lab                                                                                                               |                                                        |
| 3. The coolers/containers custody seal if present, is it intact?                                                                                | /   |    |    | <input type="checkbox"/> Yes<br><input type="checkbox"/> NA                                                                                           |                                                        |
| 4. Is the cooler temperature within limits? (> freezing temp. of water to 6°C, VOST: 10°C)<br>Thermometer ID: _____<br>Correction factor: _____ |     |    | /  | <input type="checkbox"/> Cooler Out of Temp, Client Contacted, Proceed/Cancel<br><input type="checkbox"/> Cooler Out of Temp, Same Day Receipt        |                                                        |
| 5. Were all of the sample containers received intact?                                                                                           | /   |    |    | <input type="checkbox"/> Containers, Broken                                                                                                           |                                                        |
| 6. Were samples received in appropriate containers?                                                                                             | /   |    |    | <input type="checkbox"/> Containers, Improper; Client Contacted; Proceed/Cancel                                                                       |                                                        |
| 7. Do sample container labels match COC? (IDs, Dates, Times)                                                                                    | /   |    |    | <input type="checkbox"/> COC & Samples Do Not Match<br><input type="checkbox"/> COC Incorrect/Incomplete<br><input type="checkbox"/> COC Not Received |                                                        |
| 8. Were all of the samples listed on the COC received?                                                                                          | /   |    |    | <input type="checkbox"/> Sample Received, Not on COC<br><input type="checkbox"/> Sample on COC, Not Received                                          |                                                        |
| 9. Is the date/time of sample collection noted?                                                                                                 | /   |    |    | <input type="checkbox"/> COC; No Date/Time; Client Contacted                                                                                          |                                                        |
| 10. Was the sampler identified on the COC?                                                                                                      | /   |    | /  | <input type="checkbox"/> Sampler Not Listed on COC                                                                                                    |                                                        |
| 11. Is the client and project name/# identified?                                                                                                | /   |    |    | <input type="checkbox"/> COC Incorrect/Incomplete                                                                                                     |                                                        |
| 12. Are tests/parameters listed for each sample?                                                                                                | /   |    |    | <input type="checkbox"/> COC No tests on COC                                                                                                          |                                                        |
| 13. Is the matrix of the samples noted?                                                                                                         | /   |    |    | <input type="checkbox"/> COC Incorrect/Incomplete                                                                                                     |                                                        |
| 14. Was COC relinquished? (Signed/Dated/Timed)                                                                                                  | /   |    |    | <input type="checkbox"/> COC Incorrect/Incomplete                                                                                                     | Box 16A: pH Preservation    Box 18A: Residual Chlorine |
| 15. Were samples received within holding time?                                                                                                  | /   |    |    | <input type="checkbox"/> Holding Time - Receipt                                                                                                       | Preservative: _____                                    |
| 16. Were samples received with correct chemical preservative (excluding Encore)?                                                                |     |    | /  | <input type="checkbox"/> pH Adjusted, pH Included (See box 16A)                                                                                       | Lot Number: _____                                      |
| 17. Were VOA samples received without headspace?                                                                                                |     |    | /  | <input type="checkbox"/> Incorrect Preservative                                                                                                       | Exp Date: _____                                        |
| 18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668)                                                                       |     |    | /  | <input type="checkbox"/> Headspace (VOA only)                                                                                                         | Analyst: _____                                         |
| Chlorine test strip lot number: _____                                                                                                           |     |    | /  | <input type="checkbox"/> Residual Chlorine                                                                                                            | Date: _____                                            |
| 19. For 1613B water samples is pH<9?                                                                                                            |     |    | /  |                                                                                                                                                       | Time: _____                                            |
| 20. For rad samples was sample activity info. Provided?                                                                                         |     |    | /  | <input type="checkbox"/> If no, notify lab to adjust<br><input type="checkbox"/> Project missing info                                                 |                                                        |
| Project #: _____ PM Instructions: _____                                                                                                         |     |    |    |                                                                                                                                                       |                                                        |

Sample Receiving Associate: *[Signature]*

Date: 6-12-19

QA026R31.doc, 112618

# 

Client: New York State D.E.C.

Job Number: 480-154380-1

**Login Number: 154380**

**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   | LIRO    |
| Samples received within 48 hours of sampling.                                    | True   |         |
| Samples requiring field filtration have been filtered in the field.              | True   |         |
| Chlorine Residual checked.                                                       | N/A    |         |

# Isotope Dilution Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154380-1

**Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | DXE<br>(15-110) |
|---------------------|------------------------|-----------------|
| 480-154380-1        | MW-5-94                | 26              |
| 480-154380-2        | MW-7-03                | 22              |
| LCS 480-476471/2-A  | Lab Control Sample     | 31              |
| LCSD 480-476471/3-A | Lab Control Sample Dup | 33              |
| MB 480-476471/1-A   | Method Blank           | 31              |

### Surrogate Legend

DXE = 1,4-Dioxane-d8

## ANALYTICAL REPORT

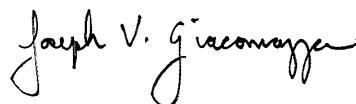
Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-154627-1  
Client Project/Site: Vibratex #915165

For:

New York State D.E.C.  
270 Michigan Avenue  
Buffalo, New York 14203

Attn: Mr. Maurice Moore



Authorized for release by:  
6/19/2019 8:40:42 AM

Joe Giacomazza, Project Management Assistant II  
[joe.giacomazza@testamericainc.com](mailto:joe.giacomazza@testamericainc.com)

Designee for

Orlette Johnson, Senior Project Manager  
(484)685-0864  
[orlette.johnson@testamericainc.com](mailto:orlette.johnson@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 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.*

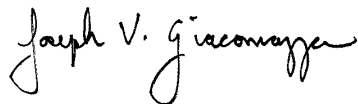
*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



|    |
|----|
| 1  |
| 2  |
| 3  |
| 4  |
| 5  |
| 6  |
| 7  |
| 8  |
| 9  |
| 10 |
| 11 |
| 12 |
| 13 |
| 14 |
| 15 |
| 16 |
| 17 |

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



---

Joe Giacomazza  
Project Management Assistant II  
6/19/2019 8:40:42 AM

# Table of Contents

|                                              |    |
|----------------------------------------------|----|
| Cover Page . . . . .                         | 1  |
| Table of Contents . . . . .                  | 3  |
| Definitions . . . . .                        | 4  |
| Case Narrative . . . . .                     | 5  |
| Detection Summary . . . . .                  | 7  |
| Client Sample Results . . . . .              | 9  |
| Surrogate Summary . . . . .                  | 27 |
| QC Sample Results . . . . .                  | 29 |
| QC Association . . . . .                     | 51 |
| Chronicle . . . . .                          | 55 |
| Certification Summary . . . . .              | 57 |
| Method Summary . . . . .                     | 58 |
| Sample Summary . . . . .                     | 59 |
| Chain of Custody . . . . .                   | 60 |
| Receipt Checklists . . . . .                 | 61 |
| Detection Limit Exceptions Summary . . . . . | 62 |
| Isotope Dilution Summary . . . . .           | 63 |



## Definitions/Glossary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

### Qualifiers

#### GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| E         | Result exceeded calibration range.                                                                             |
| F1        | MS and/or MSD Recovery is outside acceptance limits.                                                           |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

#### GC/MS Semi VOA

| Qualifier | Qualifier Description                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| E         | Result exceeded calibration range.                                                                                                                        |
| F1        | MS and/or MSD Recovery is outside acceptance limits.                                                                                                      |
| F2        | MS/MSD RPD exceeds control limits                                                                                                                         |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.                                            |
| X         | Surrogate is outside control limits                                                                                                                       |

#### GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| B         | Compound was found in the blank and sample.                                                                    |
| F1        | MS and/or MSD Recovery is outside acceptance limits.                                                           |
| F2        | MS/MSD RPD exceeds control limits                                                                              |
| F4        | MS/MSD RPD exceeds control limits due to sample size difference.                                               |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

#### Metals

| Qualifier | Qualifier Description                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.                                            |

### Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| 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)                                                                             |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| PQL            | Practical Quantitation Limit                                                                                |
| 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)                                                                       |

Eurofins TestAmerica, Buffalo

# Case Narrative

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154627-1

## Job ID: 480-154627-1

Laboratory: Eurofins TestAmerica, Buffalo

### Narrative

#### Job Narrative 480-154627-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 6/6/2019 3:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3° C.

#### GC/MS VOA

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-476861 recovered outside acceptance criteria, low biased, for cyclohexane and Methylcyclohexane. 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.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: DEEPSUMP (480-154627-3), DEEPSUMP (480-154627-3[MS]), DEEPSUMP (480-154627-3[MSD]) and DEEPSUMP DUP (480-154627-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-476891 recovered outside acceptance criteria, low biased, for Cyclohexane and Methylcyclohexane. 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.

Method(s) 8260C: Due to the high concentration of cis-1,2-Dichloroethene, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 480-476891 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-477249 and analytical batch 480-478194 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-478194 recovered outside acceptance criteria, low biased, for Carbazole. 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.

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: DEEPSUMP (480-154627-3), DEEPSUMP (480-154627-3[MS]), DEEPSUMP (480-154627-3[MSD]), DEEPSUMP DUP (480-154627-4) and MW-4-02 (480-154627-5). Elevated reporting limits (RLs) are provided.

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 samples contained an allowable number of surrogate compounds outside limits: DEEPSUMP (480-154627-3[MS]), DEEPSUMP (480-154627-3[MSD]) and DEEPSUMP DUP (480-154627-4). These results have been reported and qualified.

Method(s) 8270D SIM ID: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-4-02 (480-154627-5). Elevated reporting limits (RLs) are provided.

Method(s) 8270D SIM ID: The 1,4-Dioxane result reported for samples MW-4-02 (480-154627-5) and (LCS 480-477098/2-A) 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.

## Case Narrative

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154627-1

### Job ID: 480-154627-1 (Continued)

#### Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method(s) 8270D SIM ID: The following sample was diluted due to the nature of the sample matrix: MW-10-03 (480-154627-2). Elevated reporting limits (RLs) are provided.

Method(s) 8270D SIM ID: The following samples were diluted to bring the concentration of target analytes within the calibration range: DEEPSUMP (480-154627-3), DEEPSUMP (480-154627-3[MS]), DEEPSUMP (480-154627-3[MSD]) and DEEPSUMP DUP (480-154627-4). Elevated reporting limits (RLs) are provided.

Method(s) 8270D SIM ID: The 1,4-Dioxane result reported for samples DEEPSUMP (480-154627-3), DEEPSUMP (480-154627-3[MS]), DEEPSUMP (480-154627-3[MSD]) and DEEPSUMP DUP (480-154627-4) 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.

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: The matrix spike (MS) recoveries for preparation batch 480-477134 and analytical batch 480-477318 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8081B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-477134 and analytical batch 480-477318 was outside control limits. Sample matrix interference is suspected.

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

#### Metals

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

#### Organic Prep

Method(s) 3510C: Insufficient sample volume was provided for the following sample for the 8270 SIM analysis: MW-2-10 (480-154627-1).

Method(s) 3510C: Elevated reporting limits are provided for the following sample due to insufficient sample provided for preparation: MW-10-03 (480-154627-2).

Method(s) 3510C: The following sample required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: MW-4-02 (480-154627-5).

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: Vibratech #915165

Job ID: 480-154627-1

### Client Sample ID: MW-2-10

### Lab Sample ID: 480-154627-1

| Analyte     | Result | Qualifier | RL    | MDL   | Unit | Dil Fac | D | Method       | Prep Type |
|-------------|--------|-----------|-------|-------|------|---------|---|--------------|-----------|
| 1,4-Dioxane | 0.67   |           | 0.25  | 0.13  | ug/L | 1       |   | 8270D SIM ID | Total/NA  |
| delta-BHC   | 0.012  | J B       | 0.054 | 0.011 | ug/L | 1       |   | 8081B        | Total/NA  |
| Dieldrin    | 0.012  | J         | 0.054 | 0.011 | ug/L | 1       |   | 8081B        | Total/NA  |

### Client Sample ID: MW-10-03

### Lab Sample ID: 480-154627-2

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|----------------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| 1,4-Dioxane          | 7.0    |           | 2.0  | 1.0  | ug/L | 10      |   | 8270D SIM ID | Total/NA  |
| Motor Oil            | 0.81   |           | 0.72 | 0.72 | mg/L | 1       |   | 310.13       | Total/NA  |
| Unknown Hydrocarbons | 0.68   |           | 0.24 | 0.24 | mg/L | 1       |   | 310.13       | Total/NA  |

### Client Sample ID: DEEPSUMP

### Lab Sample ID: 480-154627-3

| Analyte                | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method       | Prep Type |
|------------------------|--------|-----------|--------|---------|------|---------|---|--------------|-----------|
| 1,1,1-Trichloroethane  | 44     |           | 2.0    | 1.6     | ug/L | 2       |   | 8260C        | Total/NA  |
| 1,1-Dichloroethane     | 46     | F1        | 2.0    | 0.76    | ug/L | 2       |   | 8260C        | Total/NA  |
| 1,1-Dichloroethene     | 1.2    | J F1      | 2.0    | 0.58    | ug/L | 2       |   | 8260C        | Total/NA  |
| Chloroethane           | 9.4    |           | 2.0    | 0.64    | ug/L | 2       |   | 8260C        | Total/NA  |
| cis-1,2-Dichloroethene | 65     | F1        | 2.0    | 1.6     | ug/L | 2       |   | 8260C        | Total/NA  |
| Trichloroethene        | 8.5    | F1        | 2.0    | 0.92    | ug/L | 2       |   | 8260C        | Total/NA  |
| Vinyl chloride         | 5.2    | F1        | 2.0    | 1.8     | ug/L | 2       |   | 8260C        | Total/NA  |
| 1,4-Dioxane            | 370    | E         | 20     | 10      | ug/L | 100     |   | 8270D SIM ID | Total/NA  |
| Motor Oil              | 3.0    |           | 1.0    | 1.0     | mg/L | 1       |   | 310.13       | Total/NA  |
| 4,4'-DDT               | 0.031  | J F1 F2   | 0.053  | 0.012   | ug/L | 1       |   | 8081B        | Total/NA  |
| delta-BHC              | 0.016  | J B       | 0.053  | 0.011   | ug/L | 1       |   | 8081B        | Total/NA  |
| Endrin ketone          | 0.024  | J         | 0.053  | 0.013   | ug/L | 1       |   | 8081B        | Total/NA  |
| gamma-BHC (Lindane)    | 0.016  | J         | 0.053  | 0.0085  | ug/L | 1       |   | 8081B        | Total/NA  |
| trans-Chlordane        | 0.014  | J F2      | 0.053  | 0.012   | ug/L | 1       |   | 8081B        | Total/NA  |
| Barium                 | 0.033  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C        | Total/NA  |
| Calcium                | 79.1   |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Copper                 | 0.0099 | J         | 0.010  | 0.0016  | mg/L | 1       |   | 6010C        | Total/NA  |
| Iron                   | 0.030  | J         | 0.050  | 0.019   | mg/L | 1       |   | 6010C        | Total/NA  |
| Magnesium              | 6.8    |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C        | Total/NA  |
| Manganese              | 0.054  |           | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C        | Total/NA  |
| Nickel                 | 0.0024 | J         | 0.010  | 0.0013  | mg/L | 1       |   | 6010C        | Total/NA  |
| Potassium              | 2.8    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Sodium                 | 11.8   |           | 1.0    | 0.32    | mg/L | 1       |   | 6010C        | Total/NA  |
| Zinc                   | 0.023  |           | 0.010  | 0.0015  | mg/L | 1       |   | 6010C        | Total/NA  |

### Client Sample ID: DEEPSUMP DUP

### Lab Sample ID: 480-154627-4

| Analyte                | Result | Qualifier | RL    | MDL   | Unit | Dil Fac | D | Method       | Prep Type |
|------------------------|--------|-----------|-------|-------|------|---------|---|--------------|-----------|
| 1,1,1-Trichloroethane  | 47     |           | 2.0   | 1.6   | ug/L | 2       |   | 8260C        | Total/NA  |
| 1,1-Dichloroethane     | 50     |           | 2.0   | 0.76  | ug/L | 2       |   | 8260C        | Total/NA  |
| 1,1-Dichloroethene     | 1.5    | J         | 2.0   | 0.58  | ug/L | 2       |   | 8260C        | Total/NA  |
| Chloroethane           | 11     |           | 2.0   | 0.64  | ug/L | 2       |   | 8260C        | Total/NA  |
| cis-1,2-Dichloroethene | 69     |           | 2.0   | 1.6   | ug/L | 2       |   | 8260C        | Total/NA  |
| Trichloroethene        | 9.2    |           | 2.0   | 0.92  | ug/L | 2       |   | 8260C        | Total/NA  |
| Vinyl chloride         | 6.0    |           | 2.0   | 1.8   | ug/L | 2       |   | 8260C        | Total/NA  |
| 1,4-Dioxane            | 320    | E         | 20    | 10    | ug/L | 100     |   | 8270D SIM ID | Total/NA  |
| Motor Oil              | 4.2    |           | 1.0   | 1.0   | mg/L | 1       |   | 310.13       | Total/NA  |
| delta-BHC              | 0.018  | J B       | 0.050 | 0.010 | ug/L | 1       |   | 8081B        | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Detection Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

## Client Sample ID: DEEPSUMP DUP (Continued)

Lab Sample ID: 480-154627-4

| Analyte             | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method | Prep Type |
|---------------------|--------|-----------|--------|---------|------|---------|---|--------|-----------|
| Dieldrin            | 0.018  | J         | 0.050  | 0.0098  | ug/L | 1       |   | 8081B  | Total/NA  |
| Endrin aldehyde     | 0.030  | J         | 0.050  | 0.016   | ug/L | 1       |   | 8081B  | Total/NA  |
| gamma-BHC (Lindane) | 0.017  | J         | 0.050  | 0.0080  | ug/L | 1       |   | 8081B  | Total/NA  |
| trans-Chlordane     | 0.013  | J         | 0.050  | 0.011   | ug/L | 1       |   | 8081B  | Total/NA  |
| Barium              | 0.033  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C  | Total/NA  |
| Calcium             | 85.6   |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Chromium            | 0.0014 | J         | 0.0040 | 0.0010  | mg/L | 1       |   | 6010C  | Total/NA  |
| Copper              | 0.0035 | J         | 0.010  | 0.0016  | mg/L | 1       |   | 6010C  | Total/NA  |
| Iron                | 0.78   |           | 0.050  | 0.019   | mg/L | 1       |   | 6010C  | Total/NA  |
| Magnesium           | 8.5    |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C  | Total/NA  |
| Manganese           | 0.17   |           | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C  | Total/NA  |
| Nickel              | 0.0026 | J         | 0.010  | 0.0013  | mg/L | 1       |   | 6010C  | Total/NA  |
| Potassium           | 2.7    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C  | Total/NA  |
| Sodium              | 15.8   |           | 1.0    | 0.32    | mg/L | 1       |   | 6010C  | Total/NA  |
| Zinc                | 0.023  |           | 0.010  | 0.0015  | mg/L | 1       |   | 6010C  | Total/NA  |

## Client Sample ID: MW-4-02

Lab Sample ID: 480-154627-5

| Analyte                | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method       | Prep Type |
|------------------------|--------|-----------|--------|---------|------|---------|---|--------------|-----------|
| 1,1-Dichloroethane     | 31     |           | 1.0    | 0.38    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,2-Dichloroethane     | 0.25   | J         | 1.0    | 0.21    | ug/L | 1       |   | 8260C        | Total/NA  |
| Benzene                | 0.96   | J         | 1.0    | 0.41    | ug/L | 1       |   | 8260C        | Total/NA  |
| Chloroethane           | 17     |           | 1.0    | 0.32    | ug/L | 1       |   | 8260C        | Total/NA  |
| cis-1,2-Dichloroethene | 21     |           | 1.0    | 0.81    | ug/L | 1       |   | 8260C        | Total/NA  |
| Cyclohexane            | 0.85   | J         | 1.0    | 0.18    | ug/L | 1       |   | 8260C        | Total/NA  |
| Methylcyclohexane      | 0.75   | J         | 1.0    | 0.16    | ug/L | 1       |   | 8260C        | Total/NA  |
| Trichloroethene        | 0.92   | J         | 1.0    | 0.46    | ug/L | 1       |   | 8260C        | Total/NA  |
| Vinyl chloride         | 15     |           | 1.0    | 0.90    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,4-Dioxane            | 30     | E         | 4.0    | 2.0     | ug/L | 20      |   | 8270D SIM ID | Total/NA  |
| Pyrene                 | 1.7    | J         | 25     | 1.7     | ug/L | 5       |   | 8270D        | Total/NA  |
| Motor Oil              | 32     |           | 0.96   | 0.96    | mg/L | 1       |   | 310.13       | Total/NA  |
| alpha-BHC              | 0.043  | J         | 0.25   | 0.039   | ug/L | 5       |   | 8081B        | Total/NA  |
| delta-BHC              | 0.056  | J B       | 0.25   | 0.050   | ug/L | 5       |   | 8081B        | Total/NA  |
| Barium                 | 0.021  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C        | Total/NA  |
| Calcium                | 85.0   |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Chromium               | 0.0011 | J         | 0.0040 | 0.0010  | mg/L | 1       |   | 6010C        | Total/NA  |
| Iron                   | 1.7    |           | 0.050  | 0.019   | mg/L | 1       |   | 6010C        | Total/NA  |
| Magnesium              | 10.2   |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C        | Total/NA  |
| Manganese              | 0.63   |           | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C        | Total/NA  |
| Potassium              | 2.6    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Sodium                 | 20.5   |           | 1.0    | 0.32    | mg/L | 1       |   | 6010C        | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

Client Sample ID: MW-2-10

Lab Sample ID: 480-154627-1

Date Collected: 06/06/19 09:15

Matrix: Water

Date Received: 06/06/19 15:55

## 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      | 0.67      |           | 0.25     | 0.13 | ug/L |   | 06/10/19 15:51 | 06/12/19 17:45 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 22        |           | 15 - 110 |      |      |   | 06/10/19 15:51 | 06/12/19 17:45 | 1       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.22 | 0.22 | mg/L |   | 06/11/19 07:54 | 06/12/19 10:48 | 1       |
| Kerosene             | ND     |           | 0.56 | 0.56 | mg/L |   | 06/11/19 07:54 | 06/12/19 10:48 | 1       |
| Motor Oil            | ND     |           | 1.1  | 1.1  | mg/L |   | 06/11/19 07:54 | 06/12/19 10:48 | 1       |
| Fuel Oil #2          | ND     |           | 0.56 | 0.56 | mg/L |   | 06/11/19 07:54 | 06/12/19 10:48 | 1       |
| Fuel Oil #4          | ND     |           | 0.56 | 0.56 | mg/L |   | 06/11/19 07:54 | 06/12/19 10:48 | 1       |
| Fuel Oil #6          | ND     |           | 0.56 | 0.56 | mg/L |   | 06/11/19 07:54 | 06/12/19 10:48 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.22 | 0.22 | mg/L |   | 06/11/19 07:54 | 06/12/19 10:48 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result    | Qualifier | RL       | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDD               | ND        |           | 0.054    | 0.010  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| 4,4'-DDE               | ND        |           | 0.054    | 0.013  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| 4,4'-DDT               | ND        |           | 0.054    | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| Aldrin                 | ND        |           | 0.054    | 0.0088 | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| alpha-BHC              | ND        |           | 0.054    | 0.0084 | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| cis-Chlordane          | ND        |           | 0.054    | 0.016  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| beta-BHC               | ND        |           | 0.054    | 0.027  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| delta-BHC              | 0.012     | J B       | 0.054    | 0.011  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| Dieldrin               | 0.012     | J         | 0.054    | 0.011  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| Endosulfan I           | ND        |           | 0.054    | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| Endosulfan II          | ND        |           | 0.054    | 0.013  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| Endosulfan sulfate     | ND        |           | 0.054    | 0.017  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| Endrin                 | ND        |           | 0.054    | 0.015  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| Endrin aldehyde        | ND        |           | 0.054    | 0.018  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| Endrin ketone          | ND        |           | 0.054    | 0.013  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| gamma-BHC (Lindane)    | ND        |           | 0.054    | 0.0087 | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| trans-Chlordane        | ND        |           | 0.054    | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| Heptachlor             | ND        |           | 0.054    | 0.0092 | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| Heptachlor epoxide     | ND        |           | 0.054    | 0.0080 | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| Methoxychlor           | ND        |           | 0.054    | 0.015  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| Toxaphene              | ND        |           | 0.54     | 0.13   | ug/L |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| Surrogate              | %Recovery | Qualifier | Limits   |        |      |   | Prepared       | Analyzed       | Dil Fac |
| DCB Decachlorobiphenyl | 22        |           | 20 - 120 |        |      |   | 06/11/19 06:22 | 06/12/19 13:53 | 1       |
| Tetrachloro-m-xylene   | 73        |           | 44 - 120 |        |      |   | 06/11/19 06:22 | 06/12/19 13:53 | 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 |   | 06/11/19 15:01 | 06/12/19 20:25 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:25 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:25 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:25 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:25 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:25 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154627-1

**Client Sample ID: MW-2-10**

**Lab Sample ID: 480-154627-1**

**Date Collected: 06/06/19 09:15**

**Matrix: Water**

**Date Received: 06/06/19 15:55**

## 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 |   | 06/11/19 15:01 | 06/12/19 20:25 | 1       |
| PCB-1262               | ND        |           | 0.50     | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:25 | 1       |
| PCB-1268               | ND        |           | 0.50     | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:25 | 1       |
| Surrogate              | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Tetrachloro-m-xylene   | 77        |           | 39 - 121 |      |      |   | 06/11/19 15:01 | 06/12/19 20:25 | 1       |
| DCB Decachlorobiphenyl | 34        |           | 19 - 120 |      |      |   | 06/11/19 15:01 | 06/12/19 20:25 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154627-1

**Client Sample ID: MW-10-03**

**Lab Sample ID: 480-154627-2**

Date Collected: 06/06/19 10:00

Matrix: Water

Date Received: 06/06/19 15:55

## 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      | 7.0       |           | 2.0      | 1.0 | ug/L |   | 06/10/19 15:51 | 06/12/19 18:09 | 10      |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 26        |           | 15 - 110 |     |      |   | 06/10/19 15:51 | 06/12/19 18:09 | 10      |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.24 | 0.24 | mg/L |   | 06/11/19 07:54 | 06/12/19 11:24 | 1       |
| Kerosene             | ND     |           | 0.60 | 0.60 | mg/L |   | 06/11/19 07:54 | 06/12/19 11:24 | 1       |
| Motor Oil            | 0.81   |           | 0.72 | 0.72 | mg/L |   | 06/11/19 07:54 | 06/12/19 11:24 | 1       |
| Fuel Oil #2          | ND     |           | 0.60 | 0.60 | mg/L |   | 06/11/19 07:54 | 06/12/19 11:24 | 1       |
| Fuel Oil #4          | ND     |           | 0.60 | 0.60 | mg/L |   | 06/11/19 07:54 | 06/12/19 11:24 | 1       |
| Fuel Oil #6          | ND     |           | 0.60 | 0.60 | mg/L |   | 06/11/19 07:54 | 06/12/19 11:24 | 1       |
| Unknown Hydrocarbons | 0.68   |           | 0.24 | 0.24 | mg/L |   | 06/11/19 07:54 | 06/12/19 11:24 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

Client Sample ID: DEEPSUMP

Lab Sample ID: 480-154627-3

Date Collected: 06/06/19 12:30

Matrix: Water

Date Received: 06/06/19 15:55

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

| Analyte                               | Result          | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-----------------|-----------|-----|------|------|---|----------|----------------|---------|
| <b>1,1,1-Trichloroethane</b>          | <b>44</b>       |           | 2.0 | 1.6  | ug/L |   |          | 06/09/19 11:17 | 2       |
| 1,1,2,2-Tetrachloroethane             | ND              |           | 2.0 | 0.42 | ug/L |   |          | 06/09/19 11:17 | 2       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND              |           | 2.0 | 0.62 | ug/L |   |          | 06/09/19 11:17 | 2       |
| 1,1,2-Trichloroethane                 | ND              |           | 2.0 | 0.46 | ug/L |   |          | 06/09/19 11:17 | 2       |
| <b>1,1-Dichloroethane</b>             | <b>46 F1</b>    |           | 2.0 | 0.76 | ug/L |   |          | 06/09/19 11:17 | 2       |
| <b>1,1-Dichloroethene</b>             | <b>1.2 J F1</b> |           | 2.0 | 0.58 | ug/L |   |          | 06/09/19 11:17 | 2       |
| 1,2,4-Trichlorobenzene                | ND              |           | 2.0 | 0.82 | ug/L |   |          | 06/09/19 11:17 | 2       |
| 1,2-Dibromo-3-Chloropropane           | ND              |           | 2.0 | 0.78 | ug/L |   |          | 06/09/19 11:17 | 2       |
| 1,2-Dibromoethane                     | ND              |           | 2.0 | 1.5  | ug/L |   |          | 06/09/19 11:17 | 2       |
| 1,2-Dichlorobenzene                   | ND              |           | 2.0 | 1.6  | ug/L |   |          | 06/09/19 11:17 | 2       |
| 1,2-Dichloroethane                    | ND              |           | 2.0 | 0.42 | ug/L |   |          | 06/09/19 11:17 | 2       |
| 1,2-Dichloropropane                   | ND              |           | 2.0 | 1.4  | ug/L |   |          | 06/09/19 11:17 | 2       |
| 1,3-Dichlorobenzene                   | ND              |           | 2.0 | 1.6  | ug/L |   |          | 06/09/19 11:17 | 2       |
| 1,4-Dichlorobenzene                   | ND              |           | 2.0 | 1.7  | ug/L |   |          | 06/09/19 11:17 | 2       |
| 2-Butanone (MEK)                      | ND              |           | 20  | 2.6  | ug/L |   |          | 06/09/19 11:17 | 2       |
| 2-Hexanone                            | ND              |           | 10  | 2.5  | ug/L |   |          | 06/09/19 11:17 | 2       |
| 4-Methyl-2-pentanone (MIBK)           | ND              |           | 10  | 4.2  | ug/L |   |          | 06/09/19 11:17 | 2       |
| Acetone                               | ND              |           | 20  | 6.0  | ug/L |   |          | 06/09/19 11:17 | 2       |
| Benzene                               | ND              |           | 2.0 | 0.82 | ug/L |   |          | 06/09/19 11:17 | 2       |
| Bromodichloromethane                  | ND              |           | 2.0 | 0.78 | ug/L |   |          | 06/09/19 11:17 | 2       |
| Bromoform                             | ND              |           | 2.0 | 0.52 | ug/L |   |          | 06/09/19 11:17 | 2       |
| Bromomethane                          | ND              |           | 2.0 | 1.4  | ug/L |   |          | 06/09/19 11:17 | 2       |
| Carbon disulfide                      | ND              |           | 2.0 | 0.38 | ug/L |   |          | 06/09/19 11:17 | 2       |
| Carbon tetrachloride                  | ND              |           | 2.0 | 0.54 | ug/L |   |          | 06/09/19 11:17 | 2       |
| Chlorobenzene                         | ND              |           | 2.0 | 1.5  | ug/L |   |          | 06/09/19 11:17 | 2       |
| <b>Chloroethane</b>                   | <b>9.4</b>      |           | 2.0 | 0.64 | ug/L |   |          | 06/09/19 11:17 | 2       |
| Chloroform                            | ND              |           | 2.0 | 0.68 | ug/L |   |          | 06/09/19 11:17 | 2       |
| Chloromethane                         | ND              |           | 2.0 | 0.70 | ug/L |   |          | 06/09/19 11:17 | 2       |
| <b>cis-1,2-Dichloroethene</b>         | <b>65 F1</b>    |           | 2.0 | 1.6  | ug/L |   |          | 06/09/19 11:17 | 2       |
| cis-1,3-Dichloropropene               | ND              |           | 2.0 | 0.72 | ug/L |   |          | 06/09/19 11:17 | 2       |
| Cyclohexane                           | ND              |           | 2.0 | 0.36 | ug/L |   |          | 06/09/19 11:17 | 2       |
| Dibromochloromethane                  | ND              |           | 2.0 | 0.64 | ug/L |   |          | 06/09/19 11:17 | 2       |
| Dichlorodifluoromethane               | ND              |           | 2.0 | 1.4  | ug/L |   |          | 06/09/19 11:17 | 2       |
| Ethylbenzene                          | ND              |           | 2.0 | 1.5  | ug/L |   |          | 06/09/19 11:17 | 2       |
| Isopropylbenzene                      | ND              |           | 2.0 | 1.6  | ug/L |   |          | 06/09/19 11:17 | 2       |
| Methyl acetate                        | ND              |           | 5.0 | 2.6  | ug/L |   |          | 06/09/19 11:17 | 2       |
| Methyl tert-butyl ether               | ND              |           | 2.0 | 0.32 | ug/L |   |          | 06/09/19 11:17 | 2       |
| Methylcyclohexane                     | ND              |           | 2.0 | 0.32 | ug/L |   |          | 06/09/19 11:17 | 2       |
| Methylene Chloride                    | ND              |           | 2.0 | 0.88 | ug/L |   |          | 06/09/19 11:17 | 2       |
| Styrene                               | ND              |           | 2.0 | 1.5  | ug/L |   |          | 06/09/19 11:17 | 2       |
| Tetrachloroethene                     | ND              |           | 2.0 | 0.72 | ug/L |   |          | 06/09/19 11:17 | 2       |
| Toluene                               | ND              |           | 2.0 | 1.0  | ug/L |   |          | 06/09/19 11:17 | 2       |
| trans-1,2-Dichloroethene              | ND              |           | 2.0 | 1.8  | ug/L |   |          | 06/09/19 11:17 | 2       |
| trans-1,3-Dichloropropene             | ND              |           | 2.0 | 0.74 | ug/L |   |          | 06/09/19 11:17 | 2       |
| <b>Trichloroethene</b>                | <b>8.5 F1</b>   |           | 2.0 | 0.92 | ug/L |   |          | 06/09/19 11:17 | 2       |
| Trichlorofluoromethane                | ND              |           | 2.0 | 1.8  | ug/L |   |          | 06/09/19 11:17 | 2       |
| <b>Vinyl chloride</b>                 | <b>5.2 F1</b>   |           | 2.0 | 1.8  | ug/L |   |          | 06/09/19 11:17 | 2       |
| Xylenes, Total                        | ND              |           | 4.0 | 1.3  | ug/L |   |          | 06/09/19 11:17 | 2       |
| t-Butyl alcohol                       | ND              |           | 20  | 6.6  | ug/L |   |          | 06/09/19 11:17 | 2       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

Client Sample ID: DEEPSUMP

Lab Sample ID: 480-154627-3

Date Collected: 06/06/19 12:30

Matrix: Water

Date Received: 06/06/19 15:55

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 77 - 120 |          | 06/09/19 11:17 | 2       |
| 4-Bromofluorobenzene (Surr)  | 105       |           | 73 - 120 |          | 06/09/19 11:17 | 2       |
| Dibromofluoromethane (Surr)  | 97        |           | 75 - 123 |          | 06/09/19 11:17 | 2       |
| Toluene-d8 (Surr)            | 93        |           | 80 - 120 |          | 06/09/19 11:17 | 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      | 370       | E         | 20       | 10  | ug/L |   | 06/10/19 15:51 | 06/14/19 16:59 | 100     |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 20        |           | 15 - 110 |     |      |   | 06/10/19 15:51 | 06/14/19 16:59 | 100     |

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

| Analyte                       | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 25 | 3.1 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 2,4-Dichlorophenol            | ND     | F2        | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 25 | 2.5 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 50 | 11  | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 25 | 2.2 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 2-Chloronaphthalene           | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 2-Chlorophenol                | ND     |           | 25 | 2.7 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 2-Methylnaphthalene           | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 2-Methylphenol                | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 2-Nitroaniline                | ND     |           | 50 | 2.1 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 2-Nitrophenol                 | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 3,3'-Dichlorobenzidine        | ND     | F1        | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 3-Nitroaniline                | ND     |           | 50 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 50 | 11  | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 4-Chloroaniline               | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 4-Methylphenol                | ND     |           | 50 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 4-Nitroaniline                | ND     |           | 50 | 1.3 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 4-Nitrophenol                 | ND     |           | 50 | 7.6 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Acenaphthene                  | ND     |           | 25 | 2.1 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Acenaphthylene                | ND     |           | 25 | 1.9 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Acetophenone                  | ND     |           | 25 | 2.7 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Anthracene                    | ND     |           | 25 | 1.4 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Atrazine                      | ND     | F2        | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Benzaldehyde                  | ND     |           | 25 | 1.3 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Benzo(a)anthracene            | ND     | F2        | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Benzo(a)pyrene                | ND     | F2        | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Benzo(b)fluoranthene          | ND     | F2        | 25 | 1.7 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Benzo(g,h,i)perylene          | ND     | F2        | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Benzo(k)fluoranthene          | ND     | F2        | 25 | 3.7 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Biphenyl                      | ND     |           | 25 | 3.3 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

Client Sample ID: DEEPSUMP

Lab Sample ID: 480-154627-3

Date Collected: 06/06/19 12:30

Matrix: Water

Date Received: 06/06/19 15:55

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

| Analyte                     | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| Bis(2-chloroethyl)ether     | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Bis(2-ethylhexyl) phthalate | ND     |           | 25 | 11  | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Butyl benzyl phthalate      | ND     |           | 25 | 5.0 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Caprolactam                 | ND     |           | 25 | 11  | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Carbazole                   | ND     |           | 25 | 1.5 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Chrysene                    | ND     | F2        | 25 | 1.7 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Dibenz(a,h)anthracene       | ND     | F2        | 25 | 2.1 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Dibenzofuran                | ND     |           | 50 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Diethyl phthalate           | ND     |           | 25 | 1.1 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Dimethyl phthalate          | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Di-n-butyl phthalate        | ND     |           | 25 | 1.6 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Di-n-octyl phthalate        | ND     | F2        | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Fluoranthene                | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Fluorene                    | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Hexachlorobenzene           | ND     | F2        | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Hexachlorobutadiene         | ND     |           | 25 | 3.4 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Hexachlorocyclopentadiene   | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Hexachloroethane            | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Indeno(1,2,3-cd)pyrene      | ND     | F2        | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Isophorone                  | ND     |           | 25 | 2.2 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Naphthalene                 | ND     |           | 25 | 3.8 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Nitrobenzene                | ND     |           | 25 | 1.5 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| N-Nitrosodi-n-propylamine   | ND     |           | 25 | 2.7 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| N-Nitrosodiphenylamine      | ND     | F2        | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Pentachlorophenol           | ND     |           | 50 | 11  | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Phenanthrene                | ND     |           | 25 | 2.2 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Phenol                      | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Pyrene                      | ND     |           | 25 | 1.7 | ug/L |   | 06/11/19 15:14 | 06/17/19 23:48 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 88        |           | 41 - 120 | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 2-Fluorobiphenyl     | 85        |           | 48 - 120 | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| 2-Fluorophenol       | 57        |           | 35 - 120 | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Nitrobenzene-d5      | 70        |           | 46 - 120 | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| Phenol-d5            | 44        |           | 22 - 120 | 06/11/19 15:14 | 06/17/19 23:48 | 5       |
| p-Terphenyl-d14      | 75        |           | 59 - 136 | 06/11/19 15:14 | 06/17/19 23:48 | 5       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.21 | 0.21 | mg/L |   | 06/11/19 07:54 | 06/12/19 10:12 | 1       |
| Kerosene             | ND     |           | 0.52 | 0.52 | mg/L |   | 06/11/19 07:54 | 06/12/19 10:12 | 1       |
| Motor Oil            | 3.0    |           | 1.0  | 1.0  | mg/L |   | 06/11/19 07:54 | 06/12/19 10:12 | 1       |
| Fuel Oil #2          | ND     | F1        | 0.52 | 0.52 | mg/L |   | 06/11/19 07:54 | 06/12/19 10:12 | 1       |
| Fuel Oil #4          | ND     |           | 0.52 | 0.52 | mg/L |   | 06/11/19 07:54 | 06/12/19 10:12 | 1       |
| Fuel Oil #6          | ND     |           | 0.52 | 0.52 | mg/L |   | 06/11/19 07:54 | 06/12/19 10:12 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.21 | 0.21 | mg/L |   | 06/11/19 07:54 | 06/12/19 10:12 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte  | Result | Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDD | ND     | F2        | 0.053 | 0.0098 | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

Client Sample ID: DEEPSUMP

Lab Sample ID: 480-154627-3

Date Collected: 06/06/19 12:30

Matrix: Water

Date Received: 06/06/19 15:55

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

| Analyte             | Result | Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     | F2        | 0.053 | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| 4,4'-DDT            | 0.031  | J F1 F2   | 0.053 | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| Aldrin              | ND     | F2        | 0.053 | 0.0086 | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| alpha-BHC           | ND     |           | 0.053 | 0.0082 | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| cis-Chlordane       | ND     | F2        | 0.053 | 0.016  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| beta-BHC            | ND     |           | 0.053 | 0.026  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| delta-BHC           | 0.016  | J B       | 0.053 | 0.011  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| Dieldrin            | ND     |           | 0.053 | 0.010  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| Endosulfan I        | ND     |           | 0.053 | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| Endosulfan II       | ND     |           | 0.053 | 0.013  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| Endosulfan sulfate  | ND     |           | 0.053 | 0.017  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| Endrin              | ND     | F2        | 0.053 | 0.015  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| Endrin aldehyde     | ND     |           | 0.053 | 0.017  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| Endrin ketone       | 0.024  | J         | 0.053 | 0.013  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| gamma-BHC (Lindane) | 0.016  | J         | 0.053 | 0.0085 | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| trans-Chlordane     | 0.014  | J F2      | 0.053 | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| Heptachlor          | ND     | F1 F2     | 0.053 | 0.0090 | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| Heptachlor epoxide  | ND     | F2        | 0.053 | 0.0079 | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| Methoxychlor        | ND     | F2        | 0.053 | 0.015  | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| Toxaphene           | ND     |           | 0.53  | 0.13   | ug/L |   | 06/11/19 06:22 | 06/12/19 13:33 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 48        |           | 20 - 120 | 06/11/19 06:22 | 06/12/19 13:33 | 1       |
| Tetrachloro-m-xylene   | 74        |           | 44 - 120 | 06/11/19 06:22 | 06/12/19 13:33 | 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 |   | 06/11/19 15:01 | 06/12/19 18:08 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 18:08 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 18:08 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 18:08 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 18:08 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 18:08 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 18:08 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 18:08 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 18:08 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 66        |           | 39 - 121 | 06/11/19 15:01 | 06/12/19 18:08 | 1       |
| DCB Decachlorobiphenyl | 44        |           | 19 - 120 | 06/11/19 15:01 | 06/12/19 18:08 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Barium    | 0.033  |           | 0.0020 | 0.00070 | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Calcium   | 79.1   |           | 0.50   | 0.10    | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154627-1

Client Sample ID: DEEPSUMP

Lab Sample ID: 480-154627-3

Date Collected: 06/06/19 12:30

Matrix: Water

Date Received: 06/06/19 15:55

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Chromium  | ND     |           | 0.0040 | 0.0010  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Copper    | 0.0099 | J         | 0.010  | 0.0016  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Iron      | 0.030  | J         | 0.050  | 0.019   | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Magnesium | 6.8    |           | 0.20   | 0.043   | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Manganese | 0.054  |           | 0.0030 | 0.00040 | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Nickel    | 0.0024 | J         | 0.010  | 0.0013  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Potassium | 2.8    |           | 0.50   | 0.10    | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Sodium    | 11.8   |           | 1.0    | 0.32    | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |
| Zinc      | 0.023  |           | 0.010  | 0.0015  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:02 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L |   | 06/10/19 11:39 | 06/10/19 14:27 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

Client Sample ID: DEEPSUMP DUP

Lab Sample ID: 480-154627-4

Date Collected: 06/06/19 12:30

Matrix: Water

Date Received: 06/06/19 15:55

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

| Analyte                               | Result       | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------------|-----------|-----|------|------|---|----------|----------------|---------|
| <b>1,1,1-Trichloroethane</b>          | <b>47</b>    |           | 2.0 | 1.6  | ug/L |   |          | 06/09/19 11:40 | 2       |
| 1,1,2,2-Tetrachloroethane             | ND           |           | 2.0 | 0.42 | ug/L |   |          | 06/09/19 11:40 | 2       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND           |           | 2.0 | 0.62 | ug/L |   |          | 06/09/19 11:40 | 2       |
| 1,1,2-Trichloroethane                 | ND           |           | 2.0 | 0.46 | ug/L |   |          | 06/09/19 11:40 | 2       |
| <b>1,1-Dichloroethane</b>             | <b>50</b>    |           | 2.0 | 0.76 | ug/L |   |          | 06/09/19 11:40 | 2       |
| <b>1,1-Dichloroethene</b>             | <b>1.5 J</b> |           | 2.0 | 0.58 | ug/L |   |          | 06/09/19 11:40 | 2       |
| 1,2,4-Trichlorobenzene                | ND           |           | 2.0 | 0.82 | ug/L |   |          | 06/09/19 11:40 | 2       |
| 1,2-Dibromo-3-Chloropropane           | ND           |           | 2.0 | 0.78 | ug/L |   |          | 06/09/19 11:40 | 2       |
| 1,2-Dibromoethane                     | ND           |           | 2.0 | 1.5  | ug/L |   |          | 06/09/19 11:40 | 2       |
| 1,2-Dichlorobenzene                   | ND           |           | 2.0 | 1.6  | ug/L |   |          | 06/09/19 11:40 | 2       |
| 1,2-Dichloroethane                    | ND           |           | 2.0 | 0.42 | ug/L |   |          | 06/09/19 11:40 | 2       |
| 1,2-Dichloropropane                   | ND           |           | 2.0 | 1.4  | ug/L |   |          | 06/09/19 11:40 | 2       |
| 1,3-Dichlorobenzene                   | ND           |           | 2.0 | 1.6  | ug/L |   |          | 06/09/19 11:40 | 2       |
| 1,4-Dichlorobenzene                   | ND           |           | 2.0 | 1.7  | ug/L |   |          | 06/09/19 11:40 | 2       |
| 2-Butanone (MEK)                      | ND           |           | 20  | 2.6  | ug/L |   |          | 06/09/19 11:40 | 2       |
| 2-Hexanone                            | ND           |           | 10  | 2.5  | ug/L |   |          | 06/09/19 11:40 | 2       |
| 4-Methyl-2-pentanone (MIBK)           | ND           |           | 10  | 4.2  | ug/L |   |          | 06/09/19 11:40 | 2       |
| Acetone                               | ND           |           | 20  | 6.0  | ug/L |   |          | 06/09/19 11:40 | 2       |
| Benzene                               | ND           |           | 2.0 | 0.82 | ug/L |   |          | 06/09/19 11:40 | 2       |
| Bromodichloromethane                  | ND           |           | 2.0 | 0.78 | ug/L |   |          | 06/09/19 11:40 | 2       |
| Bromoform                             | ND           |           | 2.0 | 0.52 | ug/L |   |          | 06/09/19 11:40 | 2       |
| Bromomethane                          | ND           |           | 2.0 | 1.4  | ug/L |   |          | 06/09/19 11:40 | 2       |
| Carbon disulfide                      | ND           |           | 2.0 | 0.38 | ug/L |   |          | 06/09/19 11:40 | 2       |
| Carbon tetrachloride                  | ND           |           | 2.0 | 0.54 | ug/L |   |          | 06/09/19 11:40 | 2       |
| Chlorobenzene                         | ND           |           | 2.0 | 1.5  | ug/L |   |          | 06/09/19 11:40 | 2       |
| <b>Chloroethane</b>                   | <b>11</b>    |           | 2.0 | 0.64 | ug/L |   |          | 06/09/19 11:40 | 2       |
| Chloroform                            | ND           |           | 2.0 | 0.68 | ug/L |   |          | 06/09/19 11:40 | 2       |
| Chloromethane                         | ND           |           | 2.0 | 0.70 | ug/L |   |          | 06/09/19 11:40 | 2       |
| <b>cis-1,2-Dichloroethene</b>         | <b>69</b>    |           | 2.0 | 1.6  | ug/L |   |          | 06/09/19 11:40 | 2       |
| cis-1,3-Dichloropropene               | ND           |           | 2.0 | 0.72 | ug/L |   |          | 06/09/19 11:40 | 2       |
| Cyclohexane                           | ND           |           | 2.0 | 0.36 | ug/L |   |          | 06/09/19 11:40 | 2       |
| Dibromochloromethane                  | ND           |           | 2.0 | 0.64 | ug/L |   |          | 06/09/19 11:40 | 2       |
| Dichlorodifluoromethane               | ND           |           | 2.0 | 1.4  | ug/L |   |          | 06/09/19 11:40 | 2       |
| Ethylbenzene                          | ND           |           | 2.0 | 1.5  | ug/L |   |          | 06/09/19 11:40 | 2       |
| Isopropylbenzene                      | ND           |           | 2.0 | 1.6  | ug/L |   |          | 06/09/19 11:40 | 2       |
| Methyl acetate                        | ND           |           | 5.0 | 2.6  | ug/L |   |          | 06/09/19 11:40 | 2       |
| Methyl tert-butyl ether               | ND           |           | 2.0 | 0.32 | ug/L |   |          | 06/09/19 11:40 | 2       |
| Methylcyclohexane                     | ND           |           | 2.0 | 0.32 | ug/L |   |          | 06/09/19 11:40 | 2       |
| Methylene Chloride                    | ND           |           | 2.0 | 0.88 | ug/L |   |          | 06/09/19 11:40 | 2       |
| Styrene                               | ND           |           | 2.0 | 1.5  | ug/L |   |          | 06/09/19 11:40 | 2       |
| Tetrachloroethene                     | ND           |           | 2.0 | 0.72 | ug/L |   |          | 06/09/19 11:40 | 2       |
| Toluene                               | ND           |           | 2.0 | 1.0  | ug/L |   |          | 06/09/19 11:40 | 2       |
| trans-1,2-Dichloroethene              | ND           |           | 2.0 | 1.8  | ug/L |   |          | 06/09/19 11:40 | 2       |
| trans-1,3-Dichloropropene             | ND           |           | 2.0 | 0.74 | ug/L |   |          | 06/09/19 11:40 | 2       |
| <b>Trichloroethene</b>                | <b>9.2</b>   |           | 2.0 | 0.92 | ug/L |   |          | 06/09/19 11:40 | 2       |
| Trichlorofluoromethane                | ND           |           | 2.0 | 1.8  | ug/L |   |          | 06/09/19 11:40 | 2       |
| <b>Vinyl chloride</b>                 | <b>6.0</b>   |           | 2.0 | 1.8  | ug/L |   |          | 06/09/19 11:40 | 2       |
| Xylenes, Total                        | ND           |           | 4.0 | 1.3  | ug/L |   |          | 06/09/19 11:40 | 2       |
| t-Butyl alcohol                       | ND           |           | 20  | 6.6  | ug/L |   |          | 06/09/19 11:40 | 2       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

Client Sample ID: DEEPSUMP DUP

Lab Sample ID: 480-154627-4

Date Collected: 06/06/19 12:30

Matrix: Water

Date Received: 06/06/19 15:55

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 99        |           | 77 - 120 |          | 06/09/19 11:40 | 2       |
| 4-Bromofluorobenzene (Surr)  | 109       |           | 73 - 120 |          | 06/09/19 11:40 | 2       |
| Dibromofluoromethane (Surr)  | 98        |           | 75 - 123 |          | 06/09/19 11:40 | 2       |
| Toluene-d8 (Surr)            | 97        |           | 80 - 120 |          | 06/09/19 11:40 | 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      | 320       | E         | 20       | 10  | ug/L |   | 06/10/19 15:51 | 06/14/19 18:11 | 100     |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 21        |           | 15 - 110 |     |      |   | 06/10/19 15:51 | 06/14/19 18:11 | 100     |

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

| Analyte                       | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 25 | 3.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 25 | 2.5 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 50 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 25 | 2.2 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 2-Chloronaphthalene           | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 2-Chlorophenol                | ND     |           | 25 | 2.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 2-Methylnaphthalene           | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 2-Methylphenol                | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 2-Nitroaniline                | ND     |           | 50 | 2.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 2-Nitrophenol                 | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 3-Nitroaniline                | ND     |           | 50 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 50 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 4-Chloroaniline               | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 4-Methylphenol                | ND     |           | 50 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 4-Nitroaniline                | ND     |           | 50 | 1.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 4-Nitrophenol                 | ND     |           | 50 | 7.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Acenaphthene                  | ND     |           | 25 | 2.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Acenaphthylene                | ND     |           | 25 | 1.9 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Acetophenone                  | ND     |           | 25 | 2.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Anthracene                    | ND     |           | 25 | 1.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Atrazine                      | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Benzaldehyde                  | ND     |           | 25 | 1.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Benzo(a)anthracene            | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Benzo(a)pyrene                | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Benzo(b)fluoranthene          | ND     |           | 25 | 1.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Benzo(g,h,i)perylene          | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 25 | 3.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Biphenyl                      | ND     |           | 25 | 3.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

Client Sample ID: DEEPSUMP DUP

Lab Sample ID: 480-154627-4

Date Collected: 06/06/19 12:30

Matrix: Water

Date Received: 06/06/19 15:55

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

| Analyte                     | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| Bis(2-chloroethyl)ether     | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Bis(2-ethylhexyl) phthalate | ND     |           | 25 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Butyl benzyl phthalate      | ND     |           | 25 | 5.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Caprolactam                 | ND     |           | 25 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Carbazole                   | ND     |           | 25 | 1.5 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Chrysene                    | ND     |           | 25 | 1.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Dibenz(a,h)anthracene       | ND     |           | 25 | 2.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Dibenzofuran                | ND     |           | 50 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Diethyl phthalate           | ND     |           | 25 | 1.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Dimethyl phthalate          | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Di-n-butyl phthalate        | ND     |           | 25 | 1.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Di-n-octyl phthalate        | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Fluoranthene                | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Fluorene                    | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Hexachlorobenzene           | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Hexachlorobutadiene         | ND     |           | 25 | 3.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Hexachlorocyclopentadiene   | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Hexachloroethane            | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Indeno(1,2,3-cd)pyrene      | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Isophorone                  | ND     |           | 25 | 2.2 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Naphthalene                 | ND     |           | 25 | 3.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Nitrobenzene                | ND     |           | 25 | 1.5 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| N-Nitrosodi-n-propylamine   | ND     |           | 25 | 2.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| N-Nitrosodiphenylamine      | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Pentachlorophenol           | ND     |           | 50 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Phenanthrene                | ND     |           | 25 | 2.2 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Phenol                      | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Pyrene                      | ND     |           | 25 | 1.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 02:35 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 71        |           | 41 - 120 | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 2-Fluorobiphenyl     | 67        |           | 48 - 120 | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| 2-Fluorophenol       | 44        |           | 35 - 120 | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Nitrobenzene-d5      | 59        |           | 46 - 120 | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| Phenol-d5            | 31        |           | 22 - 120 | 06/11/19 15:14 | 06/18/19 02:35 | 5       |
| p-Terphenyl-d14      | 53        | X         | 59 - 136 | 06/11/19 15:14 | 06/18/19 02:35 | 5       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.21 | 0.21 | mg/L |   | 06/11/19 07:54 | 06/12/19 12:00 | 1       |
| Kerosene             | ND     |           | 0.52 | 0.52 | mg/L |   | 06/11/19 07:54 | 06/12/19 12:00 | 1       |
| Motor Oil            | 4.2    |           | 1.0  | 1.0  | mg/L |   | 06/11/19 07:54 | 06/12/19 12:00 | 1       |
| Fuel Oil #2          | ND     |           | 0.52 | 0.52 | mg/L |   | 06/11/19 07:54 | 06/12/19 12:00 | 1       |
| Fuel Oil #4          | ND     |           | 0.52 | 0.52 | mg/L |   | 06/11/19 07:54 | 06/12/19 12:00 | 1       |
| Fuel Oil #6          | ND     |           | 0.52 | 0.52 | mg/L |   | 06/11/19 07:54 | 06/12/19 12:00 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.21 | 0.21 | mg/L |   | 06/11/19 07:54 | 06/12/19 12:00 | 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 |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

Client Sample ID: DEEPSUMP DUP

Lab Sample ID: 480-154627-4

Date Collected: 06/06/19 12:30

Matrix: Water

Date Received: 06/06/19 15:55

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

| Analyte             | Result | Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| 4,4'-DDT            | ND     |           | 0.050 | 0.011  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| alpha-BHC           | ND     |           | 0.050 | 0.0077 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| delta-BHC           | 0.018  | J B       | 0.050 | 0.010  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| Dieldrin            | 0.018  | J         | 0.050 | 0.0098 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| Endrin aldehyde     | 0.030  | J         | 0.050 | 0.016  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| gamma-BHC (Lindane) | 0.017  | J         | 0.050 | 0.0080 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| trans-Chlordane     | 0.013  | J         | 0.050 | 0.011  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| Heptachlor          | ND     |           | 0.050 | 0.0085 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| Heptachlor epoxide  | ND     |           | 0.050 | 0.0074 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| Methoxychlor        | ND     |           | 0.050 | 0.014  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| Toxaphene           | ND     |           | 0.50  | 0.12   | ug/L |   | 06/11/19 06:22 | 06/12/19 14:13 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 36        |           | 20 - 120 | 06/11/19 06:22 | 06/12/19 14:13 | 1       |
| Tetrachloro-m-xylene   | 65        |           | 44 - 120 | 06/11/19 06:22 | 06/12/19 14:13 | 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 |   | 06/11/19 15:01 | 06/12/19 20:37 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:37 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:37 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:37 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:37 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:37 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:37 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:37 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:37 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 46        |           | 39 - 121 | 06/11/19 15:01 | 06/12/19 20:37 | 1       |
| DCB Decachlorobiphenyl | 25        |           | 19 - 120 | 06/11/19 15:01 | 06/12/19 20:37 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Barium    | 0.033  |           | 0.0020 | 0.00070 | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Calcium   | 85.6   |           | 0.50   | 0.10    | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154627-1

Client Sample ID: DEEPSUMP DUP

Lab Sample ID: 480-154627-4

Date Collected: 06/06/19 12:30

Matrix: Water

Date Received: 06/06/19 15:55

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Chromium  | 0.0014 | J         | 0.0040 | 0.0010  | mg/L | — | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Copper    | 0.0035 | J         | 0.010  | 0.0016  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Iron      | 0.78   |           | 0.050  | 0.019   | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Magnesium | 8.5    |           | 0.20   | 0.043   | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Manganese | 0.17   |           | 0.0030 | 0.00040 | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Nickel    | 0.0026 | J         | 0.010  | 0.0013  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Potassium | 2.7    |           | 0.50   | 0.10    | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Sodium    | 15.8   |           | 1.0    | 0.32    | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |
| Zinc      | 0.023  |           | 0.010  | 0.0015  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:31 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L | — | 06/10/19 11:39 | 06/10/19 14:35 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

Client Sample ID: MW-4-02

Lab Sample ID: 480-154627-5

Date Collected: 06/06/19 14:30

Matrix: Water

Date Received: 06/06/19 15:55

## 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 |   |          | 06/08/19 17:44 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.0 | 0.21 | ug/L |   |          | 06/08/19 17:44 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 1.0 | 0.31 | ug/L |   |          | 06/08/19 17:44 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | 0.23 | ug/L |   |          | 06/08/19 17:44 | 1       |
| 1,1-Dichloroethane                    | 31     |           | 1.0 | 0.38 | ug/L |   |          | 06/08/19 17:44 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | 0.29 | ug/L |   |          | 06/08/19 17:44 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 1.0 | 0.41 | ug/L |   |          | 06/08/19 17:44 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 1.0 | 0.39 | ug/L |   |          | 06/08/19 17:44 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | 0.73 | ug/L |   |          | 06/08/19 17:44 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | 0.79 | ug/L |   |          | 06/08/19 17:44 | 1       |
| 1,2-Dichloroethane                    | 0.25   | J         | 1.0 | 0.21 | ug/L |   |          | 06/08/19 17:44 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | 0.72 | ug/L |   |          | 06/08/19 17:44 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | 0.78 | ug/L |   |          | 06/08/19 17:44 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | 0.84 | ug/L |   |          | 06/08/19 17:44 | 1       |
| 2-Butanone (MEK)                      | ND     |           | 10  | 1.3  | ug/L |   |          | 06/08/19 17:44 | 1       |
| 2-Hexanone                            | ND     |           | 5.0 | 1.2  | ug/L |   |          | 06/08/19 17:44 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND     |           | 5.0 | 2.1  | ug/L |   |          | 06/08/19 17:44 | 1       |
| Acetone                               | ND     |           | 10  | 3.0  | ug/L |   |          | 06/08/19 17:44 | 1       |
| Benzene                               | 0.96   | J         | 1.0 | 0.41 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | 0.39 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Bromoform                             | ND     |           | 1.0 | 0.26 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Bromomethane                          | ND     |           | 1.0 | 0.69 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Carbon disulfide                      | ND     |           | 1.0 | 0.19 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | 0.27 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | 0.75 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Chloroethane                          | 17     |           | 1.0 | 0.32 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Chloroform                            | ND     |           | 1.0 | 0.34 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Chloromethane                         | ND     |           | 1.0 | 0.35 | ug/L |   |          | 06/08/19 17:44 | 1       |
| cis-1,2-Dichloroethene                | 21     |           | 1.0 | 0.81 | ug/L |   |          | 06/08/19 17:44 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | 0.36 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Cyclohexane                           | 0.85   | J         | 1.0 | 0.18 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Dibromochloromethane                  | ND     |           | 1.0 | 0.32 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Dichlorodifluoromethane               | ND     |           | 1.0 | 0.68 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | 0.74 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | 0.79 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Methyl acetate                        | ND     |           | 2.5 | 1.3  | ug/L |   |          | 06/08/19 17:44 | 1       |
| Methyl tert-butyl ether               | ND     |           | 1.0 | 0.16 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Methylcyclohexane                     | 0.75   | J         | 1.0 | 0.16 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Methylene Chloride                    | ND     |           | 1.0 | 0.44 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Styrene                               | ND     |           | 1.0 | 0.73 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Tetrachloroethene                     | ND     |           | 1.0 | 0.36 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Toluene                               | ND     |           | 1.0 | 0.51 | ug/L |   |          | 06/08/19 17:44 | 1       |
| trans-1,2-Dichloroethene              | ND     |           | 1.0 | 0.90 | ug/L |   |          | 06/08/19 17:44 | 1       |
| trans-1,3-Dichloropropene             | ND     |           | 1.0 | 0.37 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Trichloroethene                       | 0.92   | J         | 1.0 | 0.46 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Trichlorofluoromethane                | ND     |           | 1.0 | 0.88 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Vinyl chloride                        | 15     |           | 1.0 | 0.90 | ug/L |   |          | 06/08/19 17:44 | 1       |
| Xylenes, Total                        | ND     |           | 2.0 | 0.66 | ug/L |   |          | 06/08/19 17:44 | 1       |
| t-Butyl alcohol                       | ND     |           | 10  | 3.3  | ug/L |   |          | 06/08/19 17:44 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

Client Sample ID: MW-4-02

Lab Sample ID: 480-154627-5

Date Collected: 06/06/19 14:30

Matrix: Water

Date Received: 06/06/19 15:55

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 108       |           | 77 - 120 |          | 06/08/19 17:44 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 73 - 120 |          | 06/08/19 17:44 | 1       |
| Dibromofluoromethane (Surr)  | 103       |           | 75 - 123 |          | 06/08/19 17:44 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 06/08/19 17:44 | 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      | 30        | E         | 4.0      | 2.0 | ug/L |   | 06/10/19 15:51 | 06/12/19 18:57 | 20      |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 24        |           | 15 - 110 |     |      |   | 06/10/19 15:51 | 06/12/19 18:57 | 20      |

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

| Analyte                       | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 25 | 3.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 25 | 2.5 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 50 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 25 | 2.2 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 2-Chloronaphthalene           | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 2-Chlorophenol                | ND     |           | 25 | 2.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 2-Methylnaphthalene           | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 2-Methylphenol                | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 2-Nitroaniline                | ND     |           | 50 | 2.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 2-Nitrophenol                 | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 3-Nitroaniline                | ND     |           | 50 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 50 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 4-Chloroaniline               | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 4-Methylphenol                | ND     |           | 50 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 4-Nitroaniline                | ND     |           | 50 | 1.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 4-Nitrophenol                 | ND     |           | 50 | 7.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Acenaphthene                  | ND     |           | 25 | 2.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Acenaphthylene                | ND     |           | 25 | 1.9 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Acetophenone                  | ND     |           | 25 | 2.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Anthracene                    | ND     |           | 25 | 1.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Atrazine                      | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Benzaldehyde                  | ND     |           | 25 | 1.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Benzo(a)anthracene            | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Benzo(a)pyrene                | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Benzo(b)fluoranthene          | ND     |           | 25 | 1.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Benzo(g,h,i)perylene          | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 25 | 3.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Biphenyl                      | ND     |           | 25 | 3.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

Client Sample ID: MW-4-02

Lab Sample ID: 480-154627-5

Date Collected: 06/06/19 14:30

Matrix: Water

Date Received: 06/06/19 15:55

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

| Analyte                     | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| Bis(2-chloroethyl)ether     | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Bis(2-ethylhexyl) phthalate | ND     |           | 25 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Butyl benzyl phthalate      | ND     |           | 25 | 5.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Caprolactam                 | ND     |           | 25 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Carbazole                   | ND     |           | 25 | 1.5 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Chrysene                    | ND     |           | 25 | 1.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Dibenz(a,h)anthracene       | ND     |           | 25 | 2.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Dibenzofuran                | ND     |           | 50 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Diethyl phthalate           | ND     |           | 25 | 1.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Dimethyl phthalate          | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Di-n-butyl phthalate        | ND     |           | 25 | 1.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Di-n-octyl phthalate        | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Fluoranthene                | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Fluorene                    | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Hexachlorobenzene           | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Hexachlorobutadiene         | ND     |           | 25 | 3.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Hexachlorocyclopentadiene   | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Hexachloroethane            | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Indeno(1,2,3-cd)pyrene      | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Isophorone                  | ND     |           | 25 | 2.2 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Naphthalene                 | ND     |           | 25 | 3.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Nitrobenzene                | ND     |           | 25 | 1.5 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| N-Nitrosodi-n-propylamine   | ND     |           | 25 | 2.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| N-Nitrosodiphenylamine      | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Pentachlorophenol           | ND     |           | 50 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Phenanthrene                | ND     |           | 25 | 2.2 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Phenol                      | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Pyrene                      | 1.7    | J         | 25 | 1.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 03:03 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 101       |           | 41 - 120 | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 2-Fluorobiphenyl     | 92        |           | 48 - 120 | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| 2-Fluorophenol       | 62        |           | 35 - 120 | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Nitrobenzene-d5      | 81        |           | 46 - 120 | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| Phenol-d5            | 41        |           | 22 - 120 | 06/11/19 15:14 | 06/18/19 03:03 | 5       |
| p-Terphenyl-d14      | 78        |           | 59 - 136 | 06/11/19 15:14 | 06/18/19 03:03 | 5       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.19 | 0.19 | mg/L |   | 06/11/19 07:54 | 06/12/19 12:35 | 1       |
| Kerosene             | ND     |           | 0.48 | 0.48 | mg/L |   | 06/11/19 07:54 | 06/12/19 12:35 | 1       |
| Motor Oil            | 32     |           | 0.96 | 0.96 | mg/L |   | 06/11/19 07:54 | 06/12/19 12:35 | 1       |
| Fuel Oil #2          | ND     |           | 0.48 | 0.48 | mg/L |   | 06/11/19 07:54 | 06/12/19 12:35 | 1       |
| Fuel Oil #4          | ND     |           | 0.48 | 0.48 | mg/L |   | 06/11/19 07:54 | 06/12/19 12:35 | 1       |
| Fuel Oil #6          | ND     |           | 0.48 | 0.48 | mg/L |   | 06/11/19 07:54 | 06/12/19 12:35 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.19 | 0.19 | mg/L |   | 06/11/19 07:54 | 06/12/19 12:35 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte  | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 4,4'-DDD | ND     |           | 0.25 | 0.046 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

Client Sample ID: MW-4-02

Lab Sample ID: 480-154627-5

Date Collected: 06/06/19 14:30

Matrix: Water

Date Received: 06/06/19 15:55

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

| Analyte             | Result | Qualifier | RL   | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-------|------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 0.25 | 0.058 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| 4,4'-DDT            | ND     |           | 0.25 | 0.055 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| Aldrin              | ND     |           | 0.25 | 0.041 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| alpha-BHC           | 0.043  | J         | 0.25 | 0.039 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| cis-Chlordane       | ND     |           | 0.25 | 0.074 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| beta-BHC            | ND     |           | 0.25 | 0.12  | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| delta-BHC           | 0.056  | J B       | 0.25 | 0.050 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| Dieldrin            | ND     |           | 0.25 | 0.049 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| Endosulfan I        | ND     |           | 0.25 | 0.055 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| Endosulfan II       | ND     |           | 0.25 | 0.060 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| Endosulfan sulfate  | ND     |           | 0.25 | 0.079 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| Endrin              | ND     |           | 0.25 | 0.069 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| Endrin aldehyde     | ND     |           | 0.25 | 0.082 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| Endrin ketone       | ND     |           | 0.25 | 0.060 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| gamma-BHC (Lindane) | ND     |           | 0.25 | 0.040 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| trans-Chlordane     | ND     |           | 0.25 | 0.055 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| Heptachlor          | ND     |           | 0.25 | 0.043 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| Heptachlor epoxide  | ND     |           | 0.25 | 0.037 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| Methoxychlor        | ND     |           | 0.25 | 0.071 | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| Toxaphene           | ND     |           | 2.5  | 0.60  | ug/L |   | 06/11/19 06:22 | 06/12/19 15:11 | 5       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 43        |           | 20 - 120 | 06/11/19 06:22 | 06/12/19 15:11 | 5       |
| Tetrachloro-m-xylene   | 92        |           | 44 - 120 | 06/11/19 06:22 | 06/12/19 15:11 | 5       |

## 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 |   | 06/11/19 15:01 | 06/12/19 20:50 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:50 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:50 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:50 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:50 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:50 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:50 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:50 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 20:50 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 72        |           | 39 - 121 | 06/11/19 15:01 | 06/12/19 20:50 | 1       |
| DCB Decachlorobiphenyl | 36        |           | 19 - 120 | 06/11/19 15:01 | 06/12/19 20:50 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Barium    | 0.021  |           | 0.0020 | 0.00070 | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Calcium   | 85.0   |           | 0.50   | 0.10    | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154627-1

Client Sample ID: MW-4-02

Lab Sample ID: 480-154627-5

Date Collected: 06/06/19 14:30

Matrix: Water

Date Received: 06/06/19 15:55

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Chromium  | 0.0011 | J         | 0.0040 | 0.0010  | mg/L | — | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Iron      | 1.7    |           | 0.050  | 0.019   | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Magnesium | 10.2   |           | 0.20   | 0.043   | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Manganese | 0.63   |           | 0.0030 | 0.00040 | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Nickel    | ND     |           | 0.010  | 0.0013  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Potassium | 2.6    |           | 0.50   | 0.10    | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Sodium    | 20.5   |           | 1.0    | 0.32    | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 06/11/19 07:40 | 06/11/19 16:34 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L | — | 06/10/19 11:39 | 06/10/19 14:36 | 1       |

# Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID    | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                 |
|------------------|--------------------|------------------------------------------------|-----------------|------------------|-----------------|
|                  |                    | DCA<br>(77-120)                                | BFB<br>(73-120) | DBFM<br>(75-123) | TOL<br>(80-120) |
| 480-154627-3     | DEEPSUMP           | 97                                             | 105             | 97               | 93              |
| 480-154627-3 MS  | DEEPSUMP           | 96                                             | 109             | 99               | 95              |
| 480-154627-3 MSD | DEEPSUMP           | 94                                             | 107             | 100              | 96              |
| 480-154627-4     | DEEPSUMP DUP       | 99                                             | 109             | 98               | 97              |
| 480-154627-5     | MW-4-02            | 108                                            | 96              | 103              | 100             |
| LCS 480-476861/5 | Lab Control Sample | 106                                            | 97              | 107              | 99              |
| LCS 480-476891/5 | Lab Control Sample | 96                                             | 107             | 100              | 98              |
| MB 480-476861/7  | Method Blank       | 110                                            | 95              | 105              | 102             |
| MB 480-476891/7  | Method Blank       | 100                                            | 98              | 102              | 98              |

**Surrogate Legend**

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane (Surr)  
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                 |                 |                    |
|--------------------|--------------------|------------------------------------------------|-----------------|-----------------|-----------------|-----------------|--------------------|
|                    |                    | TBP<br>(41-120)                                | FBP<br>(48-120) | 2FP<br>(35-120) | NBZ<br>(46-120) | PHL<br>(22-120) | TPHd14<br>(59-136) |
| 480-154627-3       | DEEPSUMP           | 88                                             | 85              | 57              | 70              | 44              | 75                 |
| 480-154627-3 MS    | DEEPSUMP           | 89                                             | 76              | 41              | 68              | 33              | 45 X               |
| 480-154627-3 MSD   | DEEPSUMP           | 97                                             | 87              | 55              | 75              | 45              | 53 X               |
| 480-154627-4       | DEEPSUMP DUP       | 71                                             | 67              | 44              | 59              | 31              | 53 X               |
| 480-154627-5       | MW-4-02            | 101                                            | 92              | 62              | 81              | 41              | 78                 |
| LCS 480-477249/2-A | Lab Control Sample | 103                                            | 96              | 70              | 87              | 54              | 98                 |
| MB 480-477249/1-A  | Method Blank       | 92                                             | 101             | 70              | 91              | 51              | 101                |

**Surrogate Legend**

TBP = 2,4,6-Tribromophenol  
FBP = 2-Fluorobiphenyl  
2FP = 2-Fluorophenol  
NBZ = Nitrobenzene-d5  
PHL = Phenol-d5  
TPHd14 = p-Terphenyl-d14

## Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                  |
|--------------------|--------------------|------------------------------------------------|------------------|
|                    |                    | DCBP1<br>(20-120)                              | TCX1<br>(44-120) |
| 480-154627-1       | MW-2-10            | 22                                             | 73               |
| 480-154627-3       | DEEPSUMP           | 48                                             | 74               |
| 480-154627-3 MS    | DEEPSUMP           | 48                                             | 58               |
| 480-154627-3 MSD   | DEEPSUMP           | 55                                             | 69               |
| 480-154627-4       | DEEPSUMP DUP       | 36                                             | 65               |
| 480-154627-5       | MW-4-02            | 43                                             | 92               |
| LCS 480-477134/2-A | Lab Control Sample | 31                                             | 71               |

Eurofins TestAmerica, Buffalo

## Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154627-1

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

Matrix: Water

Prep Type: Total/NA

|                               |                  | Percent Surrogate Recovery (Acceptance Limits) |                  |
|-------------------------------|------------------|------------------------------------------------|------------------|
| Lab Sample ID                 | Client Sample ID | DCBP1<br>(20-120)                              | TCX1<br>(44-120) |
| MB 480-477134/1-A             | Method Blank     | 44                                             | 82               |
| <b>Surrogate Legend</b>       |                  |                                                |                  |
| DCBP = DCB Decachlorobiphenyl |                  |                                                |                  |
| TCX = Tetrachloro-m-xylene    |                  |                                                |                  |

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

Matrix: Water

Prep Type: Total/NA

|                               |                    | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------------|--------------------|------------------------------------------------|-------------------|
| Lab Sample ID                 | Client Sample ID   | TCX1<br>(39-121)                               | DCBP1<br>(19-120) |
| 480-154627-1                  | MW-2-10            | 77                                             | 34                |
| 480-154627-3                  | DEEPSUMP           | 66                                             | 44                |
| 480-154627-3 MS               | DEEPSUMP           | 53                                             | 28                |
| 480-154627-3 MSD              | DEEPSUMP           | 65                                             | 37                |
| 480-154627-4                  | DEEPSUMP DUP       | 46                                             | 25                |
| 480-154627-5                  | MW-4-02            | 72                                             | 36                |
| LCS 480-477245/2-A            | Lab Control Sample | 80                                             | 43                |
| MB 480-477245/1-A             | Method Blank       | 79                                             | 49                |
| <b>Surrogate Legend</b>       |                    |                                                |                   |
| TCX = Tetrachloro-m-xylene    |                    |                                                |                   |
| DCBP = DCB Decachlorobiphenyl |                    |                                                |                   |

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Lab Sample ID: MB 480-476861/7

Matrix: Water

Analysis Batch: 476861

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 |   |          | 06/08/19 13:16 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 1.0 | 0.21 | ug/L |   |          | 06/08/19 13:16 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 1.0 | 0.31 | ug/L |   |          | 06/08/19 13:16 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 1.0 | 0.23 | ug/L |   |          | 06/08/19 13:16 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 1.0 | 0.38 | ug/L |   |          | 06/08/19 13:16 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 1.0 | 0.29 | ug/L |   |          | 06/08/19 13:16 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 1.0 | 0.41 | ug/L |   |          | 06/08/19 13:16 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0 | 0.39 | ug/L |   |          | 06/08/19 13:16 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 1.0 | 0.73 | ug/L |   |          | 06/08/19 13:16 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 1.0 | 0.79 | ug/L |   |          | 06/08/19 13:16 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 1.0 | 0.21 | ug/L |   |          | 06/08/19 13:16 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 1.0 | 0.72 | ug/L |   |          | 06/08/19 13:16 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 1.0 | 0.78 | ug/L |   |          | 06/08/19 13:16 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 1.0 | 0.84 | ug/L |   |          | 06/08/19 13:16 | 1       |
| 2-Butanone (MEK)                      | ND        |              | 10  | 1.3  | ug/L |   |          | 06/08/19 13:16 | 1       |
| 2-Hexanone                            | ND        |              | 5.0 | 1.2  | ug/L |   |          | 06/08/19 13:16 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND        |              | 5.0 | 2.1  | ug/L |   |          | 06/08/19 13:16 | 1       |
| Acetone                               | ND        |              | 10  | 3.0  | ug/L |   |          | 06/08/19 13:16 | 1       |
| Benzene                               | ND        |              | 1.0 | 0.41 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Bromodichloromethane                  | ND        |              | 1.0 | 0.39 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Bromoform                             | ND        |              | 1.0 | 0.26 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Bromomethane                          | ND        |              | 1.0 | 0.69 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Carbon disulfide                      | ND        |              | 1.0 | 0.19 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Carbon tetrachloride                  | ND        |              | 1.0 | 0.27 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Chlorobenzene                         | ND        |              | 1.0 | 0.75 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Chloroethane                          | ND        |              | 1.0 | 0.32 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Chloroform                            | ND        |              | 1.0 | 0.34 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Chloromethane                         | ND        |              | 1.0 | 0.35 | ug/L |   |          | 06/08/19 13:16 | 1       |
| cis-1,2-Dichloroethene                | ND        |              | 1.0 | 0.81 | ug/L |   |          | 06/08/19 13:16 | 1       |
| cis-1,3-Dichloropropene               | ND        |              | 1.0 | 0.36 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Cyclohexane                           | ND        |              | 1.0 | 0.18 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Dibromochloromethane                  | ND        |              | 1.0 | 0.32 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Dichlorodifluoromethane               | ND        |              | 1.0 | 0.68 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Ethylbenzene                          | ND        |              | 1.0 | 0.74 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Isopropylbenzene                      | ND        |              | 1.0 | 0.79 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Methyl acetate                        | ND        |              | 2.5 | 1.3  | ug/L |   |          | 06/08/19 13:16 | 1       |
| Methyl tert-butyl ether               | ND        |              | 1.0 | 0.16 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Methylcyclohexane                     | ND        |              | 1.0 | 0.16 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Methylene Chloride                    | ND        |              | 1.0 | 0.44 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Styrene                               | ND        |              | 1.0 | 0.73 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Tetrachloroethene                     | ND        |              | 1.0 | 0.36 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Toluene                               | ND        |              | 1.0 | 0.51 | ug/L |   |          | 06/08/19 13:16 | 1       |
| trans-1,2-Dichloroethene              | ND        |              | 1.0 | 0.90 | ug/L |   |          | 06/08/19 13:16 | 1       |
| trans-1,3-Dichloropropene             | ND        |              | 1.0 | 0.37 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Trichloroethene                       | ND        |              | 1.0 | 0.46 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Trichlorofluoromethane                | ND        |              | 1.0 | 0.88 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Vinyl chloride                        | ND        |              | 1.0 | 0.90 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Xylenes, Total                        | ND        |              | 2.0 | 0.66 | ug/L |   |          | 06/08/19 13:16 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Lab Sample ID: MB 480-476861/7

Matrix: Water

Analysis Batch: 476861

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                      | MB<br>Result    | MB<br>Qualifier | RL       | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------------|-----------------|----------|-----|------|---|----------|----------------|---------|
| t-Butyl alcohol              | ND              |                 | 10       | 3.3 | ug/L |   |          | 06/08/19 13:16 | 1       |
| Surrogate                    | MB<br>%Recovery | MB<br>Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 110             |                 | 77 - 120 |     |      |   |          | 06/08/19 13:16 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95              |                 | 73 - 120 |     |      |   |          | 06/08/19 13:16 | 1       |
| Dibromofluoromethane (Surr)  | 105             |                 | 75 - 123 |     |      |   |          | 06/08/19 13:16 | 1       |
| Toluene-d8 (Surr)            | 102             |                 | 80 - 120 |     |      |   |          | 06/08/19 13:16 | 1       |

Lab Sample ID: LCS 480-476861/5

Matrix: Water

Analysis Batch: 476861

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------------------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 1,1,1-Trichloroethane                 | 25.0           | 21.3          |                  | ug/L |   | 85   | 73 - 126        |
| 1,1,2,2-Tetrachloroethane             | 25.0           | 23.7          |                  | ug/L |   | 95   | 76 - 120        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0           | 19.8          |                  | ug/L |   | 79   | 61 - 148        |
| 1,1,2-Trichloroethane                 | 25.0           | 22.7          |                  | ug/L |   | 91   | 76 - 122        |
| 1,1-Dichloroethane                    | 25.0           | 23.2          |                  | ug/L |   | 93   | 77 - 120        |
| 1,1-Dichloroethene                    | 25.0           | 21.4          |                  | ug/L |   | 86   | 66 - 127        |
| 1,2,4-Trichlorobenzene                | 25.0           | 24.1          |                  | ug/L |   | 96   | 79 - 122        |
| 1,2-Dibromo-3-Chloropropane           | 25.0           | 22.9          |                  | ug/L |   | 92   | 56 - 134        |
| 1,2-Dibromoethane                     | 25.0           | 22.6          |                  | ug/L |   | 91   | 77 - 120        |
| 1,2-Dichlorobenzene                   | 25.0           | 24.6          |                  | ug/L |   | 99   | 80 - 124        |
| 1,2-Dichloroethane                    | 25.0           | 24.4          |                  | ug/L |   | 97   | 75 - 120        |
| 1,2-Dichloropropane                   | 25.0           | 23.6          |                  | ug/L |   | 94   | 76 - 120        |
| 1,3-Dichlorobenzene                   | 25.0           | 23.5          |                  | ug/L |   | 94   | 77 - 120        |
| 1,4-Dichlorobenzene                   | 25.0           | 23.1          |                  | ug/L |   | 93   | 80 - 120        |
| 2-Butanone (MEK)                      | 125            | 115           |                  | ug/L |   | 92   | 57 - 140        |
| 2-Hexanone                            | 125            | 133           |                  | ug/L |   | 107  | 65 - 127        |
| 4-Methyl-2-pentanone (MIBK)           | 125            | 123           |                  | ug/L |   | 98   | 71 - 125        |
| Acetone                               | 125            | 136           |                  | ug/L |   | 109  | 56 - 142        |
| Benzene                               | 25.0           | 23.3          |                  | ug/L |   | 93   | 71 - 124        |
| Bromodichloromethane                  | 25.0           | 22.0          |                  | ug/L |   | 88   | 80 - 122        |
| Bromoform                             | 25.0           | 19.3          |                  | ug/L |   | 77   | 61 - 132        |
| Bromomethane                          | 25.0           | 23.3          |                  | ug/L |   | 93   | 55 - 144        |
| Carbon disulfide                      | 25.0           | 21.5          |                  | ug/L |   | 86   | 59 - 134        |
| Carbon tetrachloride                  | 25.0           | 19.8          |                  | ug/L |   | 79   | 72 - 134        |
| Chlorobenzene                         | 25.0           | 22.7          |                  | ug/L |   | 91   | 80 - 120        |
| Chloroethane                          | 25.0           | 22.6          |                  | ug/L |   | 90   | 69 - 136        |
| Chloroform                            | 25.0           | 21.0          |                  | ug/L |   | 84   | 73 - 127        |
| Chloromethane                         | 25.0           | 24.0          |                  | ug/L |   | 96   | 68 - 124        |
| cis-1,2-Dichloroethene                | 25.0           | 23.9          |                  | ug/L |   | 96   | 74 - 124        |
| cis-1,3-Dichloropropene               | 25.0           | 23.2          |                  | ug/L |   | 93   | 74 - 124        |
| Cyclohexane                           | 25.0           | 19.7          |                  | ug/L |   | 79   | 59 - 135        |
| Dibromochloromethane                  | 25.0           | 20.9          |                  | ug/L |   | 84   | 75 - 125        |
| Dichlorodifluoromethane               | 25.0           | 24.0          |                  | ug/L |   | 96   | 59 - 135        |
| Ethylbenzene                          | 25.0           | 21.9          |                  | ug/L |   | 88   | 77 - 123        |
| Isopropylbenzene                      | 25.0           | 21.7          |                  | ug/L |   | 87   | 77 - 122        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Lab Sample ID: LCS 480-476861/5

Matrix: Water

Analysis Batch: 476861

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Methyl acetate            | 50.0        | 43.7       |               | ug/L |   | 87   | 74 - 133     |
| Methyl tert-butyl ether   | 25.0        | 23.8       |               | ug/L |   | 95   | 77 - 120     |
| Methylcyclohexane         | 25.0        | 19.2       |               | ug/L |   | 77   | 68 - 134     |
| Methylene Chloride        | 25.0        | 22.4       |               | ug/L |   | 89   | 75 - 124     |
| Styrene                   | 25.0        | 22.8       |               | ug/L |   | 91   | 80 - 120     |
| Tetrachloroethene         | 25.0        | 21.6       |               | ug/L |   | 86   | 74 - 122     |
| Toluene                   | 25.0        | 22.4       |               | ug/L |   | 89   | 80 - 122     |
| trans-1,2-Dichloroethene  | 25.0        | 22.5       |               | ug/L |   | 90   | 73 - 127     |
| trans-1,3-Dichloropropene | 25.0        | 22.4       |               | ug/L |   | 89   | 80 - 120     |
| Trichloroethene           | 25.0        | 23.4       |               | ug/L |   | 94   | 74 - 123     |
| Trichlorofluoromethane    | 25.0        | 23.6       |               | ug/L |   | 95   | 62 - 150     |
| Vinyl chloride            | 25.0        | 24.4       |               | ug/L |   | 98   | 65 - 133     |
| t-Butyl alcohol           | 250         | 206        |               | ug/L |   | 82   | 75 - 125     |

| Surrogate                    | %Recovery | LCS Qualifier | LCS Limits |
|------------------------------|-----------|---------------|------------|
| 1,2-Dichloroethane-d4 (Surr) | 106       |               | 77 - 120   |
| 4-Bromofluorobenzene (Surr)  | 97        |               | 73 - 120   |
| Dibromofluoromethane (Surr)  | 107       |               | 75 - 123   |
| Toluene-d8 (Surr)            | 99        |               | 80 - 120   |

Lab Sample ID: MB 480-476891/7

Matrix: Water

Analysis Batch: 476891

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 |   |          | 06/09/19 10:12 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND        |              | 1.0 | 0.21 | ug/L |   |          | 06/09/19 10:12 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND        |              | 1.0 | 0.31 | ug/L |   |          | 06/09/19 10:12 | 1       |
| 1,1,2-Trichloroethane                 | ND        |              | 1.0 | 0.23 | ug/L |   |          | 06/09/19 10:12 | 1       |
| 1,1-Dichloroethane                    | ND        |              | 1.0 | 0.38 | ug/L |   |          | 06/09/19 10:12 | 1       |
| 1,1-Dichloroethene                    | ND        |              | 1.0 | 0.29 | ug/L |   |          | 06/09/19 10:12 | 1       |
| 1,2,4-Trichlorobenzene                | ND        |              | 1.0 | 0.41 | ug/L |   |          | 06/09/19 10:12 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND        |              | 1.0 | 0.39 | ug/L |   |          | 06/09/19 10:12 | 1       |
| 1,2-Dibromoethane                     | ND        |              | 1.0 | 0.73 | ug/L |   |          | 06/09/19 10:12 | 1       |
| 1,2-Dichlorobenzene                   | ND        |              | 1.0 | 0.79 | ug/L |   |          | 06/09/19 10:12 | 1       |
| 1,2-Dichloroethane                    | ND        |              | 1.0 | 0.21 | ug/L |   |          | 06/09/19 10:12 | 1       |
| 1,2-Dichloropropane                   | ND        |              | 1.0 | 0.72 | ug/L |   |          | 06/09/19 10:12 | 1       |
| 1,3-Dichlorobenzene                   | ND        |              | 1.0 | 0.78 | ug/L |   |          | 06/09/19 10:12 | 1       |
| 1,4-Dichlorobenzene                   | ND        |              | 1.0 | 0.84 | ug/L |   |          | 06/09/19 10:12 | 1       |
| 2-Butanone (MEK)                      | ND        |              | 10  | 1.3  | ug/L |   |          | 06/09/19 10:12 | 1       |
| 2-Hexanone                            | ND        |              | 5.0 | 1.2  | ug/L |   |          | 06/09/19 10:12 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND        |              | 5.0 | 2.1  | ug/L |   |          | 06/09/19 10:12 | 1       |
| Acetone                               | ND        |              | 10  | 3.0  | ug/L |   |          | 06/09/19 10:12 | 1       |
| Benzene                               | ND        |              | 1.0 | 0.41 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Bromodichloromethane                  | ND        |              | 1.0 | 0.39 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Bromoform                             | ND        |              | 1.0 | 0.26 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Bromomethane                          | ND        |              | 1.0 | 0.69 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Carbon disulfide                      | ND        |              | 1.0 | 0.19 | ug/L |   |          | 06/09/19 10:12 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Lab Sample ID: MB 480-476891/7

Matrix: Water

Analysis Batch: 476891

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                   | MB<br>Result | MB<br>Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------------|-----------------|-----|------|------|---|----------|----------------|---------|
| Carbon tetrachloride      | ND           |                 | 1.0 | 0.27 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Chlorobenzene             | ND           |                 | 1.0 | 0.75 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Chloroethane              | ND           |                 | 1.0 | 0.32 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Chloroform                | ND           |                 | 1.0 | 0.34 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Chloromethane             | ND           |                 | 1.0 | 0.35 | ug/L |   |          | 06/09/19 10:12 | 1       |
| cis-1,2-Dichloroethene    | ND           |                 | 1.0 | 0.81 | ug/L |   |          | 06/09/19 10:12 | 1       |
| cis-1,3-Dichloropropene   | ND           |                 | 1.0 | 0.36 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Cyclohexane               | ND           |                 | 1.0 | 0.18 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Dibromochloromethane      | ND           |                 | 1.0 | 0.32 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Dichlorodifluoromethane   | ND           |                 | 1.0 | 0.68 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Ethylbenzene              | ND           |                 | 1.0 | 0.74 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Isopropylbenzene          | ND           |                 | 1.0 | 0.79 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Methyl acetate            | ND           |                 | 2.5 | 1.3  | ug/L |   |          | 06/09/19 10:12 | 1       |
| Methyl tert-butyl ether   | ND           |                 | 1.0 | 0.16 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Methylcyclohexane         | ND           |                 | 1.0 | 0.16 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Methylene Chloride        | ND           |                 | 1.0 | 0.44 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Styrene                   | ND           |                 | 1.0 | 0.73 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Tetrachloroethene         | ND           |                 | 1.0 | 0.36 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Toluene                   | ND           |                 | 1.0 | 0.51 | ug/L |   |          | 06/09/19 10:12 | 1       |
| trans-1,2-Dichloroethene  | ND           |                 | 1.0 | 0.90 | ug/L |   |          | 06/09/19 10:12 | 1       |
| trans-1,3-Dichloropropene | ND           |                 | 1.0 | 0.37 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Trichloroethene           | ND           |                 | 1.0 | 0.46 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Trichlorofluoromethane    | ND           |                 | 1.0 | 0.88 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Vinyl chloride            | ND           |                 | 1.0 | 0.90 | ug/L |   |          | 06/09/19 10:12 | 1       |
| Xylenes, Total            | ND           |                 | 2.0 | 0.66 | ug/L |   |          | 06/09/19 10:12 | 1       |
| t-Butyl alcohol           | ND           |                 | 10  | 3.3  | ug/L |   |          | 06/09/19 10:12 | 1       |

| Surrogate                    | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------------|-----------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100             |                 | 77 - 120 |          | 06/09/19 10:12 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98              |                 | 73 - 120 |          | 06/09/19 10:12 | 1       |
| Dibromofluoromethane (Surr)  | 102             |                 | 75 - 123 |          | 06/09/19 10:12 | 1       |
| Toluene-d8 (Surr)            | 98              |                 | 80 - 120 |          | 06/09/19 10:12 | 1       |

Lab Sample ID: LCS 480-476891/5

Matrix: Water

Analysis Batch: 476891

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------------------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 1,1,1-Trichloroethane                 | 25.0           | 21.9          |                  | ug/L |   | 87   | 73 - 126        |
| 1,1,2,2-Tetrachloroethane             | 25.0           | 24.8          |                  | ug/L |   | 99   | 76 - 120        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0           | 19.3          |                  | ug/L |   | 77   | 61 - 148        |
| 1,1,2-Trichloroethane                 | 25.0           | 24.6          |                  | ug/L |   | 98   | 76 - 122        |
| 1,1-Dichloroethane                    | 25.0           | 25.6          |                  | ug/L |   | 102  | 77 - 120        |
| 1,1-Dichloroethene                    | 25.0           | 22.0          |                  | ug/L |   | 88   | 66 - 127        |
| 1,2,4-Trichlorobenzene                | 25.0           | 24.5          |                  | ug/L |   | 98   | 79 - 122        |
| 1,2-Dibromo-3-Chloropropane           | 25.0           | 22.6          |                  | ug/L |   | 91   | 56 - 134        |
| 1,2-Dibromoethane                     | 25.0           | 24.8          |                  | ug/L |   | 99   | 77 - 120        |
| 1,2-Dichlorobenzene                   | 25.0           | 25.7          |                  | ug/L |   | 103  | 80 - 124        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Lab Sample ID: LCS 480-476891/5

Matrix: Water

Analysis Batch: 476891

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|------|---|------|--------------|
| 1,2-Dichloroethane          | 25.0        | 26.7       |               | ug/L |   | 107  | 75 - 120     |
| 1,2-Dichloropropane         | 25.0        | 26.6       |               | ug/L |   | 106  | 76 - 120     |
| 1,3-Dichlorobenzene         | 25.0        | 25.5       |               | ug/L |   | 102  | 77 - 120     |
| 1,4-Dichlorobenzene         | 25.0        | 25.0       |               | ug/L |   | 100  | 80 - 120     |
| 2-Butanone (MEK)            | 125         | 130        |               | ug/L |   | 104  | 57 - 140     |
| 2-Hexanone                  | 125         | 146        |               | ug/L |   | 116  | 65 - 127     |
| 4-Methyl-2-pentanone (MIBK) | 125         | 133        |               | ug/L |   | 107  | 71 - 125     |
| Acetone                     | 125         | 160        |               | ug/L |   | 128  | 56 - 142     |
| Benzene                     | 25.0        | 25.7       |               | ug/L |   | 103  | 71 - 124     |
| Bromodichloromethane        | 25.0        | 24.8       |               | ug/L |   | 99   | 80 - 122     |
| Bromoform                   | 25.0        | 21.5       |               | ug/L |   | 86   | 61 - 132     |
| Bromomethane                | 25.0        | 25.1       |               | ug/L |   | 101  | 55 - 144     |
| Carbon disulfide            | 25.0        | 23.3       |               | ug/L |   | 93   | 59 - 134     |
| Carbon tetrachloride        | 25.0        | 20.2       |               | ug/L |   | 81   | 72 - 134     |
| Chlorobenzene               | 25.0        | 25.3       |               | ug/L |   | 101  | 80 - 120     |
| Chloroethane                | 25.0        | 24.2       |               | ug/L |   | 97   | 69 - 136     |
| Chloroform                  | 25.0        | 23.4       |               | ug/L |   | 93   | 73 - 127     |
| Chloromethane               | 25.0        | 25.6       |               | ug/L |   | 103  | 68 - 124     |
| cis-1,2-Dichloroethene      | 25.0        | 25.3       |               | ug/L |   | 101  | 74 - 124     |
| cis-1,3-Dichloropropene     | 25.0        | 25.3       |               | ug/L |   | 101  | 74 - 124     |
| Cyclohexane                 | 25.0        | 18.6       |               | ug/L |   | 74   | 59 - 135     |
| Dibromochloromethane        | 25.0        | 23.6       |               | ug/L |   | 94   | 75 - 125     |
| Dichlorodifluoromethane     | 25.0        | 26.4       |               | ug/L |   | 106  | 59 - 135     |
| Ethylbenzene                | 25.0        | 24.5       |               | ug/L |   | 98   | 77 - 123     |
| Isopropylbenzene            | 25.0        | 22.5       |               | ug/L |   | 90   | 77 - 122     |
| Methyl acetate              | 50.0        | 50.8       |               | ug/L |   | 102  | 74 - 133     |
| Methyl tert-butyl ether     | 25.0        | 25.1       |               | ug/L |   | 100  | 77 - 120     |
| Methylcyclohexane           | 25.0        | 17.8       |               | ug/L |   | 71   | 68 - 134     |
| Methylene Chloride          | 25.0        | 24.5       |               | ug/L |   | 98   | 75 - 124     |
| Styrene                     | 25.0        | 25.4       |               | ug/L |   | 102  | 80 - 120     |
| Tetrachloroethene           | 25.0        | 22.7       |               | ug/L |   | 91   | 74 - 122     |
| Toluene                     | 25.0        | 24.4       |               | ug/L |   | 98   | 80 - 122     |
| trans-1,2-Dichloroethene    | 25.0        | 24.4       |               | ug/L |   | 98   | 73 - 127     |
| trans-1,3-Dichloropropene   | 25.0        | 24.1       |               | ug/L |   | 96   | 80 - 120     |
| Trichloroethene             | 25.0        | 24.8       |               | ug/L |   | 99   | 74 - 123     |
| Trichlorofluoromethane      | 25.0        | 27.4       |               | ug/L |   | 109  | 62 - 150     |
| Vinyl chloride              | 25.0        | 27.2       |               | ug/L |   | 109  | 65 - 133     |
| t-Butyl alcohol             | 250         | 286        |               | ug/L |   | 114  | 75 - 125     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 96            |               | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 107           |               | 73 - 120 |
| Dibromofluoromethane (Surr)  | 100           |               | 75 - 123 |
| Toluene-d8 (Surr)            | 98            |               | 80 - 120 |



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Lab Sample ID: 480-154627-3 MS

Matrix: Water

Analysis Batch: 476891

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

| Analyte                                 | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 1,1,1-Trichloroethane                   | 44            |                  | 50.0        | 105       |              | ug/L |   | 123  | 73 - 126     |
| 1,1,1,2-Tetrachloroethane               | ND            |                  | 50.0        | 53.4      |              | ug/L |   | 107  | 76 - 120     |
| 1,1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 50.0        | 65.2      |              | ug/L |   | 130  | 61 - 148     |
| 1,1,1,2-Trichloroethane                 | ND            |                  | 50.0        | 51.5      |              | ug/L |   | 103  | 76 - 122     |
| 1,1-Dichloroethane                      | 46            | F1               | 50.0        | 113       | F1           | ug/L |   | 134  | 77 - 120     |
| 1,1-Dichloroethene                      | 1.2           | J F1             | 50.0        | 66.2      | F1           | ug/L |   | 130  | 66 - 127     |
| 1,2,4-Trichlorobenzene                  | ND            |                  | 50.0        | 50.2      |              | ug/L |   | 100  | 79 - 122     |
| 1,2-Dibromo-3-Chloropropane             | ND            |                  | 50.0        | 48.1      |              | ug/L |   | 96   | 56 - 134     |
| 1,2-Dibromoethane                       | ND            |                  | 50.0        | 51.4      |              | ug/L |   | 103  | 77 - 120     |
| 1,2-Dichlorobenzene                     | ND            |                  | 50.0        | 55.0      |              | ug/L |   | 110  | 80 - 124     |
| 1,2-Dichloroethane                      | ND            |                  | 50.0        | 59.9      |              | ug/L |   | 120  | 75 - 120     |
| 1,2-Dichloropropane                     | ND            |                  | 50.0        | 57.7      |              | ug/L |   | 115  | 76 - 120     |
| 1,3-Dichlorobenzene                     | ND            |                  | 50.0        | 54.3      |              | ug/L |   | 109  | 77 - 120     |
| 1,4-Dichlorobenzene                     | ND            |                  | 50.0        | 54.1      |              | ug/L |   | 108  | 78 - 124     |
| 2-Butanone (MEK)                        | ND            |                  | 250         | 254       |              | ug/L |   | 102  | 57 - 140     |
| 2-Hexanone                              | ND            |                  | 250         | 287       |              | ug/L |   | 115  | 65 - 127     |
| 4-Methyl-2-pentanone (MIBK)             | ND            |                  | 250         | 276       |              | ug/L |   | 110  | 71 - 125     |
| Acetone                                 | ND            |                  | 250         | 270       |              | ug/L |   | 108  | 56 - 142     |
| Benzene                                 | ND            |                  | 50.0        | 60.8      |              | ug/L |   | 122  | 71 - 124     |
| Bromodichloromethane                    | ND            |                  | 50.0        | 52.8      |              | ug/L |   | 106  | 80 - 122     |
| Bromoform                               | ND            |                  | 50.0        | 40.2      |              | ug/L |   | 80   | 61 - 132     |
| Bromomethane                            | ND            |                  | 50.0        | 54.9      |              | ug/L |   | 110  | 55 - 144     |
| Carbon disulfide                        | ND            |                  | 50.0        | 58.1      |              | ug/L |   | 116  | 59 - 134     |
| Carbon tetrachloride                    | ND            |                  | 50.0        | 55.1      |              | ug/L |   | 110  | 72 - 134     |
| Chlorobenzene                           | ND            |                  | 50.0        | 55.8      |              | ug/L |   | 112  | 80 - 120     |
| Chloroethane                            | 9.4           |                  | 50.0        | 68.2      |              | ug/L |   | 118  | 69 - 136     |
| Chloroform                              | ND            |                  | 50.0        | 53.3      |              | ug/L |   | 107  | 73 - 127     |
| Chloromethane                           | ND            |                  | 50.0        | 58.0      |              | ug/L |   | 116  | 68 - 124     |
| cis-1,2-Dichloroethene                  | 65            | F1               | 50.0        | 218       | E F1         | ug/L |   | 306  | 74 - 124     |
| cis-1,3-Dichloropropene                 | ND            |                  | 50.0        | 52.2      |              | ug/L |   | 104  | 74 - 124     |
| Cyclohexane                             | ND            |                  | 50.0        | 58.6      |              | ug/L |   | 117  | 59 - 135     |
| Dibromochloromethane                    | ND            |                  | 50.0        | 45.9      |              | ug/L |   | 92   | 75 - 125     |
| Dichlorodifluoromethane                 | ND            |                  | 50.0        | 61.5      |              | ug/L |   | 123  | 59 - 135     |
| Ethylbenzene                            | ND            |                  | 50.0        | 55.5      |              | ug/L |   | 111  | 77 - 123     |
| Isopropylbenzene                        | ND            |                  | 50.0        | 52.7      |              | ug/L |   | 105  | 77 - 122     |
| Methyl acetate                          | ND            |                  | 100         | 104       |              | ug/L |   | 104  | 74 - 133     |
| Methyl tert-butyl ether                 | ND            |                  | 50.0        | 53.5      |              | ug/L |   | 107  | 77 - 120     |
| Methylcyclohexane                       | ND            |                  | 50.0        | 53.7      |              | ug/L |   | 107  | 68 - 134     |
| Methylene Chloride                      | ND            |                  | 50.0        | 54.6      |              | ug/L |   | 109  | 75 - 124     |
| Styrene                                 | ND            |                  | 50.0        | 55.8      |              | ug/L |   | 112  | 80 - 120     |
| Tetrachloroethene                       | ND            |                  | 50.0        | 55.5      |              | ug/L |   | 111  | 74 - 122     |
| Toluene                                 | ND            |                  | 50.0        | 55.6      |              | ug/L |   | 111  | 80 - 122     |
| trans-1,2-Dichloroethene                | ND            |                  | 50.0        | 61.6      |              | ug/L |   | 123  | 73 - 127     |
| trans-1,3-Dichloropropene               | ND            |                  | 50.0        | 49.7      |              | ug/L |   | 99   | 80 - 120     |
| Trichloroethene                         | 8.5           | F1               | 50.0        | 70.7      | F1           | ug/L |   | 124  | 74 - 123     |
| Trichlorofluoromethane                  | ND            |                  | 50.0        | 62.5      |              | ug/L |   | 125  | 62 - 150     |
| Vinyl chloride                          | 5.2           | F1               | 50.0        | 77.3      | F1           | ug/L |   | 144  | 65 - 133     |
| t-Butyl alcohol                         | ND            |                  | 500         | 484       |              | ug/L |   | 97   | 75 - 125     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 96           |              | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 109          |              | 73 - 120 |
| Dibromofluoromethane (Surr)  | 99           |              | 75 - 123 |
| Toluene-d8 (Surr)            | 95           |              | 80 - 120 |

Lab Sample ID: 480-154627-3 MSD

Matrix: Water

Analysis Batch: 476891

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

| Analyte                               | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 1,1,1-Trichloroethane                 | 44            |                  | 50.0        | 103        |               | ug/L |   | 118  | 73 - 126     | 2   | 15        |
| 1,1,2,2-Tetrachloroethane             | ND            |                  | 50.0        | 52.2       |               | ug/L |   | 104  | 76 - 120     | 2   | 15        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |                  | 50.0        | 61.7       |               | ug/L |   | 123  | 61 - 148     | 5   | 20        |
| 1,1,2-Trichloroethane                 | ND            |                  | 50.0        | 54.1       |               | ug/L |   | 108  | 76 - 122     | 5   | 15        |
| 1,1-Dichloroethane                    | 46            | F1               | 50.0        | 112        | F1            | ug/L |   | 132  | 77 - 120     | 1   | 20        |
| 1,1-Dichloroethene                    | 1.2           | J F1             | 50.0        | 64.0       |               | ug/L |   | 126  | 66 - 127     | 3   | 16        |
| 1,2,4-Trichlorobenzene                | ND            |                  | 50.0        | 49.1       |               | ug/L |   | 98   | 79 - 122     | 2   | 20        |
| 1,2-Dibromo-3-Chloropropane           | ND            |                  | 50.0        | 46.3       |               | ug/L |   | 93   | 56 - 134     | 4   | 15        |
| 1,2-Dibromoethane                     | ND            |                  | 50.0        | 51.5       |               | ug/L |   | 103  | 77 - 120     | 0   | 15        |
| 1,2-Dichlorobenzene                   | ND            |                  | 50.0        | 55.2       |               | ug/L |   | 110  | 80 - 124     | 0   | 20        |
| 1,2-Dichloroethane                    | ND            |                  | 50.0        | 59.1       |               | ug/L |   | 118  | 75 - 120     | 1   | 20        |
| 1,2-Dichloropropane                   | ND            |                  | 50.0        | 57.1       |               | ug/L |   | 114  | 76 - 120     | 1   | 20        |
| 1,3-Dichlorobenzene                   | ND            |                  | 50.0        | 53.7       |               | ug/L |   | 107  | 77 - 120     | 1   | 20        |
| 1,4-Dichlorobenzene                   | ND            |                  | 50.0        | 53.1       |               | ug/L |   | 106  | 78 - 124     | 2   | 20        |
| 2-Butanone (MEK)                      | ND            |                  | 250         | 256        |               | ug/L |   | 103  | 57 - 140     | 1   | 20        |
| 2-Hexanone                            | ND            |                  | 250         | 293        |               | ug/L |   | 117  | 65 - 127     | 2   | 15        |
| 4-Methyl-2-pentanone (MIBK)           | ND            |                  | 250         | 281        |               | ug/L |   | 113  | 71 - 125     | 2   | 35        |
| Acetone                               | ND            |                  | 250         | 286        |               | ug/L |   | 115  | 56 - 142     | 6   | 15        |
| Benzene                               | ND            |                  | 50.0        | 58.8       |               | ug/L |   | 118  | 71 - 124     | 3   | 13        |
| Bromodichloromethane                  | ND            |                  | 50.0        | 53.3       |               | ug/L |   | 107  | 80 - 122     | 1   | 15        |
| Bromoform                             | ND            |                  | 50.0        | 43.0       |               | ug/L |   | 86   | 61 - 132     | 7   | 15        |
| Bromomethane                          | ND            |                  | 50.0        | 51.2       |               | ug/L |   | 102  | 55 - 144     | 7   | 15        |
| Carbon disulfide                      | ND            |                  | 50.0        | 56.0       |               | ug/L |   | 112  | 59 - 134     | 4   | 15        |
| Carbon tetrachloride                  | ND            |                  | 50.0        | 52.6       |               | ug/L |   | 105  | 72 - 134     | 5   | 15        |
| Chlorobenzene                         | ND            |                  | 50.0        | 55.3       |               | ug/L |   | 111  | 80 - 120     | 1   | 25        |
| Chloroethane                          | 9.4           |                  | 50.0        | 66.8       |               | ug/L |   | 115  | 69 - 136     | 2   | 15        |
| Chloroform                            | ND            |                  | 50.0        | 52.0       |               | ug/L |   | 104  | 73 - 127     | 2   | 20        |
| Chloromethane                         | ND            |                  | 50.0        | 55.1       |               | ug/L |   | 110  | 68 - 124     | 5   | 15        |
| cis-1,2-Dichloroethene                | 65            | F1               | 50.0        | 211        | E F1          | ug/L |   | 290  | 74 - 124     | 4   | 15        |
| cis-1,3-Dichloropropene               | ND            |                  | 50.0        | 52.6       |               | ug/L |   | 105  | 74 - 124     | 1   | 15        |
| Cyclohexane                           | ND            |                  | 50.0        | 55.5       |               | ug/L |   | 111  | 59 - 135     | 6   | 20        |
| Dibromochloromethane                  | ND            |                  | 50.0        | 46.6       |               | ug/L |   | 93   | 75 - 125     | 2   | 15        |
| Dichlorodifluoromethane               | ND            |                  | 50.0        | 58.4       |               | ug/L |   | 117  | 59 - 135     | 5   | 20        |
| Ethylbenzene                          | ND            |                  | 50.0        | 55.6       |               | ug/L |   | 111  | 77 - 123     | 0   | 15        |
| Isopropylbenzene                      | ND            |                  | 50.0        | 52.5       |               | ug/L |   | 105  | 77 - 122     | 0   | 20        |
| Methyl acetate                        | ND            |                  | 100         | 104        |               | ug/L |   | 104  | 74 - 133     | 0   | 20        |
| Methyl tert-butyl ether               | ND            |                  | 50.0        | 54.5       |               | ug/L |   | 109  | 77 - 120     | 2   | 37        |
| Methylcyclohexane                     | ND            |                  | 50.0        | 50.6       |               | ug/L |   | 101  | 68 - 134     | 6   | 20        |
| Methylene Chloride                    | ND            |                  | 50.0        | 54.5       |               | ug/L |   | 109  | 75 - 124     | 0   | 15        |
| Styrene                               | ND            |                  | 50.0        | 54.9       |               | ug/L |   | 110  | 80 - 120     | 2   | 20        |
| Tetrachloroethene                     | ND            |                  | 50.0        | 55.8       |               | ug/L |   | 112  | 74 - 122     | 1   | 20        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Lab Sample ID: 480-154627-3 MSD

Matrix: Water

Analysis Batch: 476891

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

| Analyte                      | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Toluene                      | ND            |                  | 50.0        | 54.8       |               | ug/L |   | 110  | 80 - 122     | 1   | 15        |
| trans-1,2-Dichloroethene     | ND            |                  | 50.0        | 58.2       |               | ug/L |   | 116  | 73 - 127     | 6   | 20        |
| trans-1,3-Dichloropropene    | ND            |                  | 50.0        | 50.7       |               | ug/L |   | 101  | 80 - 120     | 2   | 15        |
| Trichloroethene              | 8.5           | F1               | 50.0        | 68.5       |               | ug/L |   | 120  | 74 - 123     | 3   | 16        |
| Trichlorofluoromethane       | ND            |                  | 50.0        | 59.7       |               | ug/L |   | 119  | 62 - 150     | 5   | 20        |
| Vinyl chloride               | 5.2           | F1               | 50.0        | 75.4       | F1            | ug/L |   | 140  | 65 - 133     | 3   | 15        |
| t-Butyl alcohol              | ND            |                  | 500         | 562        |               | ug/L |   | 112  | 75 - 125     | 15  | 15        |
| Surrogate                    | MSD %Recovery | MSD Qualifier    | Limits      |            |               |      |   |      |              |     |           |
| 1,2-Dichloroethane-d4 (Surr) | 94            |                  | 77 - 120    |            |               |      |   |      |              |     |           |
| 4-Bromofluorobenzene (Surr)  | 107           |                  | 73 - 120    |            |               |      |   |      |              |     |           |
| Dibromofluoromethane (Surr)  | 100           |                  | 75 - 123    |            |               |      |   |      |              |     |           |
| Toluene-d8 (Surr)            | 96            |                  | 80 - 120    |            |               |      |   |      |              |     |           |

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

Lab Sample ID: MB 480-477249/1-A

Matrix: Water

Analysis Batch: 478194

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477249

| Analyte                     | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol       | ND        |              | 5.0 | 0.48 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2,4,6-Trichlorophenol       | ND        |              | 5.0 | 0.61 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2,4-Dichlorophenol          | ND        |              | 5.0 | 0.51 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2,4-Dimethylphenol          | ND        |              | 5.0 | 0.50 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2,4-Dinitrophenol           | ND        |              | 10  | 2.2  | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2,4-Dinitrotoluene          | ND        |              | 5.0 | 0.45 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2,6-Dinitrotoluene          | ND        |              | 5.0 | 0.40 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2-Chloronaphthalene         | ND        |              | 5.0 | 0.46 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2-Chlorophenol              | ND        |              | 5.0 | 0.53 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2-Methylnaphthalene         | ND        |              | 5.0 | 0.60 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2-Methylphenol              | ND        |              | 5.0 | 0.40 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2-Nitroaniline              | ND        |              | 10  | 0.42 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2-Nitrophenol               | ND        |              | 5.0 | 0.48 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 3,3'-Dichlorobenzidine      | ND        |              | 5.0 | 0.40 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 3-Nitroaniline              | ND        |              | 10  | 0.48 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 4,6-Dinitro-2-methylphenol  | ND        |              | 10  | 2.2  | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 4-Bromophenyl phenyl ether  | ND        |              | 5.0 | 0.45 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 4-Chloro-3-methylphenol     | ND        |              | 5.0 | 0.45 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 4-Chloroaniline             | ND        |              | 5.0 | 0.59 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 4-Chlorophenyl phenyl ether | ND        |              | 5.0 | 0.35 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 4-Methylphenol              | ND        |              | 10  | 0.36 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 4-Nitroaniline              | ND        |              | 10  | 0.25 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 4-Nitrophenol               | ND        |              | 10  | 1.5  | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Acenaphthene                | ND        |              | 5.0 | 0.41 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Acenaphthylene              | ND        |              | 5.0 | 0.38 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Acetophenone                | ND        |              | 5.0 | 0.54 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Anthracene                  | ND        |              | 5.0 | 0.28 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Atrazine                    | ND        |              | 5.0 | 0.46 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Lab Sample ID: MB 480-477249/1-A

Matrix: Water

Analysis Batch: 478194

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477249

| Analyte                       | MB<br>Result | MB<br>Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------------|-----|------|------|---|----------------|----------------|---------|
| Benzaldehyde                  | ND           |                 | 5.0 | 0.27 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Benzo(a)anthracene            | ND           |                 | 5.0 | 0.36 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Benzo(a)pyrene                | ND           |                 | 5.0 | 0.47 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Benzo(b)fluoranthene          | ND           |                 | 5.0 | 0.34 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Benzo(g,h,i)perylene          | ND           |                 | 5.0 | 0.35 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Benzo(k)fluoranthene          | ND           |                 | 5.0 | 0.73 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Biphenyl                      | ND           |                 | 5.0 | 0.65 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| bis (2-chloroisopropyl) ether | ND           |                 | 5.0 | 0.52 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Bis(2-chloroethoxy)methane    | ND           |                 | 5.0 | 0.35 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Bis(2-chloroethyl)ether       | ND           |                 | 5.0 | 0.40 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND           |                 | 5.0 | 2.2  | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Butyl benzyl phthalate        | ND           |                 | 5.0 | 1.0  | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Caprolactam                   | ND           |                 | 5.0 | 2.2  | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Carbazole                     | ND           |                 | 5.0 | 0.30 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Chrysene                      | ND           |                 | 5.0 | 0.33 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Dibenz(a,h)anthracene         | ND           |                 | 5.0 | 0.42 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Dibenzofuran                  | ND           |                 | 10  | 0.51 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Diethyl phthalate             | ND           |                 | 5.0 | 0.22 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Dimethyl phthalate            | ND           |                 | 5.0 | 0.36 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Di-n-butyl phthalate          | ND           |                 | 5.0 | 0.31 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Di-n-octyl phthalate          | ND           |                 | 5.0 | 0.47 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Fluoranthene                  | ND           |                 | 5.0 | 0.40 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Fluorene                      | ND           |                 | 5.0 | 0.36 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Hexachlorobenzene             | ND           |                 | 5.0 | 0.51 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Hexachlorobutadiene           | ND           |                 | 5.0 | 0.68 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Hexachlorocyclopentadiene     | ND           |                 | 5.0 | 0.59 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Hexachloroethane              | ND           |                 | 5.0 | 0.59 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Indeno(1,2,3-cd)pyrene        | ND           |                 | 5.0 | 0.47 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Isophorone                    | ND           |                 | 5.0 | 0.43 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Naphthalene                   | ND           |                 | 5.0 | 0.76 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Nitrobenzene                  | ND           |                 | 5.0 | 0.29 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| N-Nitrosodi-n-propylamine     | ND           |                 | 5.0 | 0.54 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| N-Nitrosodiphenylamine        | ND           |                 | 5.0 | 0.51 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Pentachlorophenol             | ND           |                 | 10  | 2.2  | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Phenanthrene                  | 0.754        | J               | 5.0 | 0.44 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Phenol                        | ND           |                 | 5.0 | 0.39 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Pyrene                        | ND           |                 | 5.0 | 0.34 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |

| Surrogate            | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 92              |                 | 41 - 120 | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2-Fluorobiphenyl     | 101             |                 | 48 - 120 | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2-Fluorophenol       | 70              |                 | 35 - 120 | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Nitrobenzene-d5      | 91              |                 | 46 - 120 | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Phenol-d5            | 51              |                 | 22 - 120 | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| p-Terphenyl-d14      | 101             |                 | 59 - 136 | 06/11/19 15:14 | 06/17/19 21:56 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Lab Sample ID: LCS 480-477249/2-A

Matrix: Water

Analysis Batch: 478194

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477249

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 2,4,5-Trichlorophenol         | 32.0        | 34.3       |               | ug/L |   | 107  | 65 - 126     |
| 2,4,6-Trichlorophenol         | 32.0        | 33.5       |               | ug/L |   | 105  | 64 - 120     |
| 2,4-Dichlorophenol            | 32.0        | 31.4       |               | ug/L |   | 98   | 63 - 120     |
| 2,4-Dimethylphenol            | 32.0        | 30.6       |               | ug/L |   | 96   | 47 - 120     |
| 2,4-Dinitrophenol             | 64.0        | 75.4       |               | ug/L |   | 118  | 31 - 137     |
| 2,4-Dinitrotoluene            | 32.0        | 34.5       |               | ug/L |   | 108  | 69 - 120     |
| 2,6-Dinitrotoluene            | 32.0        | 34.5       |               | ug/L |   | 108  | 68 - 120     |
| 2-Chloronaphthalene           | 32.0        | 30.0       |               | ug/L |   | 94   | 58 - 120     |
| 2-Chlorophenol                | 32.0        | 27.3       |               | ug/L |   | 85   | 48 - 120     |
| 2-Methylnaphthalene           | 32.0        | 30.4       |               | ug/L |   | 95   | 59 - 120     |
| 2-Methylphenol                | 32.0        | 29.1       |               | ug/L |   | 91   | 39 - 120     |
| 2-Nitroaniline                | 32.0        | 33.7       |               | ug/L |   | 105  | 54 - 127     |
| 2-Nitrophenol                 | 32.0        | 31.6       |               | ug/L |   | 99   | 52 - 125     |
| 3,3'-Dichlorobenzidine        | 64.0        | 71.2       |               | ug/L |   | 111  | 49 - 135     |
| 3-Nitroaniline                | 32.0        | 34.1       |               | ug/L |   | 107  | 51 - 120     |
| 4,6-Dinitro-2-methylphenol    | 64.0        | 76.5       |               | ug/L |   | 120  | 46 - 136     |
| 4-Bromophenyl phenyl ether    | 32.0        | 30.6       |               | ug/L |   | 96   | 65 - 120     |
| 4-Chloro-3-methylphenol       | 32.0        | 31.3       |               | ug/L |   | 98   | 61 - 123     |
| 4-Chloroaniline               | 32.0        | 30.7       |               | ug/L |   | 96   | 30 - 120     |
| 4-Chlorophenyl phenyl ether   | 32.0        | 31.7       |               | ug/L |   | 99   | 62 - 120     |
| 4-Methylphenol                | 32.0        | 27.2       |               | ug/L |   | 85   | 29 - 131     |
| 4-Nitroaniline                | 32.0        | 34.1       |               | ug/L |   | 107  | 65 - 120     |
| 4-Nitrophenol                 | 64.0        | 61.3       |               | ug/L |   | 96   | 45 - 120     |
| Acenaphthene                  | 32.0        | 31.7       |               | ug/L |   | 99   | 60 - 120     |
| Acenaphthylene                | 32.0        | 32.6       |               | ug/L |   | 102  | 63 - 120     |
| Acetophenone                  | 32.0        | 30.5       |               | ug/L |   | 95   | 45 - 120     |
| Anthracene                    | 32.0        | 31.9       |               | ug/L |   | 100  | 67 - 120     |
| Atrazine                      | 64.0        | 73.5       |               | ug/L |   | 115  | 71 - 130     |
| Benzaldehyde                  | 64.0        | 57.1       |               | ug/L |   | 89   | 10 - 140     |
| Benzo(a)anthracene            | 32.0        | 32.4       |               | ug/L |   | 101  | 70 - 121     |
| Benzo(a)pyrene                | 32.0        | 30.1       |               | ug/L |   | 94   | 60 - 123     |
| Benzo(b)fluoranthene          | 32.0        | 33.2       |               | ug/L |   | 104  | 66 - 126     |
| Benzo(g,h,i)perylene          | 32.0        | 32.6       |               | ug/L |   | 102  | 66 - 150     |
| Benzo(k)fluoranthene          | 32.0        | 32.7       |               | ug/L |   | 102  | 65 - 124     |
| Biphenyl                      | 32.0        | 30.8       |               | ug/L |   | 96   | 59 - 120     |
| bis (2-chloroisopropyl) ether | 32.0        | 27.3       |               | ug/L |   | 85   | 21 - 136     |
| Bis(2-chloroethoxy)methane    | 32.0        | 29.8       |               | ug/L |   | 93   | 50 - 128     |
| Bis(2-chloroethyl)ether       | 32.0        | 27.1       |               | ug/L |   | 85   | 44 - 120     |
| Bis(2-ethylhexyl) phthalate   | 32.0        | 35.3       |               | ug/L |   | 110  | 63 - 139     |
| Butyl benzyl phthalate        | 32.0        | 34.4       |               | ug/L |   | 108  | 70 - 129     |
| Caprolactam                   | 64.0        | 23.3       |               | ug/L |   | 36   | 22 - 120     |
| Carbazole                     | 32.0        | 34.5       |               | ug/L |   | 108  | 66 - 123     |
| Chrysene                      | 32.0        | 34.1       |               | ug/L |   | 106  | 69 - 120     |
| Dibenz(a,h)anthracene         | 32.0        | 33.3       |               | ug/L |   | 104  | 65 - 135     |
| Dibenzofuran                  | 32.0        | 31.9       |               | ug/L |   | 100  | 66 - 120     |
| Diethyl phthalate             | 32.0        | 34.9       |               | ug/L |   | 109  | 59 - 127     |
| Dimethyl phthalate            | 32.0        | 34.2       |               | ug/L |   | 107  | 68 - 120     |
| Di-n-butyl phthalate          | 32.0        | 33.1       |               | ug/L |   | 104  | 69 - 131     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Lab Sample ID: LCS 480-477249/2-A

Matrix: Water

Analysis Batch: 478194

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477249

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Di-n-octyl phthalate      | 32.0        | 33.8       |               | ug/L |   | 106  | 63 - 140     |
| Fluoranthene              | 32.0        | 33.2       |               | ug/L |   | 104  | 69 - 126     |
| Fluorene                  | 32.0        | 33.3       |               | ug/L |   | 104  | 66 - 120     |
| Hexachlorobenzene         | 32.0        | 31.7       |               | ug/L |   | 99   | 61 - 120     |
| Hexachlorobutadiene       | 32.0        | 26.9       |               | ug/L |   | 84   | 35 - 120     |
| Hexachlorocyclopentadiene | 32.0        | 28.2       |               | ug/L |   | 88   | 31 - 120     |
| Hexachloroethane          | 32.0        | 25.9       |               | ug/L |   | 81   | 43 - 120     |
| Indeno(1,2,3-cd)pyrene    | 32.0        | 32.7       |               | ug/L |   | 102  | 69 - 146     |
| Isophorone                | 32.0        | 31.1       |               | ug/L |   | 97   | 55 - 120     |
| Naphthalene               | 32.0        | 29.8       |               | ug/L |   | 93   | 57 - 120     |
| Nitrobenzene              | 32.0        | 30.4       |               | ug/L |   | 95   | 53 - 123     |
| N-Nitrosodi-n-propylamine | 32.0        | 30.7       |               | ug/L |   | 96   | 32 - 140     |
| N-Nitrosodiphenylamine    | 32.0        | 31.0       |               | ug/L |   | 97   | 61 - 120     |
| Pentachlorophenol         | 64.0        | 66.7       |               | ug/L |   | 104  | 29 - 136     |
| Phenanthrene              | 32.0        | 33.3       |               | ug/L |   | 104  | 68 - 120     |
| Phenol                    | 32.0        | 18.7       |               | ug/L |   | 58   | 17 - 120     |
| Pyrene                    | 32.0        | 33.4       |               | ug/L |   | 104  | 70 - 125     |

| Surrogate            | LCS %Recovery | LCS Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol | 103           |               | 41 - 120 |
| 2-Fluorobiphenyl     | 96            |               | 48 - 120 |
| 2-Fluorophenol       | 70            |               | 35 - 120 |
| Nitrobenzene-d5      | 87            |               | 46 - 120 |
| Phenol-d5            | 54            |               | 22 - 120 |
| p-Terphenyl-d14      | 98            |               | 59 - 136 |

Lab Sample ID: 480-154627-3 MS

Matrix: Water

Analysis Batch: 478194

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477249

| Analyte                    | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 2,4,5-Trichlorophenol      | ND            |                  | 32.0        | 28.0      |              | ug/L |   | 88   | 65 - 126     |
| 2,4,6-Trichlorophenol      | ND            |                  | 32.0        | 26.6      |              | ug/L |   | 83   | 64 - 120     |
| 2,4-Dichlorophenol         | ND            | F2               | 32.0        | 22.3      | J            | ug/L |   | 70   | 48 - 132     |
| 2,4-Dimethylphenol         | ND            |                  | 32.0        | 22.8      | J            | ug/L |   | 71   | 39 - 130     |
| 2,4-Dinitrophenol          | ND            |                  | 64.0        | 63.9      |              | ug/L |   | 100  | 21 - 150     |
| 2,4-Dinitrotoluene         | ND            |                  | 32.0        | 28.4      |              | ug/L |   | 89   | 54 - 138     |
| 2,6-Dinitrotoluene         | ND            |                  | 32.0        | 28.8      |              | ug/L |   | 90   | 17 - 150     |
| 2-Chloronaphthalene        | ND            |                  | 32.0        | 23.7      | J            | ug/L |   | 74   | 52 - 124     |
| 2-Chlorophenol             | ND            |                  | 32.0        | 19.9      | J            | ug/L |   | 62   | 48 - 120     |
| 2-Methylnaphthalene        | ND            |                  | 32.0        | 23.9      | J            | ug/L |   | 75   | 34 - 140     |
| 2-Methylphenol             | ND            |                  | 32.0        | 24.3      | J            | ug/L |   | 76   | 46 - 120     |
| 2-Nitroaniline             | ND            |                  | 32.0        | 28.2      | J            | ug/L |   | 88   | 44 - 136     |
| 2-Nitrophenol              | ND            |                  | 32.0        | 23.1      | J            | ug/L |   | 72   | 38 - 141     |
| 3,3'-Dichlorobenzidine     | ND            | F1               | 64.0        | ND        | F1           | ug/L |   | 0    | 10 - 150     |
| 3-Nitroaniline             | ND            |                  | 32.0        | 22.2      | J            | ug/L |   | 69   | 32 - 150     |
| 4,6-Dinitro-2-methylphenol | ND            |                  | 64.0        | 69.6      |              | ug/L |   | 109  | 38 - 150     |
| 4-Bromophenyl phenyl ether | ND            |                  | 32.0        | 24.7      | J            | ug/L |   | 77   | 63 - 126     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Lab Sample ID: 480-154627-3 MS

Matrix: Water

Analysis Batch: 478194

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477249

| Analyte                       | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 4-Chloro-3-methylphenol       | ND            |                  | 32.0        | 25.2      |              | ug/L |   | 79   | 64 - 127     |
| 4-Chloroaniline               | ND            |                  | 32.0        | 18.7      | J            | ug/L |   | 58   | 16 - 124     |
| 4-Chlorophenyl phenyl ether   | ND            |                  | 32.0        | 25.6      |              | ug/L |   | 80   | 61 - 120     |
| 4-Methylphenol                | ND            |                  | 32.0        | 18.3      | J            | ug/L |   | 57   | 36 - 120     |
| 4-Nitroaniline                | ND            |                  | 32.0        | 26.0      | J            | ug/L |   | 81   | 32 - 150     |
| 4-Nitrophenol                 | ND            |                  | 64.0        | 35.1      | J            | ug/L |   | 55   | 23 - 132     |
| Acenaphthene                  | ND            |                  | 32.0        | 25.9      |              | ug/L |   | 81   | 48 - 120     |
| Acenaphthylene                | ND            |                  | 32.0        | 26.4      |              | ug/L |   | 83   | 63 - 120     |
| Acetophenone                  | ND            |                  | 32.0        | 23.4      | J            | ug/L |   | 73   | 53 - 120     |
| Anthracene                    | ND            |                  | 32.0        | 25.5      |              | ug/L |   | 80   | 65 - 122     |
| Atrazine                      | ND            | F2               | 64.0        | 40.4      |              | ug/L |   | 63   | 50 - 150     |
| Benzaldehyde                  | ND            |                  | 64.0        | 46.1      |              | ug/L |   | 72   | 10 - 150     |
| Benzo(a)anthracene            | ND            | F2               | 32.0        | 24.2      | J            | ug/L |   | 76   | 43 - 124     |
| Benzo(a)pyrene                | ND            | F2               | 32.0        | 19.3      | J            | ug/L |   | 60   | 23 - 125     |
| Benzo(b)fluoranthene          | ND            | F2               | 32.0        | 21.7      | J            | ug/L |   | 68   | 27 - 127     |
| Benzo(g,h,i)perylene          | ND            | F2               | 32.0        | 22.5      | J            | ug/L |   | 70   | 16 - 147     |
| Benzo(k)fluoranthene          | ND            | F2               | 32.0        | 21.1      | J            | ug/L |   | 66   | 20 - 124     |
| Biphenyl                      | ND            |                  | 32.0        | 24.3      | J            | ug/L |   | 76   | 57 - 120     |
| bis (2-chloroisopropyl) ether | ND            |                  | 32.0        | 21.2      | J            | ug/L |   | 66   | 28 - 121     |
| Bis(2-chloroethoxy)methane    | ND            |                  | 32.0        | 23.5      | J            | ug/L |   | 73   | 44 - 128     |
| Bis(2-chloroethyl)ether       | ND            |                  | 32.0        | 21.2      | J            | ug/L |   | 66   | 45 - 120     |
| Bis(2-ethylhexyl) phthalate   | ND            |                  | 32.0        | 24.9      | J            | ug/L |   | 78   | 16 - 150     |
| Butyl benzyl phthalate        | ND            |                  | 32.0        | 25.1      |              | ug/L |   | 79   | 51 - 140     |
| Caprolactam                   | ND            |                  | 64.0        | 20.8      | J            | ug/L |   | 32   | 10 - 120     |
| Carbazole                     | ND            |                  | 32.0        | 29.9      |              | ug/L |   | 93   | 16 - 148     |
| Chrysene                      | ND            | F2               | 32.0        | 24.5      | J            | ug/L |   | 77   | 44 - 122     |
| Dibenz(a,h)anthracene         | ND            | F2               | 32.0        | 21.1      | J            | ug/L |   | 66   | 16 - 139     |
| Dibenzofuran                  | ND            |                  | 32.0        | 26.3      | J            | ug/L |   | 82   | 60 - 120     |
| Diethyl phthalate             | ND            |                  | 32.0        | 28.7      |              | ug/L |   | 90   | 53 - 133     |
| Dimethyl phthalate            | ND            |                  | 32.0        | 28.5      |              | ug/L |   | 89   | 59 - 123     |
| Di-n-butyl phthalate          | ND            |                  | 32.0        | 23.6      | J            | ug/L |   | 74   | 65 - 129     |
| Di-n-octyl phthalate          | ND            | F2               | 32.0        | 24.8      | J            | ug/L |   | 78   | 16 - 150     |
| Fluoranthene                  | ND            |                  | 32.0        | 25.2      |              | ug/L |   | 79   | 63 - 129     |
| Fluorene                      | ND            |                  | 32.0        | 27.3      |              | ug/L |   | 85   | 62 - 120     |
| Hexachlorobenzene             | ND            | F2               | 32.0        | 23.8      | J            | ug/L |   | 74   | 57 - 121     |
| Hexachlorobutadiene           | ND            |                  | 32.0        | 18.4      | J            | ug/L |   | 58   | 37 - 120     |
| Hexachlorocyclopentadiene     | ND            |                  | 32.0        | 18.7      | J            | ug/L |   | 58   | 21 - 120     |
| Hexachloroethane              | ND            |                  | 32.0        | 19.4      | J            | ug/L |   | 60   | 16 - 130     |
| Indeno(1,2,3-cd)pyrene        | ND            | F2               | 32.0        | 22.0      | J            | ug/L |   | 69   | 16 - 140     |
| Isophorone                    | ND            |                  | 32.0        | 24.9      | J            | ug/L |   | 78   | 48 - 133     |
| Naphthalene                   | ND            |                  | 32.0        | 23.0      | J            | ug/L |   | 72   | 45 - 120     |
| Nitrobenzene                  | ND            |                  | 32.0        | 22.7      | J            | ug/L |   | 71   | 45 - 123     |
| N-Nitrosodi-n-propylamine     | ND            |                  | 32.0        | 23.4      | J            | ug/L |   | 73   | 49 - 120     |
| N-Nitrosodiphenylamine        | ND            | F2               | 32.0        | 20.6      | J            | ug/L |   | 65   | 39 - 138     |
| Pentachlorophenol             | ND            |                  | 64.0        | 61.1      |              | ug/L |   | 95   | 23 - 149     |
| Phenanthrene                  | ND            |                  | 32.0        | 27.9      |              | ug/L |   | 87   | 65 - 122     |
| Phenol                        | ND            |                  | 32.0        | 10.9      | J            | ug/L |   | 34   | 16 - 120     |
| Pyrene                        | ND            |                  | 32.0        | 27.5      |              | ug/L |   | 86   | 58 - 128     |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Lab Sample ID: 480-154627-3 MS

Matrix: Water

Analysis Batch: 478194

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477249

|                      | MS        | MS        |          |
|----------------------|-----------|-----------|----------|
| Surrogate            | %Recovery | Qualifier | Limits   |
| 2,4,6-Tribromophenol | 89        |           | 41 - 120 |
| 2-Fluorobiphenyl     | 76        |           | 48 - 120 |
| 2-Fluorophenol       | 41        |           | 35 - 120 |
| Nitrobenzene-d5      | 68        |           | 46 - 120 |
| Phenol-d5            | 33        |           | 22 - 120 |
| p-Terphenyl-d14      | 45        | X         | 59 - 136 |

Lab Sample ID: 480-154627-3 MSD

Matrix: Water

Analysis Batch: 478194

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477249

| Analyte                       | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 2,4,5-Trichlorophenol         | ND            |                  | 32.0        | 31.5       |               | ug/L |   | 98   | 65 - 126     | 12  | 18        |
| 2,4,6-Trichlorophenol         | ND            |                  | 32.0        | 30.7       |               | ug/L |   | 96   | 64 - 120     | 14  | 19        |
| 2,4-Dichlorophenol            | ND            | F2               | 32.0        | 27.3       | F2            | ug/L |   | 85   | 48 - 132     | 20  | 19        |
| 2,4-Dimethylphenol            | ND            |                  | 32.0        | 27.5       |               | ug/L |   | 86   | 39 - 130     | 19  | 42        |
| 2,4-Dinitrophenol             | ND            |                  | 64.0        | 70.9       |               | ug/L |   | 111  | 21 - 150     | 10  | 22        |
| 2,4-Dinitrotoluene            | ND            |                  | 32.0        | 32.0       |               | ug/L |   | 100  | 54 - 138     | 12  | 20        |
| 2,6-Dinitrotoluene            | ND            |                  | 32.0        | 32.1       |               | ug/L |   | 100  | 17 - 150     | 11  | 15        |
| 2-Chloronaphthalene           | ND            |                  | 32.0        | 27.6       |               | ug/L |   | 86   | 52 - 124     | 15  | 21        |
| 2-Chlorophenol                | ND            |                  | 32.0        | 23.3       | J             | ug/L |   | 73   | 48 - 120     | 16  | 25        |
| 2-Methylnaphthalene           | ND            |                  | 32.0        | 26.9       |               | ug/L |   | 84   | 34 - 140     | 12  | 21        |
| 2-Methylphenol                | ND            |                  | 32.0        | 27.7       |               | ug/L |   | 87   | 46 - 120     | 13  | 27        |
| 2-Nitroaniline                | ND            |                  | 32.0        | 30.0       | J             | ug/L |   | 94   | 44 - 136     | 6   | 15        |
| 2-Nitrophenol                 | ND            |                  | 32.0        | 27.0       |               | ug/L |   | 85   | 38 - 141     | 16  | 18        |
| 3,3'-Dichlorobenzidine        | ND            | F1               | 64.0        | ND         | F1            | ug/L |   | 0    | 10 - 150     | NC  | 25        |
| 3-Nitroaniline                | ND            |                  | 32.0        | 22.2       | J             | ug/L |   | 69   | 32 - 150     | 0   | 19        |
| 4,6-Dinitro-2-methylphenol    | ND            |                  | 64.0        | 76.8       |               | ug/L |   | 120  | 38 - 150     | 10  | 15        |
| 4-Bromophenyl phenyl ether    | ND            |                  | 32.0        | 28.4       |               | ug/L |   | 89   | 63 - 126     | 14  | 15        |
| 4-Chloro-3-methylphenol       | ND            |                  | 32.0        | 29.1       |               | ug/L |   | 91   | 64 - 127     | 14  | 27        |
| 4-Chloroaniline               | ND            |                  | 32.0        | 20.6       | J             | ug/L |   | 64   | 16 - 124     | 10  | 22        |
| 4-Chlorophenyl phenyl ether   | ND            |                  | 32.0        | 29.7       |               | ug/L |   | 93   | 61 - 120     | 15  | 16        |
| 4-Methylphenol                | ND            |                  | 32.0        | 23.3       | J             | ug/L |   | 73   | 36 - 120     | 24  | 24        |
| 4-Nitroaniline                | ND            |                  | 32.0        | 28.6       | J             | ug/L |   | 89   | 32 - 150     | 9   | 24        |
| 4-Nitrophenol                 | ND            |                  | 64.0        | 49.1       | J             | ug/L |   | 77   | 23 - 132     | 33  | 48        |
| Acenaphthene                  | ND            |                  | 32.0        | 29.8       |               | ug/L |   | 93   | 48 - 120     | 14  | 24        |
| Acenaphthylene                | ND            |                  | 32.0        | 30.7       |               | ug/L |   | 96   | 63 - 120     | 15  | 18        |
| Acetophenone                  | ND            |                  | 32.0        | 25.1       |               | ug/L |   | 79   | 53 - 120     | 7   | 20        |
| Anthracene                    | ND            |                  | 32.0        | 27.8       |               | ug/L |   | 87   | 65 - 122     | 9   | 15        |
| Atrazine                      | ND            | F2               | 64.0        | 50.8       | F2            | ug/L |   | 79   | 50 - 150     | 23  | 20        |
| Benzaldehyde                  | ND            |                  | 64.0        | 50.6       |               | ug/L |   | 79   | 10 - 150     | 9   | 20        |
| Benzo(a)anthracene            | ND            | F2               | 32.0        | 28.5       | F2            | ug/L |   | 89   | 43 - 124     | 16  | 15        |
| Benzo(a)pyrene                | ND            | F2               | 32.0        | 23.3       | J F2          | ug/L |   | 73   | 23 - 125     | 19  | 15        |
| Benzo(b)fluoranthene          | ND            | F2               | 32.0        | 25.5       | F2            | ug/L |   | 80   | 27 - 127     | 16  | 15        |
| Benzo(g,h,i)perylene          | ND            | F2               | 32.0        | 26.4       | F2            | ug/L |   | 82   | 16 - 147     | 16  | 15        |
| Benzo(k)fluoranthene          | ND            | F2               | 32.0        | 27.0       | F2            | ug/L |   | 84   | 20 - 124     | 24  | 22        |
| Biphenyl                      | ND            |                  | 32.0        | 28.1       |               | ug/L |   | 88   | 57 - 120     | 14  | 20        |
| bis (2-chloroisopropyl) ether | ND            |                  | 32.0        | 23.4       | J             | ug/L |   | 73   | 28 - 121     | 10  | 24        |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Lab Sample ID: 480-154627-3 MSD

Matrix: Water

Analysis Batch: 478194

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477249

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Bis(2-chloroethoxy)methane  | ND            |                  | 32.0        | 26.0       |               | ug/L |   | 81   | 44 - 128     | 10  | 17        |
| Bis(2-chloroethyl)ether     | ND            |                  | 32.0        | 22.5       | J             | ug/L |   | 70   | 45 - 120     | 6   | 21        |
| Bis(2-ethylhexyl) phthalate | ND            |                  | 32.0        | 29.1       |               | ug/L |   | 91   | 16 - 150     | 15  | 15        |
| Butyl benzyl phthalate      | ND            |                  | 32.0        | 29.1       |               | ug/L |   | 91   | 51 - 140     | 15  | 16        |
| Caprolactam                 | ND            |                  | 64.0        | 23.5       | J             | ug/L |   | 37   | 10 - 120     | 12  | 20        |
| Carbazole                   | ND            |                  | 32.0        | 31.4       |               | ug/L |   | 98   | 16 - 148     | 5   | 20        |
| Chrysene                    | ND            | F2               | 32.0        | 29.2       | F2            | ug/L |   | 91   | 44 - 122     | 17  | 15        |
| Dibenz(a,h)anthracene       | ND            | F2               | 32.0        | 25.2       | F2            | ug/L |   | 79   | 16 - 139     | 18  | 15        |
| Dibenzofuran                | ND            |                  | 32.0        | 30.1       | J             | ug/L |   | 94   | 60 - 120     | 14  | 15        |
| Diethyl phthalate           | ND            |                  | 32.0        | 32.0       |               | ug/L |   | 100  | 53 - 133     | 11  | 15        |
| Dimethyl phthalate          | ND            |                  | 32.0        | 31.8       |               | ug/L |   | 99   | 59 - 123     | 11  | 15        |
| Di-n-butyl phthalate        | ND            |                  | 32.0        | 26.8       |               | ug/L |   | 84   | 65 - 129     | 12  | 15        |
| Di-n-octyl phthalate        | ND            | F2               | 32.0        | 29.5       | F2            | ug/L |   | 92   | 16 - 150     | 17  | 16        |
| Fluoranthene                | ND            |                  | 32.0        | 28.4       |               | ug/L |   | 89   | 63 - 129     | 12  | 15        |
| Fluorene                    | ND            |                  | 32.0        | 30.3       |               | ug/L |   | 95   | 62 - 120     | 11  | 15        |
| Hexachlorobenzene           | ND            | F2               | 32.0        | 28.0       | F2            | ug/L |   | 87   | 57 - 121     | 16  | 15        |
| Hexachlorobutadiene         | ND            |                  | 32.0        | 22.5       | J             | ug/L |   | 70   | 37 - 120     | 20  | 44        |
| Hexachlorocyclopentadiene   | ND            |                  | 32.0        | 23.3       | J             | ug/L |   | 73   | 21 - 120     | 22  | 49        |
| Hexachloroethane            | ND            |                  | 32.0        | 21.9       | J             | ug/L |   | 68   | 16 - 130     | 12  | 46        |
| Indeno(1,2,3-cd)pyrene      | ND            | F2               | 32.0        | 25.8       | F2            | ug/L |   | 80   | 16 - 140     | 16  | 15        |
| Isophorone                  | ND            |                  | 32.0        | 28.5       |               | ug/L |   | 89   | 48 - 133     | 14  | 17        |
| Naphthalene                 | ND            |                  | 32.0        | 25.8       |               | ug/L |   | 81   | 45 - 120     | 11  | 29        |
| Nitrobenzene                | ND            |                  | 32.0        | 26.1       |               | ug/L |   | 82   | 45 - 123     | 14  | 24        |
| N-Nitrosodi-n-propylamine   | ND            |                  | 32.0        | 26.5       |               | ug/L |   | 83   | 49 - 120     | 12  | 31        |
| N-Nitrosodiphenylamine      | ND            | F2               | 32.0        | 25.0       | F2            | ug/L |   | 78   | 39 - 138     | 19  | 15        |
| Pentachlorophenol           | ND            |                  | 64.0        | 68.1       |               | ug/L |   | 106  | 23 - 149     | 11  | 37        |
| Phenanthrene                | ND            |                  | 32.0        | 30.6       |               | ug/L |   | 96   | 65 - 122     | 9   | 15        |
| Phenol                      | ND            |                  | 32.0        | 15.1       | J             | ug/L |   | 47   | 16 - 120     | 32  | 34        |
| Pyrene                      | ND            |                  | 32.0        | 32.7       |               | ug/L |   | 102  | 58 - 128     | 17  | 19        |

| Surrogate            | MSD %Recovery | MSD Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol | 97            |               | 41 - 120 |
| 2-Fluorobiphenyl     | 87            |               | 48 - 120 |
| 2-Fluorophenol       | 55            |               | 35 - 120 |
| Nitrobenzene-d5      | 75            |               | 46 - 120 |
| Phenol-d5            | 45            |               | 22 - 120 |
| p-Terphenyl-d14      | 53            | X             | 59 - 136 |

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-477098/1-A

Matrix: Water

Analysis Batch: 477426

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477098

| MB MB            |           |           |          |      |      |   | Prepared Analyzed Dil Fac |                |         |
|------------------|-----------|-----------|----------|------|------|---|---------------------------|----------------|---------|
| Analyte          | Result    | Qualifier | RL       | MDL  | Unit | D | Prepared                  | Analyzed       | Dil Fac |
| 1,4-Dioxane      | ND        |           | 0.20     | 0.10 | ug/L | - | 06/10/19 15:51            | 06/12/19 14:31 | 1       |
| MB MB            |           |           |          |      |      |   | Prepared Analyzed Dil Fac |                |         |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared                  | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 31        |           | 15 - 110 |      |      |   | 06/10/19 15:51            | 06/12/19 14:31 | 1       |

Eurofins TestAmerica, Buffalo

## QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

### Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: LCS 480-477098/2-A

Matrix: Water

Analysis Batch: 477426

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477098

| Analyte          |           |           | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|------------------|-----------|-----------|----------------|---------------|------------------|------|---|------|-----------------|
| 1,4-Dioxane      |           |           | 1.00           | 1.36          | E                | ug/L |   | 136  | 40 - 140        |
|                  |           |           |                |               |                  |      |   |      |                 |
|                  | LCS       | LCS       |                |               |                  |      |   |      |                 |
| Isotope Dilution | %Recovery | Qualifier | Limits         |               |                  |      |   |      |                 |
| 1,4-Dioxane-d8   | 33        |           | 15 - 110       |               |                  |      |   |      |                 |

Lab Sample ID: 480-154627-3 MS

Matrix: Water

Analysis Batch: 477902

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477098

| Analyte          | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec  | %Rec.<br>Limits |
|------------------|------------------|---------------------|----------------|--------------|-----------------|------|---|-------|-----------------|
| 1,4-Dioxane      | 370              | E                   | 1.00           | 336          | E 4             | ug/L |   | -3314 | 40 - 140        |
|                  |                  |                     |                |              |                 |      |   |       |                 |
|                  | MS               | MS                  |                |              |                 |      |   |       |                 |
| Isotope Dilution | %Recovery        | Qualifier           | Limits         |              |                 |      |   |       |                 |
| 1,4-Dioxane-d8   | 22               |                     | 15 - 110       |              |                 |      |   |       |                 |

Lab Sample ID: 480-154627-3 MSD

Matrix: Water

Analysis Batch: 477902

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477098

| Analyte          | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit | D | %Rec  | %Rec.<br>Limits | RPD | RPD<br>Limit |
|------------------|------------------|---------------------|----------------|---------------|------------------|------|---|-------|-----------------|-----|--------------|
| 1,4-Dioxane      | 370              | E                   | 1.00           | 352           | E 4              | ug/L |   | -1657 | 40 - 140        | 5   | 20           |
|                  |                  |                     |                |               |                  |      |   |       |                 |     |              |
|                  | MSD              | MSD                 |                |               |                  |      |   |       |                 |     |              |
| Isotope Dilution | %Recovery        | Qualifier           | Limits         |               |                  |      |   |       |                 |     |              |
| 1,4-Dioxane-d8   | 20               |                     | 15 - 110       |               |                  |      |   |       |                 |     |              |

### Method: 310.13 - Identification of Routine Petroleum Products

Lab Sample ID: MB 480-477160/1-A

Matrix: Water

Analysis Batch: 477143

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477160

| Analyte              | MB<br>Result | MB<br>Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------------|-----------------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND           |                 | 0.20 | 0.20 | mg/L |   | 06/11/19 07:54 | 06/12/19 07:49 | 1       |
| Kerosene             | ND           |                 | 0.50 | 0.50 | mg/L |   | 06/11/19 07:54 | 06/12/19 07:49 | 1       |
| Motor Oil            | ND           |                 | 1.0  | 1.0  | mg/L |   | 06/11/19 07:54 | 06/12/19 07:49 | 1       |
| Fuel Oil #2          | ND           |                 | 0.50 | 0.50 | mg/L |   | 06/11/19 07:54 | 06/12/19 07:49 | 1       |
| Fuel Oil #4          | ND           |                 | 0.50 | 0.50 | mg/L |   | 06/11/19 07:54 | 06/12/19 07:49 | 1       |
| Fuel Oil #6          | ND           |                 | 0.50 | 0.50 | mg/L |   | 06/11/19 07:54 | 06/12/19 07:49 | 1       |
| Unknown Hydrocarbons | ND           |                 | 0.20 | 0.20 | mg/L |   | 06/11/19 07:54 | 06/12/19 07:49 | 1       |

Lab Sample ID: LCS 480-477160/2-A

Matrix: Water

Analysis Batch: 477143

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477160

| Analyte     |  |  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|-------------|--|--|----------------|---------------|------------------|------|---|------|-----------------|
| Fuel Oil #2 |  |  | 1.50           | 1.39          |                  | mg/L |   | 93   | 50 - 150        |

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

## Method: 310.13 - Identification of Routine Petroleum Products (Continued)

Lab Sample ID: 480-154627-3 MS

Matrix: Water

Analysis Batch: 477143

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477160

| Analyte     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Fuel Oil #2 | ND            | F1               | 1.58        | 3.81      | F1           | mg/L |   | 241  | 50 - 150     |

Lab Sample ID: 480-154627-3 MSD

Matrix: Water

Analysis Batch: 477143

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477160

| Analyte     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Fuel Oil #2 | ND            | F1               | 1.43        | 3.06       | F1            | mg/L |   | 214  | 50 - 150     | 22  | 50        |

## Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-477134/1-A

Matrix: Water

Analysis Batch: 477318

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477134

| Analyte             | MB Result | MB Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDD            | ND        |              | 0.050 | 0.0092 | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| 4,4'-DDE            | ND        |              | 0.050 | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| 4,4'-DDT            | ND        |              | 0.050 | 0.011  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Aldrin              | ND        |              | 0.050 | 0.0081 | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| alpha-BHC           | ND        |              | 0.050 | 0.0077 | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| cis-Chlordane       | ND        |              | 0.050 | 0.015  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| beta-BHC            | ND        |              | 0.050 | 0.025  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| delta-BHC           | 0.0101    | J            | 0.050 | 0.010  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Dieldrin            | ND        |              | 0.050 | 0.0098 | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Endosulfan I        | ND        |              | 0.050 | 0.011  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Endosulfan II       | ND        |              | 0.050 | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Endosulfan sulfate  | ND        |              | 0.050 | 0.016  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Endrin              | ND        |              | 0.050 | 0.014  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Endrin aldehyde     | ND        |              | 0.050 | 0.016  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Endrin ketone       | ND        |              | 0.050 | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| gamma-BHC (Lindane) | ND        |              | 0.050 | 0.0080 | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| trans-Chlordane     | ND        |              | 0.050 | 0.011  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Heptachlor          | ND        |              | 0.050 | 0.0085 | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Heptachlor epoxide  | ND        |              | 0.050 | 0.0074 | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Methoxychlor        | ND        |              | 0.050 | 0.014  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Toxaphene           | ND        |              | 0.50  | 0.12   | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 44           |              | 20 - 120 | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Tetrachloro-m-xylene   | 82           |              | 44 - 120 | 06/11/19 06:22 | 06/12/19 12:15 | 1       |

Lab Sample ID: LCS 480-477134/2-A

Matrix: Water

Analysis Batch: 477318

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477134

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| 4,4'-DDD | 0.400       | 0.398      |               | ug/L |   | 100  | 64 - 129     |
| 4,4'-DDE | 0.400       | 0.319      |               | ug/L |   | 80   | 50 - 120     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Lab Sample ID: LCS 480-477134/2-A

Matrix: Water

Analysis Batch: 477318

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477134

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|------|---|------|--------------|
| 4,4'-DDT            | 0.400       | 0.279      |               | ug/L |   | 70   | 59 - 120     |
| Aldrin              | 0.400       | 0.285      |               | ug/L |   | 71   | 40 - 125     |
| alpha-BHC           | 0.400       | 0.320      |               | ug/L |   | 80   | 52 - 125     |
| cis-Chlordane       | 0.400       | 0.307      |               | ug/L |   | 77   | 52 - 120     |
| beta-BHC            | 0.400       | 0.305      |               | ug/L |   | 76   | 51 - 120     |
| delta-BHC           | 0.400       | 0.365      |               | ug/L |   | 91   | 51 - 120     |
| Dieldrin            | 0.400       | 0.390      |               | ug/L |   | 98   | 66 - 128     |
| Endosulfan I        | 0.400       | 0.377      |               | ug/L |   | 94   | 57 - 120     |
| Endosulfan II       | 0.400       | 0.388      |               | ug/L |   | 97   | 66 - 131     |
| Endosulfan sulfate  | 0.400       | 0.436      |               | ug/L |   | 109  | 66 - 136     |
| Endrin              | 0.400       | 0.396      |               | ug/L |   | 99   | 65 - 135     |
| Endrin aldehyde     | 0.400       | 0.332      |               | ug/L |   | 83   | 61 - 134     |
| Endrin ketone       | 0.400       | 0.399      |               | ug/L |   | 100  | 71 - 133     |
| gamma-BHC (Lindane) | 0.400       | 0.333      |               | ug/L |   | 83   | 56 - 120     |
| trans-Chlordane     | 0.400       | 0.328      |               | ug/L |   | 82   | 54 - 120     |
| Heptachlor          | 0.400       | 0.324      |               | ug/L |   | 81   | 58 - 120     |
| Heptachlor epoxide  | 0.400       | 0.361      |               | ug/L |   | 90   | 65 - 125     |
| Methoxychlor        | 0.400       | 0.317      |               | ug/L |   | 79   | 50 - 150     |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| DCB Decachlorobiphenyl | 31            |               | 20 - 120 |
| Tetrachloro-m-xylene   | 71            |               | 44 - 120 |

Lab Sample ID: 480-154627-3 MS

Matrix: Water

Analysis Batch: 477318

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477134

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| 4,4'-DDD            | ND            | F2               | 0.400       | 0.240     |              | ug/L |   | 60   | 57 - 130     |
| 4,4'-DDE            | ND            | F2               | 0.400       | 0.165     |              | ug/L |   | 41   | 39 - 120     |
| 4,4'-DDT            | 0.031         | J F1 F2          | 0.400       | 0.165     | F1           | ug/L |   | 34   | 37 - 130     |
| Aldrin              | ND            | F2               | 0.400       | 0.172     |              | ug/L |   | 43   | 39 - 125     |
| alpha-BHC           | ND            |                  | 0.400       | 0.291     |              | ug/L |   | 73   | 48 - 120     |
| cis-Chlordane       | ND            | F2               | 0.400       | 0.215     |              | ug/L |   | 54   | 44 - 120     |
| beta-BHC            | ND            |                  | 0.400       | 0.315     |              | ug/L |   | 79   | 49 - 120     |
| delta-BHC           | 0.016         | J B              | 0.400       | 0.346     |              | ug/L |   | 83   | 50 - 120     |
| Dieldrin            | ND            |                  | 0.400       | 0.313     |              | ug/L |   | 78   | 56 - 130     |
| Endosulfan I        | ND            |                  | 0.400       | 0.276     |              | ug/L |   | 69   | 40 - 126     |
| Endosulfan II       | ND            |                  | 0.400       | 0.307     |              | ug/L |   | 77   | 59 - 140     |
| Endosulfan sulfate  | ND            |                  | 0.400       | 0.405     |              | ug/L |   | 101  | 60 - 134     |
| Endrin              | ND            | F2               | 0.400       | 0.305     |              | ug/L |   | 76   | 54 - 135     |
| Endrin aldehyde     | ND            |                  | 0.400       | 0.291     |              | ug/L |   | 73   | 50 - 142     |
| Endrin ketone       | 0.024         | J                | 0.400       | 0.388     |              | ug/L |   | 91   | 57 - 138     |
| gamma-BHC (Lindane) | 0.016         | J                | 0.400       | 0.307     |              | ug/L |   | 73   | 50 - 120     |
| trans-Chlordane     | 0.014         | J F2             | 0.400       | 0.208     |              | ug/L |   | 49   | 42 - 120     |
| Heptachlor          | ND            | F1 F2            | 0.400       | 0.214     | F1           | ug/L |   | 53   | 56 - 120     |
| Heptachlor epoxide  | ND            | F2               | 0.400       | 0.284     |              | ug/L |   | 71   | 58 - 125     |
| Methoxychlor        | ND            | F2               | 0.400       | 0.224     |              | ug/L |   | 56   | 40 - 150     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Lab Sample ID: 480-154627-3 MS

Matrix: Water

Analysis Batch: 477318

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477134

|                        | MS        | MS        |          |
|------------------------|-----------|-----------|----------|
| Surrogate              | %Recovery | Qualifier | Limits   |
| DCB Decachlorobiphenyl | 48        |           | 20 - 120 |
| Tetrachloro-m-xylene   | 58        |           | 44 - 120 |

Lab Sample ID: 480-154627-3 MSD

Matrix: Water

Analysis Batch: 477318

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477134

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| 4,4'-DDD            | ND            | F2               | 0.444       | 0.348      | F4            | ug/L |   | 78   | 57 - 130     | 37  | 23        |
| 4,4'-DDE            | ND            | F2               | 0.444       | 0.246      | F4            | ug/L |   | 55   | 39 - 120     | 39  | 22        |
| 4,4'-DDT            | 0.031         | J F1 F2          | 0.444       | 0.235      | F4            | ug/L |   | 46   | 37 - 130     | 35  | 24        |
| Aldrin              | ND            | F2               | 0.444       | 0.253      | F4            | ug/L |   | 57   | 39 - 125     | 38  | 25        |
| alpha-BHC           | ND            |                  | 0.444       | 0.344      |               | ug/L |   | 77   | 48 - 120     | 17  | 24        |
| cis-Chlordane       | ND            | F2               | 0.444       | 0.306      | F4            | ug/L |   | 69   | 44 - 120     | 35  | 23        |
| beta-BHC            | ND            |                  | 0.444       | 0.376      |               | ug/L |   | 85   | 49 - 120     | 18  | 24        |
| delta-BHC           | 0.016         | J B              | 0.444       | 0.389      |               | ug/L |   | 84   | 50 - 120     | 12  | 24        |
| Dieldrin            | ND            |                  | 0.444       | 0.394      |               | ug/L |   | 89   | 56 - 130     | 23  | 24        |
| Endosulfan I        | ND            |                  | 0.444       | 0.357      |               | ug/L |   | 80   | 40 - 126     | 26  | 30        |
| Endosulfan II       | ND            |                  | 0.444       | 0.387      |               | ug/L |   | 87   | 59 - 140     | 23  | 40        |
| Endosulfan sulfate  | ND            |                  | 0.444       | 0.500      |               | ug/L |   | 112  | 60 - 134     | 21  | 24        |
| Endrin              | ND            | F2               | 0.444       | 0.409      | F4            | ug/L |   | 92   | 54 - 135     | 29  | 24        |
| Endrin aldehyde     | ND            |                  | 0.444       | 0.358      |               | ug/L |   | 81   | 50 - 142     | 21  | 28        |
| Endrin ketone       | 0.024         | J                | 0.444       | 0.433      |               | ug/L |   | 92   | 57 - 138     | 11  | 26        |
| gamma-BHC (Lindane) | 0.016         | J                | 0.444       | 0.355      |               | ug/L |   | 76   | 50 - 120     | 14  | 24        |
| trans-Chlordane     | 0.014         | J F2             | 0.444       | 0.296      | F4            | ug/L |   | 64   | 42 - 120     | 35  | 24        |
| Heptachlor          | ND            | F1 F2            | 0.444       | 0.296      | F4            | ug/L |   | 67   | 56 - 120     | 32  | 25        |
| Heptachlor epoxide  | ND            | F2               | 0.444       | 0.365      | F4            | ug/L |   | 82   | 58 - 125     | 25  | 23        |
| Methoxychlor        | ND            | F2               | 0.444       | 0.312      | F4            | ug/L |   | 70   | 40 - 150     | 33  | 26        |

|                        | MSD       | MSD       |          |
|------------------------|-----------|-----------|----------|
| Surrogate              | %Recovery | Qualifier | Limits   |
| DCB Decachlorobiphenyl | 55        |           | 20 - 120 |
| Tetrachloro-m-xylene   | 69        |           | 44 - 120 |

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

Lab Sample ID: MB 480-477245/1-A

Matrix: Water

Analysis Batch: 477418

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477245

| Analyte  | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| PCB-1016 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| PCB-1221 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| PCB-1232 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| PCB-1242 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| PCB-1248 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| PCB-1254 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| PCB-1260 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| PCB-1262 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

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

Lab Sample ID: MB 480-477245/1-A

Matrix: Water

Analysis Batch: 477418

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477245

| Analyte                | MB<br>Result | MB<br>Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|-----------------|----------|------|------|---|----------------|----------------|---------|
| PCB-1268               | ND           |                 | 0.50     | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| Surrogate              | %Recovery    | Qualifier       | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Tetrachloro-m-xylene   | 79           |                 | 39 - 121 |      |      |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| DCB Decachlorobiphenyl | 49           |                 | 19 - 120 |      |      |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |

Lab Sample ID: LCS 480-477245/2-A

Matrix: Water

Analysis Batch: 477418

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477245

| Analyte                | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| PCB-1016               | 4.00           | 3.39          |                  | ug/L |   | 85   | 62 - 130        |
| PCB-1260               | 4.00           | 3.20          |                  | ug/L |   | 80   | 56 - 123        |
| Surrogate              | %Recovery      | Qualifier     | Limits           |      |   |      |                 |
| Tetrachloro-m-xylene   | 80             |               | 39 - 121         |      |   |      |                 |
| DCB Decachlorobiphenyl | 43             |               | 19 - 120         |      |   |      |                 |

Lab Sample ID: 480-154627-3 MS

Matrix: Water

Analysis Batch: 477418

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477245

| Analyte                | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|------------------------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|-----------------|
| PCB-1016               | ND               |                     | 4.00           | 2.31         |                 | ug/L |   | 58   | 28 - 150        |
| PCB-1260               | ND               |                     | 4.00           | 1.33         |                 | ug/L |   | 33   | 25 - 131        |
| Surrogate              | %Recovery        | Qualifier           | Limits         |              |                 |      |   |      |                 |
| Tetrachloro-m-xylene   | 53               |                     | 39 - 121       |              |                 |      |   |      |                 |
| DCB Decachlorobiphenyl | 28               |                     | 19 - 120       |              |                 |      |   |      |                 |

Lab Sample ID: 480-154627-3 MSD

Matrix: Water

Analysis Batch: 477418

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477245

| Analyte                | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|------------------------|------------------|---------------------|----------------|---------------|------------------|------|---|------|-----------------|-----|--------------|
| PCB-1016               | ND               |                     | 4.00           | 2.95          |                  | ug/L |   | 74   | 28 - 150        | 24  | 50           |
| PCB-1260               | ND               |                     | 4.00           | 1.97          |                  | ug/L |   | 49   | 25 - 131        | 39  | 50           |
| Surrogate              | %Recovery        | Qualifier           | Limits         |               |                  |      |   |      |                 |     |              |
| Tetrachloro-m-xylene   | 65               |                     | 39 - 121       |               |                  |      |   |      |                 |     |              |
| DCB Decachlorobiphenyl | 37               |                     | 19 - 120       |               |                  |      |   |      |                 |     |              |

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-477118/1-A  
Matrix: Water  
Analysis Batch: 477397

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 477118

| Analyte   | MB Result | MB Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND        |              | 0.20   | 0.060   | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Antimony  | ND        |              | 0.020  | 0.0068  | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Arsenic   | ND        |              | 0.015  | 0.0056  | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Barium    | ND        |              | 0.0020 | 0.00070 | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Beryllium | ND        |              | 0.0020 | 0.00030 | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Cadmium   | ND        |              | 0.0020 | 0.00050 | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Calcium   | ND        |              | 0.50   | 0.10    | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Chromium  | ND        |              | 0.0040 | 0.0010  | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Cobalt    | ND        |              | 0.0040 | 0.00063 | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Copper    | ND        |              | 0.010  | 0.0016  | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Iron      | ND        |              | 0.050  | 0.019   | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Lead      | ND        |              | 0.010  | 0.0030  | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Magnesium | ND        |              | 0.20   | 0.043   | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Manganese | ND        |              | 0.0030 | 0.00040 | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Nickel    | ND        |              | 0.010  | 0.0013  | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Potassium | ND        |              | 0.50   | 0.10    | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Selenium  | ND        |              | 0.025  | 0.0087  | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Silver    | ND        |              | 0.0060 | 0.0017  | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Sodium    | ND        |              | 1.0    | 0.32    | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Thallium  | ND        |              | 0.020  | 0.010   | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Vanadium  | ND        |              | 0.0050 | 0.0015  | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |
| Zinc      | ND        |              | 0.010  | 0.0015  | mg/L |   | 06/11/19 07:40 | 06/11/19 15:54 | 1       |

Lab Sample ID: LCS 480-477118/2-A  
Matrix: Water  
Analysis Batch: 477397

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 477118

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|-------------|------------|---------------|------|---|------|--------------|
| Aluminum  | 10.0        | 9.85       |               | mg/L |   | 99   | 80 - 120     |
| Antimony  | 0.200       | 0.218      |               | mg/L |   | 109  | 80 - 120     |
| Arsenic   | 0.200       | 0.196      |               | mg/L |   | 98   | 80 - 120     |
| Barium    | 0.200       | 0.204      |               | mg/L |   | 102  | 80 - 120     |
| Beryllium | 0.200       | 0.206      |               | mg/L |   | 103  | 80 - 120     |
| Cadmium   | 0.200       | 0.201      |               | mg/L |   | 100  | 80 - 120     |
| Calcium   | 10.0        | 9.95       |               | mg/L |   | 100  | 80 - 120     |
| Chromium  | 0.200       | 0.200      |               | mg/L |   | 100  | 80 - 120     |
| Cobalt    | 0.200       | 0.189      |               | mg/L |   | 95   | 80 - 120     |
| Copper    | 0.200       | 0.192      |               | mg/L |   | 96   | 80 - 120     |
| Iron      | 10.0        | 9.95       |               | mg/L |   | 99   | 80 - 120     |
| Lead      | 0.200       | 0.195      |               | mg/L |   | 98   | 80 - 120     |
| Magnesium | 10.0        | 9.80       |               | mg/L |   | 98   | 80 - 120     |
| Manganese | 0.200       | 0.198      |               | mg/L |   | 99   | 80 - 120     |
| Nickel    | 0.200       | 0.196      |               | mg/L |   | 98   | 80 - 120     |
| Potassium | 10.0        | 9.62       |               | mg/L |   | 96   | 80 - 120     |
| Selenium  | 0.200       | 0.192      |               | mg/L |   | 96   | 80 - 120     |
| Silver    | 0.0500      | 0.0487     |               | mg/L |   | 97   | 80 - 120     |
| Sodium    | 10.0        | 9.45       |               | mg/L |   | 94   | 80 - 120     |
| Thallium  | 0.200       | 0.201      |               | mg/L |   | 100  | 80 - 120     |
| Vanadium  | 0.200       | 0.198      |               | mg/L |   | 99   | 80 - 120     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-477118/2-A

Matrix: Water

Analysis Batch: 477397

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477118

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Zinc    | 0.200       | 0.202      |               | mg/L |   | 101  | 80 - 120     |

Lab Sample ID: 480-154627-3 MS

Matrix: Water

Analysis Batch: 477397

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477118

| Analyte   | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Aluminum  | ND            |                  | 10.0        | 9.96      |              | mg/L |   | 100  | 75 - 125     |
| Antimony  | ND            |                  | 0.200       | 0.226     |              | mg/L |   | 113  | 75 - 125     |
| Arsenic   | ND            |                  | 0.200       | 0.206     |              | mg/L |   | 103  | 75 - 125     |
| Barium    | 0.033         |                  | 0.200       | 0.238     |              | mg/L |   | 103  | 75 - 125     |
| Beryllium | ND            |                  | 0.200       | 0.211     |              | mg/L |   | 106  | 75 - 125     |
| Cadmium   | ND            |                  | 0.200       | 0.206     |              | mg/L |   | 103  | 75 - 125     |
| Calcium   | 79.1          |                  | 10.0        | 90.12     | 4            | mg/L |   | 110  | 75 - 125     |
| Chromium  | ND            |                  | 0.200       | 0.203     |              | mg/L |   | 101  | 75 - 125     |
| Cobalt    | ND            |                  | 0.200       | 0.195     |              | mg/L |   | 97   | 75 - 125     |
| Copper    | 0.0099        | J                | 0.200       | 0.203     |              | mg/L |   | 97   | 75 - 125     |
| Iron      | 0.030         | J                | 10.0        | 10.07     |              | mg/L |   | 100  | 75 - 125     |
| Lead      | ND            |                  | 0.200       | 0.200     |              | mg/L |   | 100  | 75 - 125     |
| Magnesium | 6.8           |                  | 10.0        | 16.93     |              | mg/L |   | 102  | 75 - 125     |
| Manganese | 0.054         |                  | 0.200       | 0.270     |              | mg/L |   | 108  | 75 - 125     |
| Nickel    | 0.0024        | J                | 0.200       | 0.203     |              | mg/L |   | 100  | 75 - 125     |
| Potassium | 2.8           |                  | 10.0        | 12.67     |              | mg/L |   | 99   | 75 - 125     |
| Selenium  | ND            |                  | 0.200       | 0.199     |              | mg/L |   | 99   | 75 - 125     |
| Silver    | ND            |                  | 0.0500      | 0.0500    |              | mg/L |   | 100  | 75 - 125     |
| Sodium    | 11.8          |                  | 10.0        | 22.16     |              | mg/L |   | 103  | 75 - 125     |
| Thallium  | ND            |                  | 0.200       | 0.204     |              | mg/L |   | 102  | 75 - 125     |
| Vanadium  | ND            |                  | 0.200       | 0.203     |              | mg/L |   | 102  | 75 - 125     |
| Zinc      | 0.023         |                  | 0.200       | 0.228     |              | mg/L |   | 102  | 75 - 125     |

Lab Sample ID: 480-154627-3 MSD

Matrix: Water

Analysis Batch: 477397

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477118

| Analyte   | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Aluminum  | ND            |                  | 10.0        | 9.70       |               | mg/L |   | 97   | 75 - 125     | 3   | 20        |
| Antimony  | ND            |                  | 0.200       | 0.218      |               | mg/L |   | 109  | 75 - 125     | 3   | 20        |
| Arsenic   | ND            |                  | 0.200       | 0.200      |               | mg/L |   | 100  | 75 - 125     | 3   | 20        |
| Barium    | 0.033         |                  | 0.200       | 0.232      |               | mg/L |   | 99   | 75 - 125     | 3   | 20        |
| Beryllium | ND            |                  | 0.200       | 0.205      |               | mg/L |   | 103  | 75 - 125     | 3   | 20        |
| Cadmium   | ND            |                  | 0.200       | 0.200      |               | mg/L |   | 100  | 75 - 125     | 3   | 20        |
| Calcium   | 79.1          |                  | 10.0        | 87.72      | 4             | mg/L |   | 86   | 75 - 125     | 3   | 20        |
| Chromium  | ND            |                  | 0.200       | 0.197      |               | mg/L |   | 99   | 75 - 125     | 3   | 20        |
| Cobalt    | ND            |                  | 0.200       | 0.189      |               | mg/L |   | 94   | 75 - 125     | 3   | 20        |
| Copper    | 0.0099        | J                | 0.200       | 0.200      |               | mg/L |   | 95   | 75 - 125     | 1   | 20        |
| Iron      | 0.030         | J                | 10.0        | 9.74       |               | mg/L |   | 97   | 75 - 125     | 3   | 20        |
| Lead      | ND            |                  | 0.200       | 0.195      |               | mg/L |   | 97   | 75 - 125     | 3   | 20        |
| Magnesium | 6.8           |                  | 10.0        | 16.25      |               | mg/L |   | 95   | 75 - 125     | 4   | 20        |
| Manganese | 0.054         |                  | 0.200       | 0.251      |               | mg/L |   | 99   | 75 - 125     | 7   | 20        |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-154627-3 MSD

Matrix: Water

Analysis Batch: 477397

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 477118

| Analyte   | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Nickel    | 0.0024        | J                | 0.200       | 0.197      |               | mg/L |   | 97   | 75 - 125     | 3   | 20        |
| Potassium | 2.8           |                  | 10.0        | 12.26      |               | mg/L |   | 95   | 75 - 125     | 3   | 20        |
| Selenium  | ND            |                  | 0.200       | 0.196      |               | mg/L |   | 98   | 75 - 125     | 1   | 20        |
| Silver    | ND            |                  | 0.0500      | 0.0484     |               | mg/L |   | 97   | 75 - 125     | 3   | 20        |
| Sodium    | 11.8          |                  | 10.0        | 21.27      |               | mg/L |   | 95   | 75 - 125     | 4   | 20        |
| Thallium  | ND            |                  | 0.200       | 0.197      |               | mg/L |   | 99   | 75 - 125     | 3   | 20        |
| Vanadium  | ND            |                  | 0.200       | 0.197      |               | mg/L |   | 99   | 75 - 125     | 3   | 20        |
| Zinc      | 0.023         |                  | 0.200       | 0.220      |               | mg/L |   | 98   | 75 - 125     | 4   | 20        |

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-476985/1-A

Matrix: Water

Analysis Batch: 477089

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 476985

| Analyte | MB Result | MB Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND        |              | 0.00020 | 0.00012 | mg/L |   | 06/10/19 11:39 | 06/10/19 14:19 | 1       |

Lab Sample ID: LCS 480-476985/2-A

Matrix: Water

Analysis Batch: 477089

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 476985

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|------|---|------|--------------|
| Mercury | 0.00667     | 0.00710    |               | mg/L |   | 106  | 80 - 120     |

Lab Sample ID: 480-154627-3 MS

Matrix: Water

Analysis Batch: 477089

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 476985

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Mercury | ND            |                  | 0.00667     | 0.00692   |              | mg/L |   | 104  | 80 - 120     |

Lab Sample ID: 480-154627-3 MSD

Matrix: Water

Analysis Batch: 477089

Client Sample ID: DEEPSUMP

Prep Type: Total/NA

Prep Batch: 476985

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Mercury | ND            |                  | 0.00667     | 0.00698    |               | mg/L |   | 105  | 80 - 120     | 1   | 20        |

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

## GC/MS VOA

### Analysis Batch: 476861

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-154627-5     | MW-4-02            | Total/NA  | Water  | 8260C  |            |
| MB 480-476861/7  | Method Blank       | Total/NA  | Water  | 8260C  |            |
| LCS 480-476861/5 | Lab Control Sample | Total/NA  | Water  | 8260C  |            |

### Analysis Batch: 476891

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-154627-3     | DEEPSUMP           | Total/NA  | Water  | 8260C  |            |
| 480-154627-4     | DEEPSUMP DUP       | Total/NA  | Water  | 8260C  |            |
| MB 480-476891/7  | Method Blank       | Total/NA  | Water  | 8260C  |            |
| LCS 480-476891/5 | Lab Control Sample | Total/NA  | Water  | 8260C  |            |
| 480-154627-3 MS  | DEEPSUMP           | Total/NA  | Water  | 8260C  |            |
| 480-154627-3 MSD | DEEPSUMP           | Total/NA  | Water  | 8260C  |            |

## GC/MS Semi VOA

### Prep Batch: 477098

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154627-1       | MW-2-10            | Total/NA  | Water  | 3510C  |            |
| 480-154627-2       | MW-10-03           | Total/NA  | Water  | 3510C  |            |
| 480-154627-3       | DEEPSUMP           | Total/NA  | Water  | 3510C  |            |
| 480-154627-4       | DEEPSUMP DUP       | Total/NA  | Water  | 3510C  |            |
| 480-154627-5       | MW-4-02            | Total/NA  | Water  | 3510C  |            |
| MB 480-477098/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-477098/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |
| 480-154627-3 MS    | DEEPSUMP           | Total/NA  | Water  | 3510C  |            |
| 480-154627-3 MSD   | DEEPSUMP           | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 477249

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154627-3       | DEEPSUMP           | Total/NA  | Water  | 3510C  |            |
| 480-154627-4       | DEEPSUMP DUP       | Total/NA  | Water  | 3510C  |            |
| 480-154627-5       | MW-4-02            | Total/NA  | Water  | 3510C  |            |
| MB 480-477249/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-477249/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |
| 480-154627-3 MS    | DEEPSUMP           | Total/NA  | Water  | 3510C  |            |
| 480-154627-3 MSD   | DEEPSUMP           | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 477426

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method       | Prep Batch |
|--------------------|--------------------|-----------|--------|--------------|------------|
| 480-154627-1       | MW-2-10            | Total/NA  | Water  | 8270D SIM ID | 477098     |
| 480-154627-2       | MW-10-03           | Total/NA  | Water  | 8270D SIM ID | 477098     |
| 480-154627-5       | MW-4-02            | Total/NA  | Water  | 8270D SIM ID | 477098     |
| MB 480-477098/1-A  | Method Blank       | Total/NA  | Water  | 8270D SIM ID | 477098     |
| LCS 480-477098/2-A | Lab Control Sample | Total/NA  | Water  | 8270D SIM ID | 477098     |

### Analysis Batch: 477902

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|------------------|------------------|-----------|--------|--------------|------------|
| 480-154627-3     | DEEPSUMP         | Total/NA  | Water  | 8270D SIM ID | 477098     |
| 480-154627-4     | DEEPSUMP DUP     | Total/NA  | Water  | 8270D SIM ID | 477098     |
| 480-154627-3 MS  | DEEPSUMP         | Total/NA  | Water  | 8270D SIM ID | 477098     |
| 480-154627-3 MSD | DEEPSUMP         | Total/NA  | Water  | 8270D SIM ID | 477098     |

Eurofins TestAmerica, Buffalo

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

## GC/MS Semi VOA

### Analysis Batch: 478194

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154627-3       | DEEPSUMP           | Total/NA  | Water  | 8270D  | 477249     |
| 480-154627-4       | DEEPSUMP DUP       | Total/NA  | Water  | 8270D  | 477249     |
| 480-154627-5       | MW-4-02            | Total/NA  | Water  | 8270D  | 477249     |
| MB 480-477249/1-A  | Method Blank       | Total/NA  | Water  | 8270D  | 477249     |
| LCS 480-477249/2-A | Lab Control Sample | Total/NA  | Water  | 8270D  | 477249     |
| 480-154627-3 MS    | DEEPSUMP           | Total/NA  | Water  | 8270D  | 477249     |
| 480-154627-3 MSD   | DEEPSUMP           | Total/NA  | Water  | 8270D  | 477249     |

## GC Semi VOA

### Prep Batch: 477134

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154627-1       | MW-2-10            | Total/NA  | Water  | 3510C  |            |
| 480-154627-3       | DEEPSUMP           | Total/NA  | Water  | 3510C  |            |
| 480-154627-4       | DEEPSUMP DUP       | Total/NA  | Water  | 3510C  |            |
| 480-154627-5       | MW-4-02            | Total/NA  | Water  | 3510C  |            |
| MB 480-477134/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-477134/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |
| 480-154627-3 MS    | DEEPSUMP           | Total/NA  | Water  | 3510C  |            |
| 480-154627-3 MSD   | DEEPSUMP           | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 477143

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154627-1       | MW-2-10            | Total/NA  | Water  | 310.13 | 477160     |
| 480-154627-2       | MW-10-03           | Total/NA  | Water  | 310.13 | 477160     |
| 480-154627-3       | DEEPSUMP           | Total/NA  | Water  | 310.13 | 477160     |
| 480-154627-4       | DEEPSUMP DUP       | Total/NA  | Water  | 310.13 | 477160     |
| 480-154627-5       | MW-4-02            | Total/NA  | Water  | 310.13 | 477160     |
| MB 480-477160/1-A  | Method Blank       | Total/NA  | Water  | 310.13 | 477160     |
| LCS 480-477160/2-A | Lab Control Sample | Total/NA  | Water  | 310.13 | 477160     |
| 480-154627-3 MS    | DEEPSUMP           | Total/NA  | Water  | 310.13 | 477160     |
| 480-154627-3 MSD   | DEEPSUMP           | Total/NA  | Water  | 310.13 | 477160     |

### Prep Batch: 477160

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154627-1       | MW-2-10            | Total/NA  | Water  | 3510C  |            |
| 480-154627-2       | MW-10-03           | Total/NA  | Water  | 3510C  |            |
| 480-154627-3       | DEEPSUMP           | Total/NA  | Water  | 3510C  |            |
| 480-154627-4       | DEEPSUMP DUP       | Total/NA  | Water  | 3510C  |            |
| 480-154627-5       | MW-4-02            | Total/NA  | Water  | 3510C  |            |
| MB 480-477160/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-477160/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |
| 480-154627-3 MS    | DEEPSUMP           | Total/NA  | Water  | 3510C  |            |
| 480-154627-3 MSD   | DEEPSUMP           | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 477245

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 480-154627-1  | MW-2-10          | Total/NA  | Water  | 3510C  |            |
| 480-154627-3  | DEEPSUMP         | Total/NA  | Water  | 3510C  |            |
| 480-154627-4  | DEEPSUMP DUP     | Total/NA  | Water  | 3510C  |            |
| 480-154627-5  | MW-4-02          | Total/NA  | Water  | 3510C  |            |

Eurofins TestAmerica, Buffalo

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

## GC Semi VOA (Continued)

### Prep Batch: 477245 (Continued)

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| MB 480-477245/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-477245/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |
| 480-154627-3 MS    | DEEPSUMP           | Total/NA  | Water  | 3510C  |            |
| 480-154627-3 MSD   | DEEPSUMP           | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 477318

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154627-1       | MW-2-10            | Total/NA  | Water  | 8081B  | 477134     |
| 480-154627-3       | DEEPSUMP           | Total/NA  | Water  | 8081B  | 477134     |
| 480-154627-4       | DEEPSUMP DUP       | Total/NA  | Water  | 8081B  | 477134     |
| 480-154627-5       | MW-4-02            | Total/NA  | Water  | 8081B  | 477134     |
| MB 480-477134/1-A  | Method Blank       | Total/NA  | Water  | 8081B  | 477134     |
| LCS 480-477134/2-A | Lab Control Sample | Total/NA  | Water  | 8081B  | 477134     |
| 480-154627-3 MS    | DEEPSUMP           | Total/NA  | Water  | 8081B  | 477134     |
| 480-154627-3 MSD   | DEEPSUMP           | Total/NA  | Water  | 8081B  | 477134     |

### Analysis Batch: 477418

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154627-1       | MW-2-10            | Total/NA  | Water  | 8082A  | 477245     |
| 480-154627-3       | DEEPSUMP           | Total/NA  | Water  | 8082A  | 477245     |
| 480-154627-4       | DEEPSUMP DUP       | Total/NA  | Water  | 8082A  | 477245     |
| 480-154627-5       | MW-4-02            | Total/NA  | Water  | 8082A  | 477245     |
| MB 480-477245/1-A  | Method Blank       | Total/NA  | Water  | 8082A  | 477245     |
| LCS 480-477245/2-A | Lab Control Sample | Total/NA  | Water  | 8082A  | 477245     |
| 480-154627-3 MS    | DEEPSUMP           | Total/NA  | Water  | 8082A  | 477245     |
| 480-154627-3 MSD   | DEEPSUMP           | Total/NA  | Water  | 8082A  | 477245     |

## Metals

### Prep Batch: 476985

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154627-3       | DEEPSUMP           | Total/NA  | Water  | 7470A  |            |
| 480-154627-4       | DEEPSUMP DUP       | Total/NA  | Water  | 7470A  |            |
| 480-154627-5       | MW-4-02            | Total/NA  | Water  | 7470A  |            |
| MB 480-476985/1-A  | Method Blank       | Total/NA  | Water  | 7470A  |            |
| LCS 480-476985/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  |            |
| 480-154627-3 MS    | DEEPSUMP           | Total/NA  | Water  | 7470A  |            |
| 480-154627-3 MSD   | DEEPSUMP           | Total/NA  | Water  | 7470A  |            |

### Analysis Batch: 477089

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154627-3       | DEEPSUMP           | Total/NA  | Water  | 7470A  | 476985     |
| 480-154627-4       | DEEPSUMP DUP       | Total/NA  | Water  | 7470A  | 476985     |
| 480-154627-5       | MW-4-02            | Total/NA  | Water  | 7470A  | 476985     |
| MB 480-476985/1-A  | Method Blank       | Total/NA  | Water  | 7470A  | 476985     |
| LCS 480-476985/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  | 476985     |
| 480-154627-3 MS    | DEEPSUMP           | Total/NA  | Water  | 7470A  | 476985     |
| 480-154627-3 MSD   | DEEPSUMP           | Total/NA  | Water  | 7470A  | 476985     |

## QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

### Metals

#### Prep Batch: 477118

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154627-3       | DEEPSUMP           | Total/NA  | Water  | 3005A  |            |
| 480-154627-4       | DEEPSUMP DUP       | Total/NA  | Water  | 3005A  |            |
| 480-154627-5       | MW-4-02            | Total/NA  | Water  | 3005A  |            |
| MB 480-477118/1-A  | Method Blank       | Total/NA  | Water  | 3005A  |            |
| LCS 480-477118/2-A | Lab Control Sample | Total/NA  | Water  | 3005A  |            |
| 480-154627-3 MS    | DEEPSUMP           | Total/NA  | Water  | 3005A  |            |
| 480-154627-3 MSD   | DEEPSUMP           | Total/NA  | Water  | 3005A  |            |

#### Analysis Batch: 477397

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154627-3       | DEEPSUMP           | Total/NA  | Water  | 6010C  | 477118     |
| 480-154627-4       | DEEPSUMP DUP       | Total/NA  | Water  | 6010C  | 477118     |
| 480-154627-5       | MW-4-02            | Total/NA  | Water  | 6010C  | 477118     |
| MB 480-477118/1-A  | Method Blank       | Total/NA  | Water  | 6010C  | 477118     |
| LCS 480-477118/2-A | Lab Control Sample | Total/NA  | Water  | 6010C  | 477118     |
| 480-154627-3 MS    | DEEPSUMP           | Total/NA  | Water  | 6010C  | 477118     |
| 480-154627-3 MSD   | DEEPSUMP           | Total/NA  | Water  | 6010C  | 477118     |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

**Client Sample ID: MW-2-10**

**Lab Sample ID: 480-154627-1**

**Date Collected: 06/06/19 09:15**

**Matrix: Water**

**Date Received: 06/06/19 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 477098       | 06/10/19 15:51       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 1               | 477426       | 06/12/19 17:45       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477160       | 06/11/19 07:54       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 477143       | 06/12/19 10:48       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477134       | 06/11/19 06:22       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 477318       | 06/12/19 13:53       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477245       | 06/11/19 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 477418       | 06/12/19 20:25       | W1T     | TAL BUF |

**Client Sample ID: MW-10-03**

**Lab Sample ID: 480-154627-2**

**Date Collected: 06/06/19 10:00**

**Matrix: Water**

**Date Received: 06/06/19 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 477098       | 06/10/19 15:51       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 10              | 477426       | 06/12/19 18:09       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477160       | 06/11/19 07:54       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 477143       | 06/12/19 11:24       | MAN     | TAL BUF |

**Client Sample ID: DEEPSUMP**

**Lab Sample ID: 480-154627-3**

**Date Collected: 06/06/19 12:30**

**Matrix: Water**

**Date Received: 06/06/19 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 2               | 476891       | 06/09/19 11:17       | AMM     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477249       | 06/11/19 15:14       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 478194       | 06/17/19 23:48       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477098       | 06/10/19 15:51       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 100             | 477902       | 06/14/19 16:59       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477160       | 06/11/19 07:54       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 477143       | 06/12/19 10:12       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477134       | 06/11/19 06:22       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 477318       | 06/12/19 13:33       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477245       | 06/11/19 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 477418       | 06/12/19 18:08       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 477118       | 06/11/19 07:40       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 477397       | 06/11/19 16:02       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 476985       | 06/10/19 11:39       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 477089       | 06/10/19 14:27       | BMB     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

**Client Sample ID: DEEPSUMP DUP**

**Lab Sample ID: 480-154627-4**

**Date Collected: 06/06/19 12:30**

**Matrix: Water**

**Date Received: 06/06/19 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 2               | 476891       | 06/09/19 11:40       | AMM     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477249       | 06/11/19 15:14       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 478194       | 06/18/19 02:35       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477098       | 06/10/19 15:51       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 100             | 477902       | 06/14/19 18:11       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477160       | 06/11/19 07:54       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 477143       | 06/12/19 12:00       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477134       | 06/11/19 06:22       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 477318       | 06/12/19 14:13       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477245       | 06/11/19 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 477418       | 06/12/19 20:37       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 477118       | 06/11/19 07:40       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 477397       | 06/11/19 16:31       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 476985       | 06/10/19 11:39       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 477089       | 06/10/19 14:35       | BMB     | TAL BUF |

**Client Sample ID: MW-4-02**

**Lab Sample ID: 480-154627-5**

**Date Collected: 06/06/19 14:30**

**Matrix: Water**

**Date Received: 06/06/19 15:55**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 476861       | 06/08/19 17:44       | AMM     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477249       | 06/11/19 15:14       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 478194       | 06/18/19 03:03       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477098       | 06/10/19 15:51       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 20              | 477426       | 06/12/19 18:57       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477160       | 06/11/19 07:54       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 477143       | 06/12/19 12:35       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477134       | 06/11/19 06:22       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 5               | 477318       | 06/12/19 15:11       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477245       | 06/11/19 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 477418       | 06/12/19 20:50       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 477118       | 06/11/19 07:40       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 477397       | 06/11/19 16:34       | LMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 476985       | 06/10/19 11:39       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 477089       | 06/10/19 14:36       | BMB     | TAL BUF |

## Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Eurofins TestAmerica, Buffalo

## Accreditation/Certification Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

### Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|-----------|---------|------------|-----------------------|-----------------|
| New York  | NELAP   | 2          | 10026                 | 03-31-20        |

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              |
|-----------------|-------------|--------|----------------------|
| 310.13          | 3510C       | Water  | Fuel Oil #2          |
| 310.13          | 3510C       | Water  | Fuel Oil #4          |
| 310.13          | 3510C       | Water  | Fuel Oil #6          |
| 310.13          | 3510C       | Water  | Gasoline             |
| 310.13          | 3510C       | Water  | Kerosene             |
| 310.13          | 3510C       | Water  | Motor Oil            |
| 310.13          | 3510C       | Water  | Unknown Hydrocarbons |



## Method Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

| Method       | Method Description                                            | Protocol | Laboratory |
|--------------|---------------------------------------------------------------|----------|------------|
| 8260C        | Volatile Organic Compounds by GC/MS                           | SW846    | TAL BUF    |
| 8270D        | Semivolatile Organic Compounds (GC/MS)                        | SW846    | TAL BUF    |
| 8270D SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | TAL BUF    |
| 310.13       | Identification of Routine Petroleum Products                  | NYASP    | TAL BUF    |
| 8081B        | Organochlorine Pesticides (GC)                                | SW846    | TAL BUF    |
| 8082A        | Polychlorinated Biphenyls (PCBs) by Gas Chromatography        | SW846    | TAL BUF    |
| 6010C        | Metals (ICP)                                                  | SW846    | TAL BUF    |
| 7470A        | Mercury (CVAA)                                                | SW846    | TAL BUF    |
| 3005A        | Preparation, Total Metals                                     | SW846    | TAL BUF    |
| 3510C        | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | TAL BUF    |
| 5030C        | Purge and Trap                                                | SW846    | TAL BUF    |
| 7470A        | Preparation, Mercury                                          | SW846    | TAL BUF    |

### Protocol References:

NYASP = New York Analytical Services Protocol

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: Vibratech #915165

Job ID: 480-154627-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 480-154627-1  | MW-2-10          | Water  | 06/06/19 09:15 | 06/06/19 15:55 |          |
| 480-154627-2  | MW-10-03         | Water  | 06/06/19 10:00 | 06/06/19 15:55 |          |
| 480-154627-3  | DEEPSUMP         | Water  | 06/06/19 12:30 | 06/06/19 15:55 |          |
| 480-154627-4  | DEEPSUMP DUP     | Water  | 06/06/19 12:30 | 06/06/19 15:55 |          |
| 480-154627-5  | MW-4-02          | Water  | 06/06/19 14:30 | 06/06/19 15:55 |          |

## TestAmerica

TAL-8210 (0713)

6.20

480-154627 Chain of Custody

6/19/2019

## Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-154627-1

**Login Number: 154627**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Harper, Marcus D**

| 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   | liro    |
| 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    |         |

## Quantitation Limit Exceptions Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154627-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

| Method | Analyte   | Matrix | Prep Type | Unit | Client RL | Lab PQL |
|--------|-----------|--------|-----------|------|-----------|---------|
| 310.13 | Motor Oil | Water  | Total/NA  | mg/L | 0.60      | 1       |

# Isotope Dilution Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154627-1

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

### Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID   | DXE<br>(15-110) |
|--------------------|--------------------|-----------------|
| 480-154627-1       | MW-2-10            | 22              |
| 480-154627-2       | MW-10-03           | 26              |
| 480-154627-3       | DEEPSUMP           | 20              |
| 480-154627-3 MS    | DEEPSUMP           | 22              |
| 480-154627-3 MSD   | DEEPSUMP           | 20              |
| 480-154627-4       | DEEPSUMP DUP       | 21              |
| 480-154627-5       | MW-4-02            | 24              |
| LCS 480-477098/2-A | Lab Control Sample | 33              |
| MB 480-477098/1-A  | Method Blank       | 31              |

#### Surrogate Legend

DXE = 1,4-Dioxane-d8



## ANALYTICAL REPORT

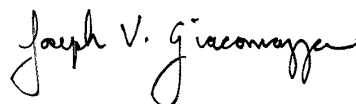
Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-154675-1  
Client Project/Site: Vibratex #915165

For:

New York State D.E.C.  
270 Michigan Avenue  
Buffalo, New York 14203

Attn: Mr. Maurice Moore



Authorized for release by:  
6/20/2019 9:37:29 AM

Joe Giacomazza, Project Management Assistant II  
[joe.giacomazza@testamericainc.com](mailto:joe.giacomazza@testamericainc.com)

Designee for

Orlette Johnson, Senior Project Manager  
(484)685-0864  
[orlette.johnson@testamericainc.com](mailto:orlette.johnson@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

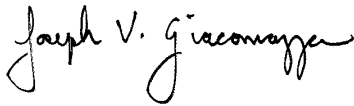
*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail 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.*

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



---

Joe Giacomazza  
Project Management Assistant II  
6/20/2019 9:37:29 AM



# Table of Contents

|                                              |    |
|----------------------------------------------|----|
| Cover Page . . . . .                         | 1  |
| Table of Contents . . . . .                  | 3  |
| Definitions . . . . .                        | 4  |
| Case Narrative . . . . .                     | 5  |
| Detection Summary . . . . .                  | 6  |
| Client Sample Results . . . . .              | 8  |
| Surrogate Summary . . . . .                  | 20 |
| QC Sample Results . . . . .                  | 22 |
| QC Association . . . . .                     | 33 |
| Chronicle . . . . .                          | 36 |
| Certification Summary . . . . .              | 38 |
| Method Summary . . . . .                     | 39 |
| Sample Summary . . . . .                     | 40 |
| Chain of Custody . . . . .                   | 41 |
| Receipt Checklists . . . . .                 | 42 |
| Detection Limit Exceptions Summary . . . . . | 43 |
| Isotope Dilution Summary . . . . .           | 44 |



## Definitions/Glossary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

### 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                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| E         | Result exceeded calibration range.                                                                             |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

#### GC Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| B         | Compound was found in the blank and sample.                                                                    |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

#### Metals

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| 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)                                                                             |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| PQL            | Practical Quantitation Limit                                                                                |
| 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)                                                                       |

# Case Narrative

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154675-1

## Job ID: 480-154675-1

### Laboratory: Eurofins TestAmerica, Buffalo

#### Narrative

#### Job Narrative 480-154675-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 6/7/2019 4:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.3° C and 3.2° C.

#### GC/MS VOA

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

#### GC/MS Semi VOA

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-478204 recovered above the upper control limit for 4-Chloroaniline. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-3-03 (480-154675-1) and MW-3-03-DUP (480-154675-2).

Method(s) 8270D: The following samples were diluted due to the nature of the sample matrix: MW-3-03 (480-154675-1) and MW-3-03-DUP (480-154675-2). Elevated reporting limits (RLs) are provided.

Method(s) 8270D SIM ID: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-3-03 (480-154675-1) and MW-3-03-DUP (480-154675-2). Elevated reporting limits (RLs) are provided.

Method(s) 8270D SIM ID: The 1,4-Dioxane result reported for samples MW-3-03 (480-154675-1), MW-3-03-DUP (480-154675-2) and (LCS 480-477098/2-A) 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.

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.

#### Metals

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

#### Organic Prep

Method(s) 3510C: Due to the matrix, the following sample could not be concentrated to the final method required volume: MW-1-10 (480-154675-3). The reporting limits (RLs) are elevated proportionately.

Method(s) 3510C: Insufficient sample volume was provided for the following sample for the 8270 SIM analysis: MW-3-10 (480-154675-4).

Method(s) 3510C: Elevated reporting limits are provided for the following sample due to insufficient sample provided for preparation: MW-3-10 (480-154675-4).

Method(s) 3510C: Elevated reporting limits are provided for the following sample due to insufficient sample provided for 8081B preparation: MW-3-03-DUP (480-154675-2).

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: Vibratech #915165

Job ID: 480-154675-1

Client Sample ID: MW-3-03

Lab Sample ID: 480-154675-1

| Analyte                | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method       | Prep Type |
|------------------------|--------|-----------|--------|---------|------|---------|---|--------------|-----------|
| 1,1,1-Trichloroethane  | 1.1    |           | 1.0    | 0.82    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,1-Dichloroethane     | 28     |           | 1.0    | 0.38    | ug/L | 1       |   | 8260C        | Total/NA  |
| Acetone                | 4.9    | J         | 10     | 3.0     | ug/L | 1       |   | 8260C        | Total/NA  |
| Benzene                | 0.51   | J         | 1.0    | 0.41    | ug/L | 1       |   | 8260C        | Total/NA  |
| Chloroethane           | 6.4    |           | 1.0    | 0.32    | ug/L | 1       |   | 8260C        | Total/NA  |
| cis-1,2-Dichloroethene | 26     |           | 1.0    | 0.81    | ug/L | 1       |   | 8260C        | Total/NA  |
| Cyclohexane            | 0.55   | J         | 1.0    | 0.18    | ug/L | 1       |   | 8260C        | Total/NA  |
| Trichloroethene        | 1.5    |           | 1.0    | 0.46    | ug/L | 1       |   | 8260C        | Total/NA  |
| Vinyl chloride         | 12     |           | 1.0    | 0.90    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,4-Dioxane            | 14     | E         | 2.0    | 1.0     | ug/L | 10      |   | 8270D SIM ID | Total/NA  |
| Motor Oil              | 11     |           | 1.0    | 1.0     | mg/L | 1       |   | 310.13       | Total/NA  |
| alpha-BHC              | 0.022  | J         | 0.050  | 0.0077  | ug/L | 1       |   | 8081B        | Total/NA  |
| gamma-BHC (Lindane)    | 0.030  | J         | 0.050  | 0.0080  | ug/L | 1       |   | 8081B        | Total/NA  |
| trans-Chlordane        | 0.015  | J         | 0.050  | 0.011   | ug/L | 1       |   | 8081B        | Total/NA  |
| Heptachlor             | 0.0091 | J         | 0.050  | 0.0085  | ug/L | 1       |   | 8081B        | Total/NA  |
| Barium                 | 0.022  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C        | Total/NA  |
| Calcium                | 82.1   |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Chromium               | 0.0011 | J         | 0.0040 | 0.0010  | mg/L | 1       |   | 6010C        | Total/NA  |
| Iron                   | 0.17   |           | 0.050  | 0.019   | mg/L | 1       |   | 6010C        | Total/NA  |
| Magnesium              | 10     |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C        | Total/NA  |
| Manganese              | 0.34   |           | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C        | Total/NA  |
| Potassium              | 3.0    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Sodium                 | 27.0   |           | 1.0    | 0.32    | mg/L | 1       |   | 6010C        | Total/NA  |

Client Sample ID: MW-3-03-DUP

Lab Sample ID: 480-154675-2

| Analyte                | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method       | Prep Type |
|------------------------|--------|-----------|--------|---------|------|---------|---|--------------|-----------|
| 1,1,1-Trichloroethane  | 1.2    |           | 1.0    | 0.82    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,1-Dichloroethane     | 35     |           | 1.0    | 0.38    | ug/L | 1       |   | 8260C        | Total/NA  |
| Benzene                | 0.63   | J         | 1.0    | 0.41    | ug/L | 1       |   | 8260C        | Total/NA  |
| Carbon disulfide       | 0.28   | J         | 1.0    | 0.19    | ug/L | 1       |   | 8260C        | Total/NA  |
| Chloroethane           | 8.6    |           | 1.0    | 0.32    | ug/L | 1       |   | 8260C        | Total/NA  |
| cis-1,2-Dichloroethene | 31     |           | 1.0    | 0.81    | ug/L | 1       |   | 8260C        | Total/NA  |
| Cyclohexane            | 0.71   | J         | 1.0    | 0.18    | ug/L | 1       |   | 8260C        | Total/NA  |
| Methylcyclohexane      | 0.38   | J         | 1.0    | 0.16    | ug/L | 1       |   | 8260C        | Total/NA  |
| Trichloroethene        | 2.0    |           | 1.0    | 0.46    | ug/L | 1       |   | 8260C        | Total/NA  |
| Vinyl chloride         | 17     |           | 1.0    | 0.90    | ug/L | 1       |   | 8260C        | Total/NA  |
| 1,4-Dioxane            | 13     | E         | 2.0    | 1.0     | ug/L | 10      |   | 8270D SIM ID | Total/NA  |
| Motor Oil              | 7.1    |           | 1.1    | 1.1     | mg/L | 1       |   | 310.13       | Total/NA  |
| 4,4'-DDT               | 0.023  | J         | 0.068  | 0.015   | ug/L | 1       |   | 8081B        | Total/NA  |
| delta-BHC              | 0.036  | J B       | 0.068  | 0.014   | ug/L | 1       |   | 8081B        | Total/NA  |
| Dieldrin               | 0.013  | J         | 0.068  | 0.013   | ug/L | 1       |   | 8081B        | Total/NA  |
| Endrin ketone          | 0.028  | J         | 0.068  | 0.016   | ug/L | 1       |   | 8081B        | Total/NA  |
| trans-Chlordane        | 0.022  | J         | 0.068  | 0.015   | ug/L | 1       |   | 8081B        | Total/NA  |
| Heptachlor             | 0.011  | J         | 0.068  | 0.011   | ug/L | 1       |   | 8081B        | Total/NA  |
| Barium                 | 0.021  |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C        | Total/NA  |
| Calcium                | 79.0   |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Chromium               | 0.0011 | J         | 0.0040 | 0.0010  | mg/L | 1       |   | 6010C        | Total/NA  |
| Iron                   | 0.18   |           | 0.050  | 0.019   | mg/L | 1       |   | 6010C        | Total/NA  |
| Magnesium              | 9.6    |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C        | Total/NA  |
| Manganese              | 0.34   |           | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C        | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

## Detection Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154675-1

### Client Sample ID: MW-3-03-DUP (Continued)

Lab Sample ID: 480-154675-2

| Analyte   | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|------|------|------|---------|---|--------|-----------|
| Potassium | 2.8    |           | 0.50 | 0.10 | mg/L | 1       |   | 6010C  | Total/NA  |
| Sodium    | 25.5   |           | 1.0  | 0.32 | mg/L | 1       |   | 6010C  | Total/NA  |

### Client Sample ID: MW-1-10

Lab Sample ID: 480-154675-3

| Analyte   | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Motor Oil | 4.2    |           | 1.1 | 1.1 | mg/L | 1       |   | 310.13 | Total/NA  |

### Client Sample ID: MW-3-10

Lab Sample ID: 480-154675-4

| Analyte     | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|-------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| 1,4-Dioxane | 0.92   |           | 0.27 | 0.13 | ug/L | 1       |   | 8270D SIM ID | Total/NA  |
| Motor Oil   | 0.52   |           | 0.39 | 0.39 | mg/L | 1       |   | 310.13       | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154675-1

Client Sample ID: MW-3-03

Lab Sample ID: 480-154675-1

Date Collected: 06/07/19 12:15

Matrix: Water

Date Received: 06/07/19 16:00

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

| Analyte                               | Result        | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|---------------|-----------|-----|------|------|---|----------|----------------|---------|
| <b>1,1,1-Trichloroethane</b>          | <b>1.1</b>    |           | 1.0 | 0.82 | ug/L |   |          | 06/11/19 11:10 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND            |           | 1.0 | 0.21 | ug/L |   |          | 06/11/19 11:10 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND            |           | 1.0 | 0.31 | ug/L |   |          | 06/11/19 11:10 | 1       |
| 1,1,2-Trichloroethane                 | ND            |           | 1.0 | 0.23 | ug/L |   |          | 06/11/19 11:10 | 1       |
| <b>1,1-Dichloroethane</b>             | <b>28</b>     |           | 1.0 | 0.38 | ug/L |   |          | 06/11/19 11:10 | 1       |
| 1,1-Dichloroethene                    | ND            |           | 1.0 | 0.29 | ug/L |   |          | 06/11/19 11:10 | 1       |
| 1,2,4-Trichlorobenzene                | ND            |           | 1.0 | 0.41 | ug/L |   |          | 06/11/19 11:10 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND            |           | 1.0 | 0.39 | ug/L |   |          | 06/11/19 11:10 | 1       |
| 1,2-Dibromoethane                     | ND            |           | 1.0 | 0.73 | ug/L |   |          | 06/11/19 11:10 | 1       |
| 1,2-Dichlorobenzene                   | ND            |           | 1.0 | 0.79 | ug/L |   |          | 06/11/19 11:10 | 1       |
| 1,2-Dichloroethane                    | ND            |           | 1.0 | 0.21 | ug/L |   |          | 06/11/19 11:10 | 1       |
| 1,2-Dichloropropane                   | ND            |           | 1.0 | 0.72 | ug/L |   |          | 06/11/19 11:10 | 1       |
| 1,3-Dichlorobenzene                   | ND            |           | 1.0 | 0.78 | ug/L |   |          | 06/11/19 11:10 | 1       |
| 1,4-Dichlorobenzene                   | ND            |           | 1.0 | 0.84 | ug/L |   |          | 06/11/19 11:10 | 1       |
| 2-Butanone (MEK)                      | ND            |           | 10  | 1.3  | ug/L |   |          | 06/11/19 11:10 | 1       |
| 2-Hexanone                            | ND            |           | 5.0 | 1.2  | ug/L |   |          | 06/11/19 11:10 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND            |           | 5.0 | 2.1  | ug/L |   |          | 06/11/19 11:10 | 1       |
| <b>Acetone</b>                        | <b>4.9 J</b>  |           | 10  | 3.0  | ug/L |   |          | 06/11/19 11:10 | 1       |
| <b>Benzene</b>                        | <b>0.51 J</b> |           | 1.0 | 0.41 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Bromodichloromethane                  | ND            |           | 1.0 | 0.39 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Bromoform                             | ND            |           | 1.0 | 0.26 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Bromomethane                          | ND            |           | 1.0 | 0.69 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Carbon disulfide                      | ND            |           | 1.0 | 0.19 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Carbon tetrachloride                  | ND            |           | 1.0 | 0.27 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Chlorobenzene                         | ND            |           | 1.0 | 0.75 | ug/L |   |          | 06/11/19 11:10 | 1       |
| <b>Chloroethane</b>                   | <b>6.4</b>    |           | 1.0 | 0.32 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Chloroform                            | ND            |           | 1.0 | 0.34 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Chloromethane                         | ND            |           | 1.0 | 0.35 | ug/L |   |          | 06/11/19 11:10 | 1       |
| <b>cis-1,2-Dichloroethene</b>         | <b>26</b>     |           | 1.0 | 0.81 | ug/L |   |          | 06/11/19 11:10 | 1       |
| cis-1,3-Dichloropropene               | ND            |           | 1.0 | 0.36 | ug/L |   |          | 06/11/19 11:10 | 1       |
| <b>Cyclohexane</b>                    | <b>0.55 J</b> |           | 1.0 | 0.18 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Dibromochloromethane                  | ND            |           | 1.0 | 0.32 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Dichlorodifluoromethane               | ND            |           | 1.0 | 0.68 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Ethylbenzene                          | ND            |           | 1.0 | 0.74 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Isopropylbenzene                      | ND            |           | 1.0 | 0.79 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Methyl acetate                        | ND            |           | 2.5 | 1.3  | ug/L |   |          | 06/11/19 11:10 | 1       |
| Methyl tert-butyl ether               | ND            |           | 1.0 | 0.16 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Methylcyclohexane                     | ND            |           | 1.0 | 0.16 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Methylene Chloride                    | ND            |           | 1.0 | 0.44 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Styrene                               | ND            |           | 1.0 | 0.73 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Tetrachloroethene                     | ND            |           | 1.0 | 0.36 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Toluene                               | ND            |           | 1.0 | 0.51 | ug/L |   |          | 06/11/19 11:10 | 1       |
| trans-1,2-Dichloroethene              | ND            |           | 1.0 | 0.90 | ug/L |   |          | 06/11/19 11:10 | 1       |
| trans-1,3-Dichloropropene             | ND            |           | 1.0 | 0.37 | ug/L |   |          | 06/11/19 11:10 | 1       |
| <b>Trichloroethene</b>                | <b>1.5</b>    |           | 1.0 | 0.46 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Trichlorofluoromethane                | ND            |           | 1.0 | 0.88 | ug/L |   |          | 06/11/19 11:10 | 1       |
| <b>Vinyl chloride</b>                 | <b>12</b>     |           | 1.0 | 0.90 | ug/L |   |          | 06/11/19 11:10 | 1       |
| Xylenes, Total                        | ND            |           | 2.0 | 0.66 | ug/L |   |          | 06/11/19 11:10 | 1       |
| t-Butyl alcohol                       | ND            |           | 10  | 3.3  | ug/L |   |          | 06/11/19 11:10 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

Client Sample ID: MW-3-03

Lab Sample ID: 480-154675-1

Date Collected: 06/07/19 12:15

Matrix: Water

Date Received: 06/07/19 16:00

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 107       |           | 77 - 120 |          | 06/11/19 11:10 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 73 - 120 |          | 06/11/19 11:10 | 1       |
| Dibromofluoromethane (Surr)  | 103       |           | 75 - 123 |          | 06/11/19 11:10 | 1       |
| Toluene-d8 (Surr)            | 96        |           | 80 - 120 |          | 06/11/19 11:10 | 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      | 14        | E         | 2.0      | 1.0 | ug/L |   | 06/10/19 15:51 | 06/12/19 20:35 | 10      |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 23        |           | 15 - 110 |     |      |   | 06/10/19 15:51 | 06/12/19 20:35 | 10      |

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

| Analyte                       | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 25 | 3.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 25 | 2.5 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 50 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 25 | 2.2 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 2-Chloronaphthalene           | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 2-Chlorophenol                | ND     |           | 25 | 2.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 2-Methylnaphthalene           | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 2-Methylphenol                | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 2-Nitroaniline                | ND     |           | 50 | 2.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 2-Nitrophenol                 | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 3-Nitroaniline                | ND     |           | 50 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 50 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 4-Chloroaniline               | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 4-Methylphenol                | ND     |           | 50 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 4-Nitroaniline                | ND     |           | 50 | 1.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 4-Nitrophenol                 | ND     |           | 50 | 7.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Acenaphthene                  | ND     |           | 25 | 2.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Acenaphthylene                | ND     |           | 25 | 1.9 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Acetophenone                  | ND     |           | 25 | 2.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Anthracene                    | ND     |           | 25 | 1.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Atrazine                      | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Benzaldehyde                  | ND     |           | 25 | 1.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Benzo(a)anthracene            | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Benzo(a)pyrene                | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Benzo(b)fluoranthene          | ND     |           | 25 | 1.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Benzo(g,h,i)perylene          | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 25 | 3.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Biphenyl                      | ND     |           | 25 | 3.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

Client Sample ID: MW-3-03

Lab Sample ID: 480-154675-1

Date Collected: 06/07/19 12:15

Matrix: Water

Date Received: 06/07/19 16:00

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

| Analyte                     | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| Bis(2-chloroethyl)ether     | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Bis(2-ethylhexyl) phthalate | ND     |           | 25 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Butyl benzyl phthalate      | ND     |           | 25 | 5.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Caprolactam                 | ND     |           | 25 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Carbazole                   | ND     |           | 25 | 1.5 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Chrysene                    | ND     |           | 25 | 1.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Dibenz(a,h)anthracene       | ND     |           | 25 | 2.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Dibenzofuran                | ND     |           | 50 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Diethyl phthalate           | ND     |           | 25 | 1.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Dimethyl phthalate          | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Di-n-butyl phthalate        | ND     |           | 25 | 1.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Di-n-octyl phthalate        | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Fluoranthene                | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Fluorene                    | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Hexachlorobenzene           | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Hexachlorobutadiene         | ND     |           | 25 | 3.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Hexachlorocyclopentadiene   | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Hexachloroethane            | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Indeno(1,2,3-cd)pyrene      | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Isophorone                  | ND     |           | 25 | 2.2 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Naphthalene                 | ND     |           | 25 | 3.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Nitrobenzene                | ND     |           | 25 | 1.5 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| N-Nitrosodi-n-propylamine   | ND     |           | 25 | 2.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| N-Nitrosodiphenylamine      | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Pentachlorophenol           | ND     |           | 50 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Phenanthrene                | ND     |           | 25 | 2.2 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Phenol                      | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Pyrene                      | ND     |           | 25 | 1.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:09 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 92        |           | 41 - 120 | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 2-Fluorobiphenyl     | 88        |           | 48 - 120 | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| 2-Fluorophenol       | 65        |           | 35 - 120 | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Nitrobenzene-d5      | 78        |           | 46 - 120 | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| Phenol-d5            | 45        |           | 22 - 120 | 06/11/19 15:14 | 06/18/19 08:09 | 5       |
| p-Terphenyl-d14      | 71        |           | 59 - 136 | 06/11/19 15:14 | 06/18/19 08:09 | 5       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.20 | 0.20 | mg/L |   | 06/11/19 07:54 | 06/12/19 13:11 | 1       |
| Kerosene             | ND     |           | 0.51 | 0.51 | mg/L |   | 06/11/19 07:54 | 06/12/19 13:11 | 1       |
| Motor Oil            | 11     |           | 1.0  | 1.0  | mg/L |   | 06/11/19 07:54 | 06/12/19 13:11 | 1       |
| Fuel Oil #2          | ND     |           | 0.51 | 0.51 | mg/L |   | 06/11/19 07:54 | 06/12/19 13:11 | 1       |
| Fuel Oil #4          | ND     |           | 0.51 | 0.51 | mg/L |   | 06/11/19 07:54 | 06/12/19 13:11 | 1       |
| Fuel Oil #6          | ND     |           | 0.51 | 0.51 | mg/L |   | 06/11/19 07:54 | 06/12/19 13:11 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.20 | 0.20 | mg/L |   | 06/11/19 07:54 | 06/12/19 13:11 | 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 |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

Client Sample ID: MW-3-03

Lab Sample ID: 480-154675-1

Date Collected: 06/07/19 12:15

Matrix: Water

Date Received: 06/07/19 16:00

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

| Analyte             | Result | Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 0.050 | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| 4,4'-DDT            | ND     |           | 0.050 | 0.011  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| Aldrin              | ND     |           | 0.050 | 0.0081 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| alpha-BHC           | 0.022  | J         | 0.050 | 0.0077 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| cis-Chlordane       | ND     |           | 0.050 | 0.015  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| beta-BHC            | ND     |           | 0.050 | 0.025  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| delta-BHC           | ND     |           | 0.050 | 0.010  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| Dieldrin            | ND     |           | 0.050 | 0.0098 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| Endosulfan I        | ND     |           | 0.050 | 0.011  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| Endosulfan II       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| Endosulfan sulfate  | ND     |           | 0.050 | 0.016  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| Endrin              | ND     |           | 0.050 | 0.014  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| Endrin aldehyde     | ND     |           | 0.050 | 0.016  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| Endrin ketone       | ND     |           | 0.050 | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| gamma-BHC (Lindane) | 0.030  | J         | 0.050 | 0.0080 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| trans-Chlordane     | 0.015  | J         | 0.050 | 0.011  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| Heptachlor          | 0.0091 | J         | 0.050 | 0.0085 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| Heptachlor epoxide  | ND     |           | 0.050 | 0.0074 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| Methoxychlor        | ND     |           | 0.050 | 0.014  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| Toxaphene           | ND     |           | 0.50  | 0.12   | ug/L |   | 06/11/19 06:22 | 06/12/19 14:32 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 63        |           | 20 - 120 | 06/11/19 06:22 | 06/12/19 14:32 | 1       |
| Tetrachloro-m-xylene   | 91        |           | 44 - 120 | 06/11/19 06:22 | 06/12/19 14:32 | 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 |   | 06/11/19 15:01 | 06/12/19 21:39 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 21:39 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 21:39 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 21:39 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 21:39 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 21:39 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 21:39 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 21:39 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 21:39 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 60        |           | 39 - 121 | 06/11/19 15:01 | 06/12/19 21:39 | 1       |
| DCB Decachlorobiphenyl | 34        |           | 19 - 120 | 06/11/19 15:01 | 06/12/19 21:39 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Barium    | 0.022  |           | 0.0020 | 0.00070 | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Calcium   | 82.1   |           | 0.50   | 0.10    | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154675-1

Client Sample ID: MW-3-03

Lab Sample ID: 480-154675-1

Date Collected: 06/07/19 12:15

Matrix: Water

Date Received: 06/07/19 16:00

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Chromium  | 0.0011 | J         | 0.0040 | 0.0010  | mg/L | — | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Iron      | 0.17   |           | 0.050  | 0.019   | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Magnesium | 10     |           | 0.20   | 0.043   | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Manganese | 0.34   |           | 0.0030 | 0.00040 | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Nickel    | ND     |           | 0.010  | 0.0013  | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Potassium | 3.0    |           | 0.50   | 0.10    | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Sodium    | 27.0   |           | 1.0    | 0.32    | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 06/12/19 09:24 | 06/15/19 15:59 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 06/12/19 09:24 | 06/18/19 12:33 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L | — | 06/11/19 11:29 | 06/11/19 14:29 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

Client Sample ID: MW-3-03-DUP

Lab Sample ID: 480-154675-2

Date Collected: 06/07/19 00:00

Matrix: Water

Date Received: 06/07/19 16:00

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

| Analyte                               | Result      | Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|-------------|-----------|-----|------|------|---|----------|----------------|---------|
| <b>1,1,1-Trichloroethane</b>          | <b>1.2</b>  |           | 1.0 | 0.82 | ug/L |   |          | 06/11/19 11:35 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND          |           | 1.0 | 0.21 | ug/L |   |          | 06/11/19 11:35 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND          |           | 1.0 | 0.31 | ug/L |   |          | 06/11/19 11:35 | 1       |
| 1,1,2-Trichloroethane                 | ND          |           | 1.0 | 0.23 | ug/L |   |          | 06/11/19 11:35 | 1       |
| <b>1,1-Dichloroethane</b>             | <b>35</b>   |           | 1.0 | 0.38 | ug/L |   |          | 06/11/19 11:35 | 1       |
| 1,1-Dichloroethene                    | ND          |           | 1.0 | 0.29 | ug/L |   |          | 06/11/19 11:35 | 1       |
| 1,2,4-Trichlorobenzene                | ND          |           | 1.0 | 0.41 | ug/L |   |          | 06/11/19 11:35 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND          |           | 1.0 | 0.39 | ug/L |   |          | 06/11/19 11:35 | 1       |
| 1,2-Dibromoethane                     | ND          |           | 1.0 | 0.73 | ug/L |   |          | 06/11/19 11:35 | 1       |
| 1,2-Dichlorobenzene                   | ND          |           | 1.0 | 0.79 | ug/L |   |          | 06/11/19 11:35 | 1       |
| 1,2-Dichloroethane                    | ND          |           | 1.0 | 0.21 | ug/L |   |          | 06/11/19 11:35 | 1       |
| 1,2-Dichloropropane                   | ND          |           | 1.0 | 0.72 | ug/L |   |          | 06/11/19 11:35 | 1       |
| 1,3-Dichlorobenzene                   | ND          |           | 1.0 | 0.78 | ug/L |   |          | 06/11/19 11:35 | 1       |
| 1,4-Dichlorobenzene                   | ND          |           | 1.0 | 0.84 | ug/L |   |          | 06/11/19 11:35 | 1       |
| 2-Butanone (MEK)                      | ND          |           | 10  | 1.3  | ug/L |   |          | 06/11/19 11:35 | 1       |
| 2-Hexanone                            | ND          |           | 5.0 | 1.2  | ug/L |   |          | 06/11/19 11:35 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND          |           | 5.0 | 2.1  | ug/L |   |          | 06/11/19 11:35 | 1       |
| Acetone                               | ND          |           | 10  | 3.0  | ug/L |   |          | 06/11/19 11:35 | 1       |
| <b>Benzene</b>                        | <b>0.63</b> | <b>J</b>  | 1.0 | 0.41 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Bromodichloromethane                  | ND          |           | 1.0 | 0.39 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Bromoform                             | ND          |           | 1.0 | 0.26 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Bromomethane                          | ND          |           | 1.0 | 0.69 | ug/L |   |          | 06/11/19 11:35 | 1       |
| <b>Carbon disulfide</b>               | <b>0.28</b> | <b>J</b>  | 1.0 | 0.19 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Carbon tetrachloride                  | ND          |           | 1.0 | 0.27 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Chlorobenzene                         | ND          |           | 1.0 | 0.75 | ug/L |   |          | 06/11/19 11:35 | 1       |
| <b>Chloroethane</b>                   | <b>8.6</b>  |           | 1.0 | 0.32 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Chloroform                            | ND          |           | 1.0 | 0.34 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Chloromethane                         | ND          |           | 1.0 | 0.35 | ug/L |   |          | 06/11/19 11:35 | 1       |
| <b>cis-1,2-Dichloroethene</b>         | <b>31</b>   |           | 1.0 | 0.81 | ug/L |   |          | 06/11/19 11:35 | 1       |
| cis-1,3-Dichloropropene               | ND          |           | 1.0 | 0.36 | ug/L |   |          | 06/11/19 11:35 | 1       |
| <b>Cyclohexane</b>                    | <b>0.71</b> | <b>J</b>  | 1.0 | 0.18 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Dibromochloromethane                  | ND          |           | 1.0 | 0.32 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Dichlorodifluoromethane               | ND          |           | 1.0 | 0.68 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Ethylbenzene                          | ND          |           | 1.0 | 0.74 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Isopropylbenzene                      | ND          |           | 1.0 | 0.79 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Methyl acetate                        | ND          |           | 2.5 | 1.3  | ug/L |   |          | 06/11/19 11:35 | 1       |
| Methyl tert-butyl ether               | ND          |           | 1.0 | 0.16 | ug/L |   |          | 06/11/19 11:35 | 1       |
| <b>Methylcyclohexane</b>              | <b>0.38</b> | <b>J</b>  | 1.0 | 0.16 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Methylene Chloride                    | ND          |           | 1.0 | 0.44 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Styrene                               | ND          |           | 1.0 | 0.73 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Tetrachloroethene                     | ND          |           | 1.0 | 0.36 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Toluene                               | ND          |           | 1.0 | 0.51 | ug/L |   |          | 06/11/19 11:35 | 1       |
| trans-1,2-Dichloroethene              | ND          |           | 1.0 | 0.90 | ug/L |   |          | 06/11/19 11:35 | 1       |
| trans-1,3-Dichloropropene             | ND          |           | 1.0 | 0.37 | ug/L |   |          | 06/11/19 11:35 | 1       |
| <b>Trichloroethene</b>                | <b>2.0</b>  |           | 1.0 | 0.46 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Trichlorofluoromethane                | ND          |           | 1.0 | 0.88 | ug/L |   |          | 06/11/19 11:35 | 1       |
| <b>Vinyl chloride</b>                 | <b>17</b>   |           | 1.0 | 0.90 | ug/L |   |          | 06/11/19 11:35 | 1       |
| Xylenes, Total                        | ND          |           | 2.0 | 0.66 | ug/L |   |          | 06/11/19 11:35 | 1       |
| t-Butyl alcohol                       | ND          |           | 10  | 3.3  | ug/L |   |          | 06/11/19 11:35 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

Client Sample ID: MW-3-03-DUP

Lab Sample ID: 480-154675-2

Date Collected: 06/07/19 00:00

Matrix: Water

Date Received: 06/07/19 16:00

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 116       |           | 77 - 120 |          | 06/11/19 11:35 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 73 - 120 |          | 06/11/19 11:35 | 1       |
| Dibromofluoromethane (Surr)  | 105       |           | 75 - 123 |          | 06/11/19 11:35 | 1       |
| Toluene-d8 (Surr)            | 93        |           | 80 - 120 |          | 06/11/19 11:35 | 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      | 13        | E         | 2.0      | 1.0 | ug/L |   | 06/10/19 15:51 | 06/12/19 20:59 | 10      |
| Isotope Dilution | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 24        |           | 15 - 110 |     |      |   | 06/10/19 15:51 | 06/12/19 20:59 | 10      |

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

| Analyte                       | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol         | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 2,4,6-Trichlorophenol         | ND     |           | 25 | 3.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 2,4-Dichlorophenol            | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 2,4-Dimethylphenol            | ND     |           | 25 | 2.5 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 2,4-Dinitrophenol             | ND     |           | 50 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 2,4-Dinitrotoluene            | ND     |           | 25 | 2.2 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 2,6-Dinitrotoluene            | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 2-Chloronaphthalene           | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 2-Chlorophenol                | ND     |           | 25 | 2.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 2-Methylnaphthalene           | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 2-Methylphenol                | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 2-Nitroaniline                | ND     |           | 50 | 2.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 2-Nitrophenol                 | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 3,3'-Dichlorobenzidine        | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 3-Nitroaniline                | ND     |           | 50 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 50 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 4-Bromophenyl phenyl ether    | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 4-Chloro-3-methylphenol       | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 4-Chloroaniline               | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 4-Chlorophenyl phenyl ether   | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 4-Methylphenol                | ND     |           | 50 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 4-Nitroaniline                | ND     |           | 50 | 1.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 4-Nitrophenol                 | ND     |           | 50 | 7.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Acenaphthene                  | ND     |           | 25 | 2.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Acenaphthylene                | ND     |           | 25 | 1.9 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Acetophenone                  | ND     |           | 25 | 2.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Anthracene                    | ND     |           | 25 | 1.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Atrazine                      | ND     |           | 25 | 2.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Benzaldehyde                  | ND     |           | 25 | 1.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Benzo(a)anthracene            | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Benzo(a)pyrene                | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Benzo(b)fluoranthene          | ND     |           | 25 | 1.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Benzo(g,h,i)perylene          | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Benzo(k)fluoranthene          | ND     |           | 25 | 3.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Biphenyl                      | ND     |           | 25 | 3.3 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| bis (2-chloroisopropyl) ether | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Bis(2-chloroethoxy)methane    | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

Client Sample ID: MW-3-03-DUP

Lab Sample ID: 480-154675-2

Date Collected: 06/07/19 00:00

Matrix: Water

Date Received: 06/07/19 16:00

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

| Analyte                     | Result | Qualifier | RL | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|----|-----|------|---|----------------|----------------|---------|
| Bis(2-chloroethyl)ether     | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Bis(2-ethylhexyl) phthalate | ND     |           | 25 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Butyl benzyl phthalate      | ND     |           | 25 | 5.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Caprolactam                 | ND     |           | 25 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Carbazole                   | ND     |           | 25 | 1.5 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Chrysene                    | ND     |           | 25 | 1.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Dibenz(a,h)anthracene       | ND     |           | 25 | 2.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Dibenzofuran                | ND     |           | 50 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Diethyl phthalate           | ND     |           | 25 | 1.1 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Dimethyl phthalate          | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Di-n-butyl phthalate        | ND     |           | 25 | 1.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Di-n-octyl phthalate        | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Fluoranthene                | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Fluorene                    | ND     |           | 25 | 1.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Hexachlorobenzene           | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Hexachlorobutadiene         | ND     |           | 25 | 3.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Hexachlorocyclopentadiene   | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Hexachloroethane            | ND     |           | 25 | 3.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Indeno(1,2,3-cd)pyrene      | ND     |           | 25 | 2.4 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Isophorone                  | ND     |           | 25 | 2.2 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Naphthalene                 | ND     |           | 25 | 3.8 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Nitrobenzene                | ND     |           | 25 | 1.5 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| N-Nitrosodi-n-propylamine   | ND     |           | 25 | 2.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| N-Nitrosodiphenylamine      | ND     |           | 25 | 2.6 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Pentachlorophenol           | ND     |           | 50 | 11  | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Phenanthrene                | ND     |           | 25 | 2.2 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Phenol                      | ND     |           | 25 | 2.0 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Pyrene                      | ND     |           | 25 | 1.7 | ug/L |   | 06/11/19 15:14 | 06/18/19 08:37 | 5       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 91        |           | 41 - 120 | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 2-Fluorobiphenyl     | 89        |           | 48 - 120 | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| 2-Fluorophenol       | 62        |           | 35 - 120 | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Nitrobenzene-d5      | 77        |           | 46 - 120 | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| Phenol-d5            | 40        |           | 22 - 120 | 06/11/19 15:14 | 06/18/19 08:37 | 5       |
| p-Terphenyl-d14      | 65        |           | 59 - 136 | 06/11/19 15:14 | 06/18/19 08:37 | 5       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.22 | 0.22 | mg/L |   | 06/11/19 07:54 | 06/12/19 14:23 | 1       |
| Kerosene             | ND     |           | 0.54 | 0.54 | mg/L |   | 06/11/19 07:54 | 06/12/19 14:23 | 1       |
| Motor Oil            | 7.1    |           | 1.1  | 1.1  | mg/L |   | 06/11/19 07:54 | 06/12/19 14:23 | 1       |
| Fuel Oil #2          | ND     |           | 0.54 | 0.54 | mg/L |   | 06/11/19 07:54 | 06/12/19 14:23 | 1       |
| Fuel Oil #4          | ND     |           | 0.54 | 0.54 | mg/L |   | 06/11/19 07:54 | 06/12/19 14:23 | 1       |
| Fuel Oil #6          | ND     |           | 0.54 | 0.54 | mg/L |   | 06/11/19 07:54 | 06/12/19 14:23 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.22 | 0.22 | mg/L |   | 06/11/19 07:54 | 06/12/19 14:23 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte  | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 4,4'-DDD | ND     |           | 0.068 | 0.012 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

Client Sample ID: MW-3-03-DUP

Lab Sample ID: 480-154675-2

Date Collected: 06/07/19 00:00

Matrix: Water

Date Received: 06/07/19 16:00

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

| Analyte             | Result | Qualifier | RL    | MDL   | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|-------|------|---|----------------|----------------|---------|
| 4,4'-DDE            | ND     |           | 0.068 | 0.016 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| 4,4'-DDT            | 0.023  | J         | 0.068 | 0.015 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| Aldrin              | ND     |           | 0.068 | 0.011 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| alpha-BHC           | ND     |           | 0.068 | 0.010 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| cis-Chlordane       | ND     |           | 0.068 | 0.020 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| beta-BHC            | ND     |           | 0.068 | 0.034 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| delta-BHC           | 0.036  | J B       | 0.068 | 0.014 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| Dieldrin            | 0.013  | J         | 0.068 | 0.013 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| Endosulfan I        | ND     |           | 0.068 | 0.015 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| Endosulfan II       | ND     |           | 0.068 | 0.016 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| Endosulfan sulfate  | ND     |           | 0.068 | 0.021 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| Endrin              | ND     |           | 0.068 | 0.019 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| Endrin aldehyde     | ND     |           | 0.068 | 0.022 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| Endrin ketone       | 0.028  | J         | 0.068 | 0.016 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| gamma-BHC (Lindane) | ND     |           | 0.068 | 0.011 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| trans-Chlordane     | 0.022  | J         | 0.068 | 0.015 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| Heptachlor          | 0.011  | J         | 0.068 | 0.011 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| Heptachlor epoxide  | ND     |           | 0.068 | 0.010 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| Methoxychlor        | ND     |           | 0.068 | 0.019 | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| Toxaphene           | ND     |           | 0.68  | 0.16  | ug/L |   | 06/11/19 06:22 | 06/12/19 14:52 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 45        |           | 20 - 120 | 06/11/19 06:22 | 06/12/19 14:52 | 1       |
| Tetrachloro-m-xylene   | 101       |           | 44 - 120 | 06/11/19 06:22 | 06/12/19 14:52 | 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 |   | 06/11/19 15:01 | 06/12/19 21:52 | 1       |
| PCB-1221 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 21:52 | 1       |
| PCB-1232 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 21:52 | 1       |
| PCB-1242 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 21:52 | 1       |
| PCB-1248 | ND     |           | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 21:52 | 1       |
| PCB-1254 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 21:52 | 1       |
| PCB-1260 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 21:52 | 1       |
| PCB-1262 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 21:52 | 1       |
| PCB-1268 | ND     |           | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 21:52 | 1       |

| Surrogate              | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 62        |           | 39 - 121 | 06/11/19 15:01 | 06/12/19 21:52 | 1       |
| DCB Decachlorobiphenyl | 34        |           | 19 - 120 | 06/11/19 15:01 | 06/12/19 21:52 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND     |           | 0.20   | 0.060   | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Antimony  | ND     |           | 0.020  | 0.0068  | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Arsenic   | ND     |           | 0.015  | 0.0056  | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Barium    | 0.021  |           | 0.0020 | 0.00070 | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Beryllium | ND     |           | 0.0020 | 0.00030 | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Cadmium   | ND     |           | 0.0020 | 0.00050 | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Calcium   | 79.0   |           | 0.50   | 0.10    | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154675-1

Client Sample ID: MW-3-03-DUP

Lab Sample ID: 480-154675-2

Date Collected: 06/07/19 00:00

Matrix: Water

Date Received: 06/07/19 16:00

## Method: 6010C - Metals (ICP) (Continued)

| Analyte   | Result | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Chromium  | 0.0011 | J         | 0.0040 | 0.0010  | mg/L | — | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Cobalt    | ND     |           | 0.0040 | 0.00063 | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Copper    | ND     |           | 0.010  | 0.0016  | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Iron      | 0.18   |           | 0.050  | 0.019   | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Lead      | ND     |           | 0.010  | 0.0030  | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Magnesium | 9.6    |           | 0.20   | 0.043   | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Manganese | 0.34   |           | 0.0030 | 0.00040 | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Nickel    | ND     |           | 0.010  | 0.0013  | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Potassium | 2.8    |           | 0.50   | 0.10    | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Selenium  | ND     |           | 0.025  | 0.0087  | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Silver    | ND     |           | 0.0060 | 0.0017  | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Sodium    | 25.5   |           | 1.0    | 0.32    | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Thallium  | ND     |           | 0.020  | 0.010   | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Vanadium  | ND     |           | 0.0050 | 0.0015  | mg/L |   | 06/12/19 09:24 | 06/15/19 16:03 | 1       |
| Zinc      | ND     |           | 0.010  | 0.0015  | mg/L |   | 06/12/19 09:24 | 06/18/19 12:37 | 1       |

## Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L | — | 06/11/19 11:29 | 06/11/19 14:35 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154675-1

**Client Sample ID: MW-1-10**

**Lab Sample ID: 480-154675-3**

**Date Collected: 06/07/19 14:05**

**Matrix: Water**

**Date Received: 06/07/19 16:00**

## 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      | ND        |           | 1.0      | 0.50 | ug/L |   | 06/10/19 15:51 | 06/14/19 18:35 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 27        |           | 15 - 110 |      |      |   | 06/10/19 15:51 | 06/14/19 18:35 | 1       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.22 | 0.22 | mg/L |   | 06/11/19 07:54 | 06/12/19 14:59 | 1       |
| Kerosene             | ND     |           | 0.54 | 0.54 | mg/L |   | 06/11/19 07:54 | 06/12/19 14:59 | 1       |
| Motor Oil            | 4.2    |           | 1.1  | 1.1  | mg/L |   | 06/11/19 07:54 | 06/12/19 14:59 | 1       |
| Fuel Oil #2          | ND     |           | 0.54 | 0.54 | mg/L |   | 06/11/19 07:54 | 06/12/19 14:59 | 1       |
| Fuel Oil #4          | ND     |           | 0.54 | 0.54 | mg/L |   | 06/11/19 07:54 | 06/12/19 14:59 | 1       |
| Fuel Oil #6          | ND     |           | 0.54 | 0.54 | mg/L |   | 06/11/19 07:54 | 06/12/19 14:59 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.22 | 0.22 | mg/L |   | 06/11/19 07:54 | 06/12/19 14:59 | 1       |



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

**Client Sample ID: MW-3-10**

**Lab Sample ID: 480-154675-4**

Date Collected: 06/07/19 14:20

Matrix: Water

Date Received: 06/07/19 16:00

## 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      | 0.92      |           | 0.27     | 0.13 | ug/L | — | 06/10/19 15:51 | 06/12/19 21:48 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 29        |           | 15 - 110 |      |      |   | 06/10/19 15:51 | 06/12/19 21:48 | 1       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.26 | 0.26 | mg/L | — | 06/11/19 07:54 | 06/12/19 15:36 | 1       |
| Kerosene             | ND     |           | 0.66 | 0.66 | mg/L | — | 06/11/19 07:54 | 06/12/19 15:36 | 1       |
| Motor Oil            | 0.52   |           | 0.39 | 0.39 | mg/L | — | 06/11/19 07:54 | 06/12/19 15:36 | 1       |
| Fuel Oil #2          | ND     |           | 0.66 | 0.66 | mg/L | — | 06/11/19 07:54 | 06/12/19 15:36 | 1       |
| Fuel Oil #4          | ND     |           | 0.66 | 0.66 | mg/L | — | 06/11/19 07:54 | 06/12/19 15:36 | 1       |
| Fuel Oil #6          | ND     |           | 0.66 | 0.66 | mg/L | — | 06/11/19 07:54 | 06/12/19 15:36 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.26 | 0.26 | mg/L | — | 06/11/19 07:54 | 06/12/19 15:36 | 1       |

## Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID    | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                 |
|------------------|--------------------|------------------------------------------------|-----------------|------------------|-----------------|
|                  |                    | DCA<br>(77-120)                                | BFB<br>(73-120) | DBFM<br>(75-123) | TOL<br>(80-120) |
| 480-154675-1     | MW-3-03            | 107                                            | 94              | 103              | 96              |
| 480-154675-2     | MW-3-03-DUP        | 116                                            | 99              | 105              | 93              |
| LCS 480-477138/5 | Lab Control Sample | 106                                            | 100             | 100              | 99              |
| MB 480-477138/7  | Method Blank       | 119                                            | 97              | 113              | 92              |

#### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane (Surr)  
TOL = Toluene-d8 (Surr)

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                 |                 |                    |
|--------------------|--------------------|------------------------------------------------|-----------------|-----------------|-----------------|-----------------|--------------------|
|                    |                    | TBP<br>(41-120)                                | FBP<br>(48-120) | 2FP<br>(35-120) | NBZ<br>(46-120) | PHL<br>(22-120) | TPHd14<br>(59-136) |
| 480-154675-1       | MW-3-03            | 92                                             | 88              | 65              | 78              | 45              | 71                 |
| 480-154675-2       | MW-3-03-DUP        | 91                                             | 89              | 62              | 77              | 40              | 65                 |
| LCS 480-477249/2-A | Lab Control Sample | 103                                            | 96              | 70              | 87              | 54              | 98                 |
| MB 480-477249/1-A  | Method Blank       | 92                                             | 101             | 70              | 91              | 51              | 101                |

#### Surrogate Legend

TBP = 2,4,6-Tribromophenol  
FBP = 2-Fluorobiphenyl  
2FP = 2-Fluorophenol  
NBZ = Nitrobenzene-d5  
PHL = Phenol-d5  
TPHd14 = p-Terphenyl-d14

### Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID   | Percent Surrogate Recovery (Acceptance Limits) |                  |
|--------------------|--------------------|------------------------------------------------|------------------|
|                    |                    | DCBP1<br>(20-120)                              | TCX1<br>(44-120) |
| 480-154675-1       | MW-3-03            | 63                                             | 91               |
| 480-154675-2       | MW-3-03-DUP        | 45                                             | 101              |
| LCS 480-477134/2-A | Lab Control Sample | 31                                             | 71               |
| MB 480-477134/1-A  | Method Blank       | 44                                             | 82               |

#### Surrogate Legend

DCBP = DCB Decachlorobiphenyl  
TCX = Tetrachloro-m-xylene

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |                   |
|---------------|------------------|------------------------------------------------|-------------------|
|               |                  | TCX1<br>(39-121)                               | DCBP1<br>(19-120) |
| 480-154675-1  | MW-3-03          | 60                                             | 34                |

Eurofins TestAmerica, Buffalo

## Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154675-1

### 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   | TCX1<br>(39-121) | DCBP1<br>(19-120) |
|--------------------|--------------------|------------------|-------------------|
| 480-154675-2       | MW-3-03-DUP        | 62               | 34                |
| LCS 480-477245/2-A | Lab Control Sample | 80               | 43                |
| MB 480-477245/1-A  | Method Blank       | 79               | 49                |

#### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

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

Lab Sample ID: MB 480-477138/7

Matrix: Water

Analysis Batch: 477138

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                               | MB<br>Result | MB<br>Qualifier | RL  | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------------|--------------|-----------------|-----|------|------|---|----------|----------------|---------|
| 1,1,1-Trichloroethane                 | ND           |                 | 1.0 | 0.82 | ug/L |   |          | 06/11/19 10:10 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND           |                 | 1.0 | 0.21 | ug/L |   |          | 06/11/19 10:10 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND           |                 | 1.0 | 0.31 | ug/L |   |          | 06/11/19 10:10 | 1       |
| 1,1,2-Trichloroethane                 | ND           |                 | 1.0 | 0.23 | ug/L |   |          | 06/11/19 10:10 | 1       |
| 1,1-Dichloroethane                    | ND           |                 | 1.0 | 0.38 | ug/L |   |          | 06/11/19 10:10 | 1       |
| 1,1-Dichloroethene                    | ND           |                 | 1.0 | 0.29 | ug/L |   |          | 06/11/19 10:10 | 1       |
| 1,2,4-Trichlorobenzene                | ND           |                 | 1.0 | 0.41 | ug/L |   |          | 06/11/19 10:10 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND           |                 | 1.0 | 0.39 | ug/L |   |          | 06/11/19 10:10 | 1       |
| 1,2-Dibromoethane                     | ND           |                 | 1.0 | 0.73 | ug/L |   |          | 06/11/19 10:10 | 1       |
| 1,2-Dichlorobenzene                   | ND           |                 | 1.0 | 0.79 | ug/L |   |          | 06/11/19 10:10 | 1       |
| 1,2-Dichloroethane                    | ND           |                 | 1.0 | 0.21 | ug/L |   |          | 06/11/19 10:10 | 1       |
| 1,2-Dichloropropane                   | ND           |                 | 1.0 | 0.72 | ug/L |   |          | 06/11/19 10:10 | 1       |
| 1,3-Dichlorobenzene                   | ND           |                 | 1.0 | 0.78 | ug/L |   |          | 06/11/19 10:10 | 1       |
| 1,4-Dichlorobenzene                   | ND           |                 | 1.0 | 0.84 | ug/L |   |          | 06/11/19 10:10 | 1       |
| 2-Butanone (MEK)                      | ND           |                 | 10  | 1.3  | ug/L |   |          | 06/11/19 10:10 | 1       |
| 2-Hexanone                            | ND           |                 | 5.0 | 1.2  | ug/L |   |          | 06/11/19 10:10 | 1       |
| 4-Methyl-2-pentanone (MIBK)           | ND           |                 | 5.0 | 2.1  | ug/L |   |          | 06/11/19 10:10 | 1       |
| Acetone                               | ND           |                 | 10  | 3.0  | ug/L |   |          | 06/11/19 10:10 | 1       |
| Benzene                               | ND           |                 | 1.0 | 0.41 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Bromodichloromethane                  | ND           |                 | 1.0 | 0.39 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Bromoform                             | ND           |                 | 1.0 | 0.26 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Bromomethane                          | ND           |                 | 1.0 | 0.69 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Carbon disulfide                      | ND           |                 | 1.0 | 0.19 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Carbon tetrachloride                  | ND           |                 | 1.0 | 0.27 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Chlorobenzene                         | ND           |                 | 1.0 | 0.75 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Chloroethane                          | ND           |                 | 1.0 | 0.32 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Chloroform                            | ND           |                 | 1.0 | 0.34 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Chloromethane                         | ND           |                 | 1.0 | 0.35 | ug/L |   |          | 06/11/19 10:10 | 1       |
| cis-1,2-Dichloroethene                | ND           |                 | 1.0 | 0.81 | ug/L |   |          | 06/11/19 10:10 | 1       |
| cis-1,3-Dichloropropene               | ND           |                 | 1.0 | 0.36 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Cyclohexane                           | ND           |                 | 1.0 | 0.18 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Dibromochloromethane                  | ND           |                 | 1.0 | 0.32 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Dichlorodifluoromethane               | ND           |                 | 1.0 | 0.68 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Ethylbenzene                          | ND           |                 | 1.0 | 0.74 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Isopropylbenzene                      | ND           |                 | 1.0 | 0.79 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Methyl acetate                        | ND           |                 | 2.5 | 1.3  | ug/L |   |          | 06/11/19 10:10 | 1       |
| Methyl tert-butyl ether               | ND           |                 | 1.0 | 0.16 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Methylcyclohexane                     | ND           |                 | 1.0 | 0.16 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Methylene Chloride                    | ND           |                 | 1.0 | 0.44 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Styrene                               | ND           |                 | 1.0 | 0.73 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Tetrachloroethene                     | ND           |                 | 1.0 | 0.36 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Toluene                               | ND           |                 | 1.0 | 0.51 | ug/L |   |          | 06/11/19 10:10 | 1       |
| trans-1,2-Dichloroethene              | ND           |                 | 1.0 | 0.90 | ug/L |   |          | 06/11/19 10:10 | 1       |
| trans-1,3-Dichloropropene             | ND           |                 | 1.0 | 0.37 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Trichloroethene                       | ND           |                 | 1.0 | 0.46 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Trichlorofluoromethane                | ND           |                 | 1.0 | 0.88 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Vinyl chloride                        | ND           |                 | 1.0 | 0.90 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Xylenes, Total                        | ND           |                 | 2.0 | 0.66 | ug/L |   |          | 06/11/19 10:10 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

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

Lab Sample ID: MB 480-477138/7

Matrix: Water

Analysis Batch: 477138

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                      | MB<br>Result    | MB<br>Qualifier | RL       | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------------|-----------------|----------|-----|------|---|----------|----------------|---------|
| t-Butyl alcohol              | ND              |                 | 10       | 3.3 | ug/L |   |          | 06/11/19 10:10 | 1       |
| Surrogate                    | MB<br>%Recovery | MB<br>Qualifier | Limits   |     |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 119             |                 | 77 - 120 |     |      |   |          | 06/11/19 10:10 | 1       |
| 4-Bromofluorobenzene (Surr)  | 97              |                 | 73 - 120 |     |      |   |          | 06/11/19 10:10 | 1       |
| Dibromofluoromethane (Surr)  | 113             |                 | 75 - 123 |     |      |   |          | 06/11/19 10:10 | 1       |
| Toluene-d8 (Surr)            | 92              |                 | 80 - 120 |     |      |   |          | 06/11/19 10:10 | 1       |

Lab Sample ID: LCS 480-477138/5

Matrix: Water

Analysis Batch: 477138

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                               | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------------------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 1,1,1-Trichloroethane                 | 25.0           | 30.0          |                  | ug/L |   | 120  | 73 - 126        |
| 1,1,2,2-Tetrachloroethane             | 25.0           | 21.2          |                  | ug/L |   | 85   | 76 - 120        |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 25.0           | 24.4          |                  | ug/L |   | 98   | 61 - 148        |
| 1,1,2-Trichloroethane                 | 25.0           | 23.8          |                  | ug/L |   | 95   | 76 - 122        |
| 1,1-Dichloroethane                    | 25.0           | 24.7          |                  | ug/L |   | 99   | 77 - 120        |
| 1,1-Dichloroethene                    | 25.0           | 24.5          |                  | ug/L |   | 98   | 66 - 127        |
| 1,2,4-Trichlorobenzene                | 25.0           | 24.8          |                  | ug/L |   | 99   | 79 - 122        |
| 1,2-Dibromo-3-Chloropropane           | 25.0           | 23.5          |                  | ug/L |   | 94   | 56 - 134        |
| 1,2-Dibromoethane                     | 25.0           | 23.0          |                  | ug/L |   | 92   | 77 - 120        |
| 1,2-Dichlorobenzene                   | 25.0           | 24.0          |                  | ug/L |   | 96   | 80 - 124        |
| 1,2-Dichloroethane                    | 25.0           | 26.2          |                  | ug/L |   | 105  | 75 - 120        |
| 1,2-Dichloropropane                   | 25.0           | 21.6          |                  | ug/L |   | 87   | 76 - 120        |
| 1,3-Dichlorobenzene                   | 25.0           | 23.8          |                  | ug/L |   | 95   | 77 - 120        |
| 1,4-Dichlorobenzene                   | 25.0           | 23.9          |                  | ug/L |   | 96   | 80 - 120        |
| 2-Butanone (MEK)                      | 125            | 93.4          |                  | ug/L |   | 75   | 57 - 140        |
| 2-Hexanone                            | 125            | 102           |                  | ug/L |   | 82   | 65 - 127        |
| 4-Methyl-2-pentanone (MIBK)           | 125            | 98.6          |                  | ug/L |   | 79   | 71 - 125        |
| Acetone                               | 125            | 113           |                  | ug/L |   | 90   | 56 - 142        |
| Benzene                               | 25.0           | 23.6          |                  | ug/L |   | 94   | 71 - 124        |
| Bromodichloromethane                  | 25.0           | 27.0          |                  | ug/L |   | 108  | 80 - 122        |
| Bromoform                             | 25.0           | 25.8          |                  | ug/L |   | 103  | 61 - 132        |
| Bromomethane                          | 25.0           | 23.4          |                  | ug/L |   | 94   | 55 - 144        |
| Carbon disulfide                      | 25.0           | 24.6          |                  | ug/L |   | 98   | 59 - 134        |
| Carbon tetrachloride                  | 25.0           | 32.4          |                  | ug/L |   | 130  | 72 - 134        |
| Chlorobenzene                         | 25.0           | 24.9          |                  | ug/L |   | 100  | 80 - 120        |
| Chloroethane                          | 25.0           | 22.1          |                  | ug/L |   | 88   | 69 - 136        |
| Chloroform                            | 25.0           | 22.4          |                  | ug/L |   | 90   | 73 - 127        |
| Chloromethane                         | 25.0           | 21.1          |                  | ug/L |   | 84   | 68 - 124        |
| cis-1,2-Dichloroethene                | 25.0           | 23.0          |                  | ug/L |   | 92   | 74 - 124        |
| cis-1,3-Dichloropropene               | 25.0           | 26.9          |                  | ug/L |   | 107  | 74 - 124        |
| Cyclohexane                           | 25.0           | 22.4          |                  | ug/L |   | 90   | 59 - 135        |
| Dibromochloromethane                  | 25.0           | 28.6          |                  | ug/L |   | 114  | 75 - 125        |
| Dichlorodifluoromethane               | 25.0           | 24.3          |                  | ug/L |   | 97   | 59 - 135        |
| Ethylbenzene                          | 25.0           | 25.3          |                  | ug/L |   | 101  | 77 - 123        |
| Isopropylbenzene                      | 25.0           | 25.1          |                  | ug/L |   | 100  | 77 - 122        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154675-1

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

Lab Sample ID: LCS 480-477138/5

Matrix: Water

Analysis Batch: 477138

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Methyl acetate            | 50.0        | 37.7       |               | ug/L |   | 75   | 74 - 133     |
| Methyl tert-butyl ether   | 25.0        | 24.9       |               | ug/L |   | 100  | 77 - 120     |
| Methylcyclohexane         | 25.0        | 23.6       |               | ug/L |   | 94   | 68 - 134     |
| Methylene Chloride        | 25.0        | 21.0       |               | ug/L |   | 84   | 75 - 124     |
| Styrene                   | 25.0        | 25.5       |               | ug/L |   | 102  | 80 - 120     |
| Tetrachloroethene         | 25.0        | 28.8       |               | ug/L |   | 115  | 74 - 122     |
| Toluene                   | 25.0        | 24.8       |               | ug/L |   | 99   | 80 - 122     |
| trans-1,2-Dichloroethene  | 25.0        | 25.1       |               | ug/L |   | 100  | 73 - 127     |
| trans-1,3-Dichloropropene | 25.0        | 26.7       |               | ug/L |   | 107  | 80 - 120     |
| Trichloroethene           | 25.0        | 24.4       |               | ug/L |   | 98   | 74 - 123     |
| Trichlorofluoromethane    | 25.0        | 23.2       |               | ug/L |   | 93   | 62 - 150     |
| Vinyl chloride            | 25.0        | 21.8       |               | ug/L |   | 87   | 65 - 133     |
| t-Butyl alcohol           | 250         | 216        |               | ug/L |   | 87   | 75 - 125     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 106           |               | 77 - 120 |
| 4-Bromofluorobenzene (Surr)  | 100           |               | 73 - 120 |
| Dibromofluoromethane (Surr)  | 100           |               | 75 - 123 |
| Toluene-d8 (Surr)            | 99            |               | 80 - 120 |

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

Lab Sample ID: MB 480-477249/1-A

Matrix: Water

Analysis Batch: 478194

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477249

| Analyte                     | MB Result | MB Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|--------------|-----|------|------|---|----------------|----------------|---------|
| 2,4,5-Trichlorophenol       | ND        |              | 5.0 | 0.48 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2,4,6-Trichlorophenol       | ND        |              | 5.0 | 0.61 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2,4-Dichlorophenol          | ND        |              | 5.0 | 0.51 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2,4-Dimethylphenol          | ND        |              | 5.0 | 0.50 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2,4-Dinitrophenol           | ND        |              | 10  | 2.2  | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2,4-Dinitrotoluene          | ND        |              | 5.0 | 0.45 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2,6-Dinitrotoluene          | ND        |              | 5.0 | 0.40 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2-Chloronaphthalene         | ND        |              | 5.0 | 0.46 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2-Chlorophenol              | ND        |              | 5.0 | 0.53 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2-Methylnaphthalene         | ND        |              | 5.0 | 0.60 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2-Methylphenol              | ND        |              | 5.0 | 0.40 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2-Nitroaniline              | ND        |              | 10  | 0.42 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2-Nitrophenol               | ND        |              | 5.0 | 0.48 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 3,3'-Dichlorobenzidine      | ND        |              | 5.0 | 0.40 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 3-Nitroaniline              | ND        |              | 10  | 0.48 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 4,6-Dinitro-2-methylphenol  | ND        |              | 10  | 2.2  | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 4-Bromophenyl phenyl ether  | ND        |              | 5.0 | 0.45 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 4-Chloro-3-methylphenol     | ND        |              | 5.0 | 0.45 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 4-Chloroaniline             | ND        |              | 5.0 | 0.59 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 4-Chlorophenyl phenyl ether | ND        |              | 5.0 | 0.35 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 4-Methylphenol              | ND        |              | 10  | 0.36 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 4-Nitroaniline              | ND        |              | 10  | 0.25 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

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

Lab Sample ID: MB 480-477249/1-A

Matrix: Water

Analysis Batch: 478194

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477249

| Analyte                       | MB<br>Result | MB<br>Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------------|-----|------|------|---|----------------|----------------|---------|
| 4-Nitrophenol                 | ND           |                 | 10  | 1.5  | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Acenaphthene                  | ND           |                 | 5.0 | 0.41 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Acenaphthylene                | ND           |                 | 5.0 | 0.38 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Acetophenone                  | ND           |                 | 5.0 | 0.54 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Anthracene                    | ND           |                 | 5.0 | 0.28 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Atrazine                      | ND           |                 | 5.0 | 0.46 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Benzaldehyde                  | ND           |                 | 5.0 | 0.27 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Benzo(a)anthracene            | ND           |                 | 5.0 | 0.36 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Benzo(a)pyrene                | ND           |                 | 5.0 | 0.47 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Benzo(b)fluoranthene          | ND           |                 | 5.0 | 0.34 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Benzo(g,h,i)perylene          | ND           |                 | 5.0 | 0.35 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Benzo(k)fluoranthene          | ND           |                 | 5.0 | 0.73 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Biphenyl                      | ND           |                 | 5.0 | 0.65 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| bis (2-chloroisopropyl) ether | ND           |                 | 5.0 | 0.52 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Bis(2-chloroethoxy)methane    | ND           |                 | 5.0 | 0.35 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Bis(2-chloroethyl)ether       | ND           |                 | 5.0 | 0.40 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND           |                 | 5.0 | 2.2  | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Butyl benzyl phthalate        | ND           |                 | 5.0 | 1.0  | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Caprolactam                   | ND           |                 | 5.0 | 2.2  | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Carbazole                     | ND           |                 | 5.0 | 0.30 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Chrysene                      | ND           |                 | 5.0 | 0.33 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Dibenz(a,h)anthracene         | ND           |                 | 5.0 | 0.42 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Dibenzofuran                  | ND           |                 | 10  | 0.51 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Diethyl phthalate             | ND           |                 | 5.0 | 0.22 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Dimethyl phthalate            | ND           |                 | 5.0 | 0.36 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Di-n-butyl phthalate          | ND           |                 | 5.0 | 0.31 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Di-n-octyl phthalate          | ND           |                 | 5.0 | 0.47 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Fluoranthene                  | ND           |                 | 5.0 | 0.40 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Fluorene                      | ND           |                 | 5.0 | 0.36 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Hexachlorobenzene             | ND           |                 | 5.0 | 0.51 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Hexachlorobutadiene           | ND           |                 | 5.0 | 0.68 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Hexachlorocyclopentadiene     | ND           |                 | 5.0 | 0.59 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Hexachloroethane              | ND           |                 | 5.0 | 0.59 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Indeno(1,2,3-cd)pyrene        | ND           |                 | 5.0 | 0.47 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Isophorone                    | ND           |                 | 5.0 | 0.43 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Naphthalene                   | ND           |                 | 5.0 | 0.76 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Nitrobenzene                  | ND           |                 | 5.0 | 0.29 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| N-Nitrosodi-n-propylamine     | ND           |                 | 5.0 | 0.54 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| N-Nitrosodiphenylamine        | ND           |                 | 5.0 | 0.51 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Pentachlorophenol             | ND           |                 | 10  | 2.2  | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Phenanthrene                  | 0.754        | J               | 5.0 | 0.44 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Phenol                        | ND           |                 | 5.0 | 0.39 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Pyrene                        | ND           |                 | 5.0 | 0.34 | ug/L |   | 06/11/19 15:14 | 06/17/19 21:56 | 1       |

| Surrogate            | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol | 92              |                 | 41 - 120 | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2-Fluorobiphenyl     | 101             |                 | 48 - 120 | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| 2-Fluorophenol       | 70              |                 | 35 - 120 | 06/11/19 15:14 | 06/17/19 21:56 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

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

Lab Sample ID: MB 480-477249/1-A

Matrix: Water

Analysis Batch: 478194

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477249

| Surrogate       | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------|-----------------|-----------------|----------|----------------|----------------|---------|
| Nitrobenzene-d5 | 91              |                 | 46 - 120 | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| Phenol-d5       | 51              |                 | 22 - 120 | 06/11/19 15:14 | 06/17/19 21:56 | 1       |
| p-Terphenyl-d14 | 101             |                 | 59 - 136 | 06/11/19 15:14 | 06/17/19 21:56 | 1       |

Lab Sample ID: LCS 480-477249/2-A

Matrix: Water

Analysis Batch: 478194

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477249

| Analyte                       | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|-------------------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 2,4,5-Trichlorophenol         | 32.0           | 34.3          |                  | ug/L |   | 107  | 65 - 126        |
| 2,4,6-Trichlorophenol         | 32.0           | 33.5          |                  | ug/L |   | 105  | 64 - 120        |
| 2,4-Dichlorophenol            | 32.0           | 31.4          |                  | ug/L |   | 98   | 63 - 120        |
| 2,4-Dimethylphenol            | 32.0           | 30.6          |                  | ug/L |   | 96   | 47 - 120        |
| 2,4-Dinitrophenol             | 64.0           | 75.4          |                  | ug/L |   | 118  | 31 - 137        |
| 2,4-Dinitrotoluene            | 32.0           | 34.5          |                  | ug/L |   | 108  | 69 - 120        |
| 2,6-Dinitrotoluene            | 32.0           | 34.5          |                  | ug/L |   | 108  | 68 - 120        |
| 2-Chloronaphthalene           | 32.0           | 30.0          |                  | ug/L |   | 94   | 58 - 120        |
| 2-Chlorophenol                | 32.0           | 27.3          |                  | ug/L |   | 85   | 48 - 120        |
| 2-Methylnaphthalene           | 32.0           | 30.4          |                  | ug/L |   | 95   | 59 - 120        |
| 2-Methylphenol                | 32.0           | 29.1          |                  | ug/L |   | 91   | 39 - 120        |
| 2-Nitroaniline                | 32.0           | 33.7          |                  | ug/L |   | 105  | 54 - 127        |
| 2-Nitrophenol                 | 32.0           | 31.6          |                  | ug/L |   | 99   | 52 - 125        |
| 3,3'-Dichlorobenzidine        | 64.0           | 71.2          |                  | ug/L |   | 111  | 49 - 135        |
| 3-Nitroaniline                | 32.0           | 34.1          |                  | ug/L |   | 107  | 51 - 120        |
| 4,6-Dinitro-2-methylphenol    | 64.0           | 76.5          |                  | ug/L |   | 120  | 46 - 136        |
| 4-Bromophenyl phenyl ether    | 32.0           | 30.6          |                  | ug/L |   | 96   | 65 - 120        |
| 4-Chloro-3-methylphenol       | 32.0           | 31.3          |                  | ug/L |   | 98   | 61 - 123        |
| 4-Chloroaniline               | 32.0           | 30.7          |                  | ug/L |   | 96   | 30 - 120        |
| 4-Chlorophenyl phenyl ether   | 32.0           | 31.7          |                  | ug/L |   | 99   | 62 - 120        |
| 4-Methylphenol                | 32.0           | 27.2          |                  | ug/L |   | 85   | 29 - 131        |
| 4-Nitroaniline                | 32.0           | 34.1          |                  | ug/L |   | 107  | 65 - 120        |
| 4-Nitrophenol                 | 64.0           | 61.3          |                  | ug/L |   | 96   | 45 - 120        |
| Acenaphthene                  | 32.0           | 31.7          |                  | ug/L |   | 99   | 60 - 120        |
| Acenaphthylene                | 32.0           | 32.6          |                  | ug/L |   | 102  | 63 - 120        |
| Acetophenone                  | 32.0           | 30.5          |                  | ug/L |   | 95   | 45 - 120        |
| Anthracene                    | 32.0           | 31.9          |                  | ug/L |   | 100  | 67 - 120        |
| Atrazine                      | 64.0           | 73.5          |                  | ug/L |   | 115  | 71 - 130        |
| Benzaldehyde                  | 64.0           | 57.1          |                  | ug/L |   | 89   | 10 - 140        |
| Benzo(a)anthracene            | 32.0           | 32.4          |                  | ug/L |   | 101  | 70 - 121        |
| Benzo(a)pyrene                | 32.0           | 30.1          |                  | ug/L |   | 94   | 60 - 123        |
| Benzo(b)fluoranthene          | 32.0           | 33.2          |                  | ug/L |   | 104  | 66 - 126        |
| Benzo(g,h,i)perylene          | 32.0           | 32.6          |                  | ug/L |   | 102  | 66 - 150        |
| Benzo(k)fluoranthene          | 32.0           | 32.7          |                  | ug/L |   | 102  | 65 - 124        |
| Biphenyl                      | 32.0           | 30.8          |                  | ug/L |   | 96   | 59 - 120        |
| bis (2-chloroisopropyl) ether | 32.0           | 27.3          |                  | ug/L |   | 85   | 21 - 136        |
| Bis(2-chloroethoxy)methane    | 32.0           | 29.8          |                  | ug/L |   | 93   | 50 - 128        |
| Bis(2-chloroethyl)ether       | 32.0           | 27.1          |                  | ug/L |   | 85   | 44 - 120        |
| Bis(2-ethylhexyl) phthalate   | 32.0           | 35.3          |                  | ug/L |   | 110  | 63 - 139        |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

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

Lab Sample ID: LCS 480-477249/2-A

Matrix: Water

Analysis Batch: 478194

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477249

| Analyte                   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------------|-------------|------------|---------------|------|---|------|--------------|
| Butyl benzyl phthalate    | 32.0        | 34.4       |               | ug/L |   | 108  | 70 - 129     |
| Caprolactam               | 64.0        | 23.3       |               | ug/L |   | 36   | 22 - 120     |
| Carbazole                 | 32.0        | 34.5       |               | ug/L |   | 108  | 66 - 123     |
| Chrysene                  | 32.0        | 34.1       |               | ug/L |   | 106  | 69 - 120     |
| Dibenz(a,h)anthracene     | 32.0        | 33.3       |               | ug/L |   | 104  | 65 - 135     |
| Dibenzofuran              | 32.0        | 31.9       |               | ug/L |   | 100  | 66 - 120     |
| Diethyl phthalate         | 32.0        | 34.9       |               | ug/L |   | 109  | 59 - 127     |
| Dimethyl phthalate        | 32.0        | 34.2       |               | ug/L |   | 107  | 68 - 120     |
| Di-n-butyl phthalate      | 32.0        | 33.1       |               | ug/L |   | 104  | 69 - 131     |
| Di-n-octyl phthalate      | 32.0        | 33.8       |               | ug/L |   | 106  | 63 - 140     |
| Fluoranthene              | 32.0        | 33.2       |               | ug/L |   | 104  | 69 - 126     |
| Fluorene                  | 32.0        | 33.3       |               | ug/L |   | 104  | 66 - 120     |
| Hexachlorobenzene         | 32.0        | 31.7       |               | ug/L |   | 99   | 61 - 120     |
| Hexachlorobutadiene       | 32.0        | 26.9       |               | ug/L |   | 84   | 35 - 120     |
| Hexachlorocyclopentadiene | 32.0        | 28.2       |               | ug/L |   | 88   | 31 - 120     |
| Hexachloroethane          | 32.0        | 25.9       |               | ug/L |   | 81   | 43 - 120     |
| Indeno(1,2,3-cd)pyrene    | 32.0        | 32.7       |               | ug/L |   | 102  | 69 - 146     |
| Isophorone                | 32.0        | 31.1       |               | ug/L |   | 97   | 55 - 120     |
| Naphthalene               | 32.0        | 29.8       |               | ug/L |   | 93   | 57 - 120     |
| Nitrobenzene              | 32.0        | 30.4       |               | ug/L |   | 95   | 53 - 123     |
| N-Nitrosodi-n-propylamine | 32.0        | 30.7       |               | ug/L |   | 96   | 32 - 140     |
| N-Nitrosodiphenylamine    | 32.0        | 31.0       |               | ug/L |   | 97   | 61 - 120     |
| Pentachlorophenol         | 64.0        | 66.7       |               | ug/L |   | 104  | 29 - 136     |
| Phenanthrene              | 32.0        | 33.3       |               | ug/L |   | 104  | 68 - 120     |
| Phenol                    | 32.0        | 18.7       |               | ug/L |   | 58   | 17 - 120     |
| Pyrene                    | 32.0        | 33.4       |               | ug/L |   | 104  | 70 - 125     |

| Surrogate            | LCS %Recovery | LCS Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol | 103           |               | 41 - 120 |
| 2-Fluorobiphenyl     | 96            |               | 48 - 120 |
| 2-Fluorophenol       | 70            |               | 35 - 120 |
| Nitrobenzene-d5      | 87            |               | 46 - 120 |
| Phenol-d5            | 54            |               | 22 - 120 |
| p-Terphenyl-d14      | 98            |               | 59 - 136 |

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-477098/1-A

Matrix: Water

Analysis Batch: 477426

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477098

| Analyte          | MB Result    | MB Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|--------------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND           |              | 0.20     | 0.10 | ug/L |   | 06/10/19 15:51 | 06/12/19 14:31 | 1       |
| Isotope Dilution | MB %Recovery | MB Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 31           |              | 15 - 110 |      |      |   | 06/10/19 15:51 | 06/12/19 14:31 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

(Continued)

Lab Sample ID: LCS 480-477098/2-A

Matrix: Water

Analysis Batch: 477426

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477098

| Analyte                 | Spike Added      | LCS Result       | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------|------------------|------------------|---------------|------|---|------|--------------|
| 1,4-Dioxane             | 1.00             | 1.36             | E             | ug/L |   | 136  | 40 - 140     |
| <b>Isotope Dilution</b> |                  |                  |               |      |   |      |              |
|                         | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |      |   |      |              |
| 1,4-Dioxane-d8          | 33               |                  | 15 - 110      |      |   |      |              |

## Method: 310.13 - Identification of Routine Petroleum Products

Lab Sample ID: MB 480-477160/1-A

Matrix: Water

Analysis Batch: 477143

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477160

| Analyte              | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND        |              | 0.20 | 0.20 | mg/L |   | 06/11/19 07:54 | 06/12/19 07:49 | 1       |
| Kerosene             | ND        |              | 0.50 | 0.50 | mg/L |   | 06/11/19 07:54 | 06/12/19 07:49 | 1       |
| Motor Oil            | ND        |              | 1.0  | 1.0  | mg/L |   | 06/11/19 07:54 | 06/12/19 07:49 | 1       |
| Fuel Oil #2          | ND        |              | 0.50 | 0.50 | mg/L |   | 06/11/19 07:54 | 06/12/19 07:49 | 1       |
| Fuel Oil #4          | ND        |              | 0.50 | 0.50 | mg/L |   | 06/11/19 07:54 | 06/12/19 07:49 | 1       |
| Fuel Oil #6          | ND        |              | 0.50 | 0.50 | mg/L |   | 06/11/19 07:54 | 06/12/19 07:49 | 1       |
| Unknown Hydrocarbons | ND        |              | 0.20 | 0.20 | mg/L |   | 06/11/19 07:54 | 06/12/19 07:49 | 1       |

Lab Sample ID: LCS 480-477160/2-A

Matrix: Water

Analysis Batch: 477143

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477160

| Analyte     | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------|-------------|------------|---------------|------|---|------|--------------|
| Fuel Oil #2 | 1.50        | 1.39       |               | mg/L |   | 93   | 50 - 150     |

## Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-477134/1-A

Matrix: Water

Analysis Batch: 477318

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477134

| Analyte            | MB Result | MB Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|-----------|--------------|-------|--------|------|---|----------------|----------------|---------|
| 4,4'-DDD           | ND        |              | 0.050 | 0.0092 | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| 4,4'-DDE           | ND        |              | 0.050 | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| 4,4'-DDT           | ND        |              | 0.050 | 0.011  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Aldrin             | ND        |              | 0.050 | 0.0081 | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| alpha-BHC          | ND        |              | 0.050 | 0.0077 | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| cis-Chlordane      | ND        |              | 0.050 | 0.015  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| beta-BHC           | ND        |              | 0.050 | 0.025  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| delta-BHC          | 0.0101    | J            | 0.050 | 0.010  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Dieldrin           | ND        |              | 0.050 | 0.0098 | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Endosulfan I       | ND        |              | 0.050 | 0.011  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Endosulfan II      | ND        |              | 0.050 | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Endosulfan sulfate | ND        |              | 0.050 | 0.016  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Endrin             | ND        |              | 0.050 | 0.014  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Endrin aldehyde    | ND        |              | 0.050 | 0.016  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

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

Lab Sample ID: MB 480-477134/1-A

Matrix: Water

Analysis Batch: 477318

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477134

| Analyte             | MB<br>Result | MB<br>Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------------|-----------------|-------|--------|------|---|----------------|----------------|---------|
| Endrin ketone       | ND           |                 | 0.050 | 0.012  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| gamma-BHC (Lindane) | ND           |                 | 0.050 | 0.0080 | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| trans-Chlordane     | ND           |                 | 0.050 | 0.011  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Heptachlor          | ND           |                 | 0.050 | 0.0085 | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Heptachlor epoxide  | ND           |                 | 0.050 | 0.0074 | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Methoxychlor        | ND           |                 | 0.050 | 0.014  | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Toxaphene           | ND           |                 | 0.50  | 0.12   | ug/L |   | 06/11/19 06:22 | 06/12/19 12:15 | 1       |

| Surrogate              | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 44              |                 | 20 - 120 | 06/11/19 06:22 | 06/12/19 12:15 | 1       |
| Tetrachloro-m-xylene   | 82              |                 | 44 - 120 | 06/11/19 06:22 | 06/12/19 12:15 | 1       |

Lab Sample ID: LCS 480-477134/2-A

Matrix: Water

Analysis Batch: 477318

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477134

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 4,4'-DDD            | 0.400          | 0.398         |                  | ug/L |   | 100  | 64 - 129        |
| 4,4'-DDE            | 0.400          | 0.319         |                  | ug/L |   | 80   | 50 - 120        |
| 4,4'-DDT            | 0.400          | 0.279         |                  | ug/L |   | 70   | 59 - 120        |
| Aldrin              | 0.400          | 0.285         |                  | ug/L |   | 71   | 40 - 125        |
| alpha-BHC           | 0.400          | 0.320         |                  | ug/L |   | 80   | 52 - 125        |
| cis-Chlordane       | 0.400          | 0.307         |                  | ug/L |   | 77   | 52 - 120        |
| beta-BHC            | 0.400          | 0.305         |                  | ug/L |   | 76   | 51 - 120        |
| delta-BHC           | 0.400          | 0.365         |                  | ug/L |   | 91   | 51 - 120        |
| Dieldrin            | 0.400          | 0.390         |                  | ug/L |   | 98   | 66 - 128        |
| Endosulfan I        | 0.400          | 0.377         |                  | ug/L |   | 94   | 57 - 120        |
| Endosulfan II       | 0.400          | 0.388         |                  | ug/L |   | 97   | 66 - 131        |
| Endosulfan sulfate  | 0.400          | 0.436         |                  | ug/L |   | 109  | 66 - 136        |
| Endrin              | 0.400          | 0.396         |                  | ug/L |   | 99   | 65 - 135        |
| Endrin aldehyde     | 0.400          | 0.332         |                  | ug/L |   | 83   | 61 - 134        |
| Endrin ketone       | 0.400          | 0.399         |                  | ug/L |   | 100  | 71 - 133        |
| gamma-BHC (Lindane) | 0.400          | 0.333         |                  | ug/L |   | 83   | 56 - 120        |
| trans-Chlordane     | 0.400          | 0.328         |                  | ug/L |   | 82   | 54 - 120        |
| Heptachlor          | 0.400          | 0.324         |                  | ug/L |   | 81   | 58 - 120        |
| Heptachlor epoxide  | 0.400          | 0.361         |                  | ug/L |   | 90   | 65 - 125        |
| Methoxychlor        | 0.400          | 0.317         |                  | ug/L |   | 79   | 50 - 150        |

| Surrogate              | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|------------------------|------------------|------------------|----------|
| DCB Decachlorobiphenyl | 31               |                  | 20 - 120 |
| Tetrachloro-m-xylene   | 71               |                  | 44 - 120 |

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

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

Lab Sample ID: MB 480-477245/1-A

Matrix: Water

Analysis Batch: 477418

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477245

| Analyte  | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| PCB-1016 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| PCB-1221 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| PCB-1232 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| PCB-1242 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| PCB-1248 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| PCB-1254 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| PCB-1260 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| PCB-1262 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| PCB-1268 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/11/19 15:01 | 06/12/19 16:54 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 79           |              | 39 - 121 | 06/11/19 15:01 | 06/12/19 16:54 | 1       |
| DCB Decachlorobiphenyl | 49           |              | 19 - 120 | 06/11/19 15:01 | 06/12/19 16:54 | 1       |

Lab Sample ID: LCS 480-477245/2-A

Matrix: Water

Analysis Batch: 477418

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477245

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| PCB-1016 | 4.00        | 3.39       |               | ug/L |   | 85   | 62 - 130     |
| PCB-1260 | 4.00        | 3.20       |               | ug/L |   | 80   | 56 - 123     |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| Tetrachloro-m-xylene   | 80            |               | 39 - 121 |
| DCB Decachlorobiphenyl | 43            |               | 19 - 120 |

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-477340/1-A

Matrix: Water

Analysis Batch: 478090

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477340

| Analyte   | MB Result | MB Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND        |              | 0.20   | 0.060   | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Antimony  | ND        |              | 0.020  | 0.0068  | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Arsenic   | ND        |              | 0.015  | 0.0056  | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Barium    | ND        |              | 0.0020 | 0.00070 | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Beryllium | ND        |              | 0.0020 | 0.00030 | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Cadmium   | ND        |              | 0.0020 | 0.00050 | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Calcium   | ND        |              | 0.50   | 0.10    | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Chromium  | ND        |              | 0.0040 | 0.0010  | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Cobalt    | ND        |              | 0.0040 | 0.00063 | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Copper    | ND        |              | 0.010  | 0.0016  | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Iron      | ND        |              | 0.050  | 0.019   | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Lead      | ND        |              | 0.010  | 0.0030  | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Magnesium | ND        |              | 0.20   | 0.043   | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Manganese | ND        |              | 0.0030 | 0.00040 | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Nickel    | ND        |              | 0.010  | 0.0013  | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154675-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-477340/1-A

Matrix: Water

Analysis Batch: 478090

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477340

| Analyte   | MB<br>Result | MB<br>Qualifier | RL     | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|--------------|-----------------|--------|--------|------|---|----------------|----------------|---------|
| Potassium | ND           |                 | 0.50   | 0.10   | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Selenium  | ND           |                 | 0.025  | 0.0087 | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Silver    | ND           |                 | 0.0060 | 0.0017 | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Sodium    | ND           |                 | 1.0    | 0.32   | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Thallium  | ND           |                 | 0.020  | 0.010  | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |
| Vanadium  | ND           |                 | 0.0050 | 0.0015 | mg/L |   | 06/12/19 09:24 | 06/15/19 14:08 | 1       |

Lab Sample ID: MB 480-477340/1-A

Matrix: Water

Analysis Batch: 478441

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477340

| Analyte | MB<br>Result | MB<br>Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------------|-----------------|-------|--------|------|---|----------------|----------------|---------|
| Zinc    | ND           |                 | 0.010 | 0.0015 | mg/L |   | 06/12/19 09:24 | 06/18/19 12:26 | 1       |

Lab Sample ID: LCS 480-477340/2-A

Matrix: Water

Analysis Batch: 478090

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477340

| Analyte   | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|-----------|----------------|---------------|------------------|------|---|------|-----------------|
| Aluminum  | 10.0           | 9.21          |                  | mg/L |   | 92   | 80 - 120        |
| Antimony  | 0.200          | 0.222         |                  | mg/L |   | 111  | 80 - 120        |
| Arsenic   | 0.200          | 0.199         |                  | mg/L |   | 100  | 80 - 120        |
| Barium    | 0.200          | 0.201         |                  | mg/L |   | 100  | 80 - 120        |
| Beryllium | 0.200          | 0.202         |                  | mg/L |   | 101  | 80 - 120        |
| Cadmium   | 0.200          | 0.201         |                  | mg/L |   | 100  | 80 - 120        |
| Calcium   | 10.0           | 9.65          |                  | mg/L |   | 96   | 80 - 120        |
| Chromium  | 0.200          | 0.194         |                  | mg/L |   | 97   | 80 - 120        |
| Cobalt    | 0.200          | 0.185         |                  | mg/L |   | 93   | 80 - 120        |
| Copper    | 0.200          | 0.197         |                  | mg/L |   | 98   | 80 - 120        |
| Iron      | 10.0           | 9.42          |                  | mg/L |   | 94   | 80 - 120        |
| Lead      | 0.200          | 0.191         |                  | mg/L |   | 96   | 80 - 120        |
| Magnesium | 10.0           | 9.40          |                  | mg/L |   | 94   | 80 - 120        |
| Manganese | 0.200          | 0.189         |                  | mg/L |   | 94   | 80 - 120        |
| Nickel    | 0.200          | 0.194         |                  | mg/L |   | 97   | 80 - 120        |
| Potassium | 10.0           | 9.55          |                  | mg/L |   | 95   | 80 - 120        |
| Selenium  | 0.200          | 0.192         |                  | mg/L |   | 96   | 80 - 120        |
| Silver    | 0.0500         | 0.0468        |                  | mg/L |   | 94   | 80 - 120        |
| Sodium    | 10.0           | 9.29          |                  | mg/L |   | 93   | 80 - 120        |
| Thallium  | 0.200          | 0.197         |                  | mg/L |   | 98   | 80 - 120        |
| Vanadium  | 0.200          | 0.192         |                  | mg/L |   | 96   | 80 - 120        |

Lab Sample ID: LCS 480-477340/2-A

Matrix: Water

Analysis Batch: 478441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477340

| Analyte | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------|----------------|---------------|------------------|------|---|------|-----------------|
| Zinc    | 0.200          | 0.205         |                  | mg/L |   | 102  | 80 - 120        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154675-1

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-477191/1-A

Matrix: Water

Analysis Batch: 477246

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 477191

| Analyte | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------------|-----------------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND           |                 | 0.00020 | 0.00012 | mg/L |   | 06/11/19 11:29 | 06/11/19 14:01 | 1       |

Lab Sample ID: LCS 480-477191/2-A

Matrix: Water

Analysis Batch: 477246

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 477191

| Analyte | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------|----------------|---------------|------------------|------|---|------|-----------------|
| Mercury | 0.00667        | 0.00682       |                  | mg/L |   | 102  | 80 - 120        |

Lab Sample ID: 480-154675-1 MS

Matrix: Water

Analysis Batch: 477246

Client Sample ID: MW-3-03

Prep Type: Total/NA

Prep Batch: 477191

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|-----------------|
| Mercury | ND               |                     | 0.00667        | 0.00705      |                 | mg/L |   | 106  | 80 - 120        |

Lab Sample ID: 480-154675-1 MSD

Matrix: Water

Analysis Batch: 477246

Client Sample ID: MW-3-03

Prep Type: Total/NA

Prep Batch: 477191

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|---------|------------------|---------------------|----------------|---------------|------------------|------|---|------|-----------------|-----|--------------|
| Mercury | ND               |                     | 0.00667        | 0.00683       |                  | mg/L |   | 102  | 80 - 120        | 3   | 20           |

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

## GC/MS VOA

### Analysis Batch: 477138

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 480-154675-1     | MW-3-03            | Total/NA  | Water  | 8260C  |            |
| 480-154675-2     | MW-3-03-DUP        | Total/NA  | Water  | 8260C  |            |
| MB 480-477138/7  | Method Blank       | Total/NA  | Water  | 8260C  |            |
| LCS 480-477138/5 | Lab Control Sample | Total/NA  | Water  | 8260C  |            |

## GC/MS Semi VOA

### Prep Batch: 477098

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154675-1       | MW-3-03            | Total/NA  | Water  | 3510C  |            |
| 480-154675-2       | MW-3-03-DUP        | Total/NA  | Water  | 3510C  |            |
| 480-154675-3       | MW-1-10            | Total/NA  | Water  | 3510C  |            |
| 480-154675-4       | MW-3-10            | Total/NA  | Water  | 3510C  |            |
| MB 480-477098/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-477098/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 477249

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154675-1       | MW-3-03            | Total/NA  | Water  | 3510C  |            |
| 480-154675-2       | MW-3-03-DUP        | Total/NA  | Water  | 3510C  |            |
| MB 480-477249/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-477249/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 477426

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method       | Prep Batch |
|--------------------|--------------------|-----------|--------|--------------|------------|
| 480-154675-1       | MW-3-03            | Total/NA  | Water  | 8270D SIM ID | 477098     |
| 480-154675-2       | MW-3-03-DUP        | Total/NA  | Water  | 8270D SIM ID | 477098     |
| 480-154675-4       | MW-3-10            | Total/NA  | Water  | 8270D SIM ID | 477098     |
| MB 480-477098/1-A  | Method Blank       | Total/NA  | Water  | 8270D SIM ID | 477098     |
| LCS 480-477098/2-A | Lab Control Sample | Total/NA  | Water  | 8270D SIM ID | 477098     |

### Analysis Batch: 477902

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method       | Prep Batch |
|---------------|------------------|-----------|--------|--------------|------------|
| 480-154675-3  | MW-1-10          | Total/NA  | Water  | 8270D SIM ID | 477098     |

### Analysis Batch: 478194

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| MB 480-477249/1-A  | Method Blank       | Total/NA  | Water  | 8270D  | 477249     |
| LCS 480-477249/2-A | Lab Control Sample | Total/NA  | Water  | 8270D  | 477249     |

### Analysis Batch: 478204

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 480-154675-1  | MW-3-03          | Total/NA  | Water  | 8270D  | 477249     |
| 480-154675-2  | MW-3-03-DUP      | Total/NA  | Water  | 8270D  | 477249     |

## GC Semi VOA

### Prep Batch: 477134

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| 480-154675-1      | MW-3-03          | Total/NA  | Water  | 3510C  |            |
| 480-154675-2      | MW-3-03-DUP      | Total/NA  | Water  | 3510C  |            |
| MB 480-477134/1-A | Method Blank     | Total/NA  | Water  | 3510C  |            |

Eurofins TestAmerica, Buffalo

## QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

### GC Semi VOA (Continued)

#### Prep Batch: 477134 (Continued)

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| LCS 480-477134/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

#### Analysis Batch: 477143

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154675-1       | MW-3-03            | Total/NA  | Water  | 310.13 | 477160     |
| 480-154675-2       | MW-3-03-DUP        | Total/NA  | Water  | 310.13 | 477160     |
| 480-154675-3       | MW-1-10            | Total/NA  | Water  | 310.13 | 477160     |
| 480-154675-4       | MW-3-10            | Total/NA  | Water  | 310.13 | 477160     |
| MB 480-477160/1-A  | Method Blank       | Total/NA  | Water  | 310.13 | 477160     |
| LCS 480-477160/2-A | Lab Control Sample | Total/NA  | Water  | 310.13 | 477160     |

#### Prep Batch: 477160

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154675-1       | MW-3-03            | Total/NA  | Water  | 3510C  |            |
| 480-154675-2       | MW-3-03-DUP        | Total/NA  | Water  | 3510C  |            |
| 480-154675-3       | MW-1-10            | Total/NA  | Water  | 3510C  |            |
| 480-154675-4       | MW-3-10            | Total/NA  | Water  | 3510C  |            |
| MB 480-477160/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-477160/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

#### Prep Batch: 477245

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154675-1       | MW-3-03            | Total/NA  | Water  | 3510C  |            |
| 480-154675-2       | MW-3-03-DUP        | Total/NA  | Water  | 3510C  |            |
| MB 480-477245/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-477245/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

#### Analysis Batch: 477318

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154675-1       | MW-3-03            | Total/NA  | Water  | 8081B  | 477134     |
| 480-154675-2       | MW-3-03-DUP        | Total/NA  | Water  | 8081B  | 477134     |
| MB 480-477134/1-A  | Method Blank       | Total/NA  | Water  | 8081B  | 477134     |
| LCS 480-477134/2-A | Lab Control Sample | Total/NA  | Water  | 8081B  | 477134     |

#### Analysis Batch: 477418

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154675-1       | MW-3-03            | Total/NA  | Water  | 8082A  | 477245     |
| 480-154675-2       | MW-3-03-DUP        | Total/NA  | Water  | 8082A  | 477245     |
| MB 480-477245/1-A  | Method Blank       | Total/NA  | Water  | 8082A  | 477245     |
| LCS 480-477245/2-A | Lab Control Sample | Total/NA  | Water  | 8082A  | 477245     |

### Metals

#### Prep Batch: 477191

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154675-1       | MW-3-03            | Total/NA  | Water  | 7470A  |            |
| 480-154675-2       | MW-3-03-DUP        | Total/NA  | Water  | 7470A  |            |
| MB 480-477191/1-A  | Method Blank       | Total/NA  | Water  | 7470A  |            |
| LCS 480-477191/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  |            |
| 480-154675-1 MS    | MW-3-03            | Total/NA  | Water  | 7470A  |            |
| 480-154675-1 MSD   | MW-3-03            | Total/NA  | Water  | 7470A  |            |

Eurofins TestAmerica, Buffalo



# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

## Metals

### Analysis Batch: 477246

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154675-1       | MW-3-03            | Total/NA  | Water  | 7470A  | 477191     |
| 480-154675-2       | MW-3-03-DUP        | Total/NA  | Water  | 7470A  | 477191     |
| MB 480-477191/1-A  | Method Blank       | Total/NA  | Water  | 7470A  | 477191     |
| LCS 480-477191/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  | 477191     |
| 480-154675-1 MS    | MW-3-03            | Total/NA  | Water  | 7470A  | 477191     |
| 480-154675-1 MSD   | MW-3-03            | Total/NA  | Water  | 7470A  | 477191     |

### Prep Batch: 477340

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154675-1       | MW-3-03            | Total/NA  | Water  | 3005A  |            |
| 480-154675-2       | MW-3-03-DUP        | Total/NA  | Water  | 3005A  |            |
| MB 480-477340/1-A  | Method Blank       | Total/NA  | Water  | 3005A  |            |
| LCS 480-477340/2-A | Lab Control Sample | Total/NA  | Water  | 3005A  |            |

### Analysis Batch: 478090

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154675-1       | MW-3-03            | Total/NA  | Water  | 6010C  | 477340     |
| 480-154675-2       | MW-3-03-DUP        | Total/NA  | Water  | 6010C  | 477340     |
| MB 480-477340/1-A  | Method Blank       | Total/NA  | Water  | 6010C  | 477340     |
| LCS 480-477340/2-A | Lab Control Sample | Total/NA  | Water  | 6010C  | 477340     |

### Analysis Batch: 478441

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-154675-1       | MW-3-03            | Total/NA  | Water  | 6010C  | 477340     |
| 480-154675-2       | MW-3-03-DUP        | Total/NA  | Water  | 6010C  | 477340     |
| MB 480-477340/1-A  | Method Blank       | Total/NA  | Water  | 6010C  | 477340     |
| LCS 480-477340/2-A | Lab Control Sample | Total/NA  | Water  | 6010C  | 477340     |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

**Client Sample ID: MW-3-03**

**Lab Sample ID: 480-154675-1**

**Date Collected: 06/07/19 12:15**

**Matrix: Water**

**Date Received: 06/07/19 16:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 477138       | 06/11/19 11:10       | AEM     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477249       | 06/11/19 15:14       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 478204       | 06/18/19 08:09       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477098       | 06/10/19 15:51       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 10              | 477426       | 06/12/19 20:35       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477160       | 06/11/19 07:54       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 477143       | 06/12/19 13:11       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477134       | 06/11/19 06:22       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 477318       | 06/12/19 14:32       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477245       | 06/11/19 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 477418       | 06/12/19 21:39       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 477340       | 06/12/19 09:24       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 478090       | 06/15/19 15:59       | AMH     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 477340       | 06/12/19 09:24       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 478441       | 06/18/19 12:33       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 477191       | 06/11/19 11:29       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 477246       | 06/11/19 14:29       | BMB     | TAL BUF |

**Client Sample ID: MW-3-03-DUP**

**Lab Sample ID: 480-154675-2**

**Date Collected: 06/07/19 00:00**

**Matrix: Water**

**Date Received: 06/07/19 16:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260C        |     | 1               | 477138       | 06/11/19 11:35       | AEM     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477249       | 06/11/19 15:14       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 5               | 478204       | 06/18/19 08:37       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477098       | 06/10/19 15:51       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 10              | 477426       | 06/12/19 20:59       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477160       | 06/11/19 07:54       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 477143       | 06/12/19 14:23       | MAN     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477134       | 06/11/19 06:22       | SMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 477318       | 06/12/19 14:52       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477245       | 06/11/19 15:01       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 477418       | 06/12/19 21:52       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 477340       | 06/12/19 09:24       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 478090       | 06/15/19 16:03       | AMH     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 477340       | 06/12/19 09:24       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 478441       | 06/18/19 12:37       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 477191       | 06/11/19 11:29       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 477246       | 06/11/19 14:35       | BMB     | TAL BUF |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

**Client Sample ID: MW-1-10**

**Lab Sample ID: 480-154675-3**

**Date Collected: 06/07/19 14:05**

**Matrix: Water**

**Date Received: 06/07/19 16:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 477098       | 06/10/19 15:51       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 1               | 477902       | 06/14/19 18:35       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477160       | 06/11/19 07:54       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 477143       | 06/12/19 14:59       | MAN     | TAL BUF |

**Client Sample ID: MW-3-10**

**Lab Sample ID: 480-154675-4**

**Date Collected: 06/07/19 14:20**

**Matrix: Water**

**Date Received: 06/07/19 16:00**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 477098       | 06/10/19 15:51       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 1               | 477426       | 06/12/19 21:48       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 477160       | 06/11/19 07:54       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 477143       | 06/12/19 15:36       | MAN     | 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.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

### Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|-----------|---------|------------|-----------------------|-----------------|
| New York  | NELAP   | 2          | 10026                 | 03-31-20        |

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              |
|-----------------|-------------|--------|----------------------|
| 310.13          | 3510C       | Water  | Fuel Oil #2          |
| 310.13          | 3510C       | Water  | Fuel Oil #4          |
| 310.13          | 3510C       | Water  | Fuel Oil #6          |
| 310.13          | 3510C       | Water  | Gasoline             |
| 310.13          | 3510C       | Water  | Kerosene             |
| 310.13          | 3510C       | Water  | Motor Oil            |
| 310.13          | 3510C       | Water  | Unknown Hydrocarbons |

## Method Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

| Method       | Method Description                                            | Protocol | Laboratory |
|--------------|---------------------------------------------------------------|----------|------------|
| 8260C        | Volatile Organic Compounds by GC/MS                           | SW846    | TAL BUF    |
| 8270D        | Semivolatile Organic Compounds (GC/MS)                        | SW846    | TAL BUF    |
| 8270D SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | TAL BUF    |
| 310.13       | Identification of Routine Petroleum Products                  | NYASP    | TAL BUF    |
| 8081B        | Organochlorine Pesticides (GC)                                | SW846    | TAL BUF    |
| 8082A        | Polychlorinated Biphenyls (PCBs) by Gas Chromatography        | SW846    | TAL BUF    |
| 6010C        | Metals (ICP)                                                  | SW846    | TAL BUF    |
| 7470A        | Mercury (CVAA)                                                | SW846    | TAL BUF    |
| 3005A        | Preparation, Total Metals                                     | SW846    | TAL BUF    |
| 3510C        | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | TAL BUF    |
| 5030C        | Purge and Trap                                                | SW846    | TAL BUF    |
| 7470A        | Preparation, Mercury                                          | SW846    | TAL BUF    |

### Protocol References:

NYASP = New York Analytical Services Protocol

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: Vibratech #915165

Job ID: 480-154675-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 480-154675-1  | MW-3-03          | Water  | 06/07/19 12:15 | 06/07/19 16:00 |          |
| 480-154675-2  | MW-3-03-DUP      | Water  | 06/07/19 00:00 | 06/07/19 16:00 |          |
| 480-154675-3  | MW-1-10          | Water  | 06/07/19 14:05 | 06/07/19 16:00 |          |
| 480-154675-4  | MW-3-10          | Water  | 06/07/19 14:20 | 06/07/19 16:00 |          |

## TestAmerica

TAL-8210 (0713)



480-154675 Chain of Custody

Sample Specific Notes:

Low Volume

Page 41 of 44

6/20/2019



## Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-154675-1

Login Number: 154675

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   |         |
| Samples received within 48 hours of sampling.                                    | True   |         |
| Samples requiring field filtration have been filtered in the field.              | True   |         |
| Chlorine Residual checked.                                                       | N/A    |         |



## Quantitation Limit Exceptions Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-154675-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

| Method | Analyte   | Matrix | Prep Type | Unit | Client RL | Lab PQL |
|--------|-----------|--------|-----------|------|-----------|---------|
| 310.13 | Motor Oil | Water  | Total/NA  | mg/L | 0.30      | 1       |

# Isotope Dilution Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-154675-1

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

### Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID   | DXE<br>(15-110) |
|--------------------|--------------------|-----------------|
| 480-154675-1       | MW-3-03            | 23              |
| 480-154675-2       | MW-3-03-DUP        | 24              |
| 480-154675-3       | MW-1-10            | 27              |
| 480-154675-4       | MW-3-10            | 29              |
| LCS 480-477098/2-A | Lab Control Sample | 33              |
| MB 480-477098/1-A  | Method Blank       | 31              |

#### Surrogate Legend

DXE = 1,4-Dioxane-d8

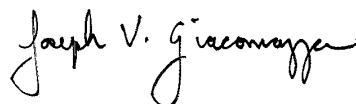
## ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo  
10 Hazelwood Drive  
Amherst, NY 14228-2298  
Tel: (716)691-2600

Laboratory Job ID: 480-155341-1  
Client Project/Site: Vibratex #915165

For:  
New York State D.E.C.  
270 Michigan Avenue  
Buffalo, New York 14203

Attn: Mr. Maurice Moore



Authorized for release by:  
7/9/2019 9:23:14 AM  
Joe Giacomazza, Project Management Assistant II  
[joe.giacomazza@testamericainc.com](mailto:joe.giacomazza@testamericainc.com)

Designee for  
Orlette Johnson, Senior Project Manager  
(484)685-0864  
[orlette.johnson@testamericainc.com](mailto:orlette.johnson@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:  
[www.testamericainc.com](http://www.testamericainc.com)

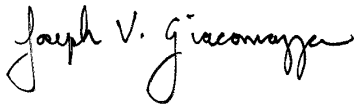
*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail 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.*

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



---

Joe Giacomazza  
Project Management Assistant II  
7/9/2019 9:23:14 AM

# Table of Contents

Cover Page . . . . . 1

Table of Contents . . . . . 3

Definitions . . . . . 4

Case Narrative . . . . . 5

Detection Summary . . . . . 6

Client Sample Results . . . . . 7

Surrogate Summary . . . . . 12

QC Sample Results . . . . . 13

QC Association . . . . . 23

Chronicle . . . . . 25

Certification Summary . . . . . 26

Method Summary . . . . . 27

Sample Summary . . . . . 28

Chain of Custody . . . . . 29

Receipt Checklists . . . . . 30

Detection Limit Exceptions Summary . . . . . 31

Isotope Dilution Summary . . . . . 32



## Definitions/Glossary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

### Qualifiers

#### GC/MS Semi VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| E         | Result exceeded calibration range.                                                                             |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

#### Metals

| 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. |

### Glossary

| Abbreviation   | These commonly used abbreviations may or may not be present in this report.                                 |
|----------------|-------------------------------------------------------------------------------------------------------------|
| α              | Listed under the "D" column to designate that the result is reported on a dry weight basis                  |
| %R             | Percent Recovery                                                                                            |
| CFL            | Contains Free Liquid                                                                                        |
| 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)                                                                             |
| MDA            | Minimum Detectable Activity (Radiochemistry)                                                                |
| MDC            | Minimum Detectable Concentration (Radiochemistry)                                                           |
| MDL            | Method Detection Limit                                                                                      |
| ML             | Minimum Level (Dioxin)                                                                                      |
| NC             | Not Calculated                                                                                              |
| ND             | Not Detected at the reporting limit (or MDL or EDL if shown)                                                |
| PQL            | Practical Quantitation Limit                                                                                |
| 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)                                                                       |

# Case Narrative

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-155341-1

## Job ID: 480-155341-1

### Laboratory: Eurofins TestAmerica, Buffalo

#### Narrative

#### Job Narrative 480-155341-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 6/21/2019 3:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.7° C and 4.1° C.

#### GC/MS Semi VOA

Method(s) 8270D: The following sample was diluted due to color and appearance: MW-13-03 (480-155341-2). Elevated reporting limits (RL) are provided.

Method(s) 8270D: The following sample required a dilution due to the nature of the sample matrix: MW-13-03 (480-155341-2). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270D SIM ID: The 1,4-Dioxane result reported for sample MW-07-94 (480-155341-1) 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(s) 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.

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

#### GC Semi VOA

Method(s) 8082A: The continuing calibration verification (CCV) associated with batch 480-479723 recovered above the upper control limit for PCB-1221 and PCB-1242. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-07-94 (480-155341-1) and MW-13-03 (480-155341-2).

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

#### Metals

No analytical or quality issues were noted, other than those described 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 480-479629.

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: Vibratech #915165

Job ID: 480-155341-1

### Client Sample ID: MW-07-94

### Lab Sample ID: 480-155341-1

| Analyte     | Result | Qualifier | RL   | MDL  | Unit | Dil Fac | D | Method       | Prep Type |
|-------------|--------|-----------|------|------|------|---------|---|--------------|-----------|
| 1,4-Dioxane | 5.5    | E         | 0.20 | 0.10 | ug/L | 1       |   | 8270D SIM ID | Total/NA  |
| Motor Oil   | 1.2    |           | 1.0  | 1.0  | mg/L | 1       |   | 310.13       | Total/NA  |

### Client Sample ID: MW-13-03

### Lab Sample ID: 480-155341-2

| Analyte     | Result  | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method       | Prep Type |
|-------------|---------|-----------|--------|---------|------|---------|---|--------------|-----------|
| 1,4-Dioxane | 0.82    |           | 0.20   | 0.10    | ug/L | 1       |   | 8270D SIM ID | Total/NA  |
| Motor Oil   | 0.52    |           | 0.50   | 0.50    | mg/L | 1       |   | 310.13       | Total/NA  |
| Barium      | 0.016   |           | 0.0020 | 0.00070 | mg/L | 1       |   | 6010C        | Total/NA  |
| Calcium     | 53.9    |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Chromium    | 0.0016  | J         | 0.0040 | 0.0010  | mg/L | 1       |   | 6010C        | Total/NA  |
| Copper      | 0.0094  | J         | 0.010  | 0.0016  | mg/L | 1       |   | 6010C        | Total/NA  |
| Magnesium   | 6.0     |           | 0.20   | 0.043   | mg/L | 1       |   | 6010C        | Total/NA  |
| Manganese   | 0.00069 | J         | 0.0030 | 0.00040 | mg/L | 1       |   | 6010C        | Total/NA  |
| Potassium   | 1.9     |           | 0.50   | 0.10    | mg/L | 1       |   | 6010C        | Total/NA  |
| Sodium      | 14.2    |           | 1.0    | 0.32    | mg/L | 1       |   | 6010C        | Total/NA  |
| Zinc        | 0.0062  | J B       | 0.010  | 0.0015  | mg/L | 1       |   | 6010C        | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo



# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

Client Sample ID: MW-07-94

Lab Sample ID: 480-155341-1

Date Collected: 06/21/19 13:00

Matrix: Water

Date Received: 06/21/19 15:45

## 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      | 5.5       | E         | 0.20     | 0.10 | ug/L |   | 06/25/19 15:44 | 07/01/19 18:45 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 19        |           | 15 - 110 |      |      |   | 06/25/19 15:44 | 07/01/19 18:45 | 1       |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.20 | 0.20 | mg/L |   | 06/26/19 15:03 | 06/27/19 11:43 | 1       |
| Kerosene             | ND     |           | 0.50 | 0.50 | mg/L |   | 06/26/19 15:03 | 06/27/19 11:43 | 1       |
| Motor Oil            | 1.2    |           | 1.0  | 1.0  | mg/L |   | 06/26/19 15:03 | 06/27/19 11:43 | 1       |
| Fuel Oil #2          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/26/19 15:03 | 06/27/19 11:43 | 1       |
| Fuel Oil #4          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/26/19 15:03 | 06/27/19 11:43 | 1       |
| Fuel Oil #6          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/26/19 15:03 | 06/27/19 11:43 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.20 | 0.20 | mg/L |   | 06/26/19 15:03 | 06/27/19 11:43 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte                | Result    | Qualifier | RL       | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------------|-----------|-----------|----------|--------|------|---|----------------|----------------|---------|
| Chlordane (technical)  | ND        |           | 0.50     | 0.29   | ug/L |   | 06/26/19 07:45 | 06/27/19 14:10 | 1       |
| Endrin                 | ND        |           | 0.050    | 0.014  | ug/L |   | 06/26/19 07:45 | 06/27/19 14:10 | 1       |
| gamma-BHC (Lindane)    | ND        |           | 0.050    | 0.0080 | ug/L |   | 06/26/19 07:45 | 06/27/19 14:10 | 1       |
| Heptachlor             | ND        |           | 0.050    | 0.0085 | ug/L |   | 06/26/19 07:45 | 06/27/19 14:10 | 1       |
| Heptachlor epoxide     | ND        |           | 0.050    | 0.0074 | ug/L |   | 06/26/19 07:45 | 06/27/19 14:10 | 1       |
| Methoxychlor           | ND        |           | 0.050    | 0.014  | ug/L |   | 06/26/19 07:45 | 06/27/19 14:10 | 1       |
| Toxaphene              | ND        |           | 0.50     | 0.12   | ug/L |   | 06/26/19 07:45 | 06/27/19 14:10 | 1       |
| Surrogate              | %Recovery | Qualifier | Limits   |        |      |   | Prepared       | Analyzed       | Dil Fac |
| DCB Decachlorobiphenyl | 31        |           | 20 - 120 |        |      |   | 06/26/19 07:45 | 06/27/19 14:10 | 1       |
| Tetrachloro-m-xylene   | 48        |           | 44 - 120 |        |      |   | 06/26/19 07:45 | 06/27/19 14:10 | 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 |   | 06/25/19 15:17 | 06/26/19 18:15 | 1       |
| PCB-1221               | ND        |           | 0.50     | 0.18 | ug/L |   | 06/25/19 15:17 | 06/26/19 18:15 | 1       |
| PCB-1232               | ND        |           | 0.50     | 0.18 | ug/L |   | 06/25/19 15:17 | 06/26/19 18:15 | 1       |
| PCB-1242               | ND        |           | 0.50     | 0.18 | ug/L |   | 06/25/19 15:17 | 06/26/19 18:15 | 1       |
| PCB-1248               | ND        |           | 0.50     | 0.18 | ug/L |   | 06/25/19 15:17 | 06/26/19 18:15 | 1       |
| PCB-1254               | ND        |           | 0.50     | 0.25 | ug/L |   | 06/25/19 15:17 | 06/26/19 18:15 | 1       |
| PCB-1260               | ND        |           | 0.50     | 0.25 | ug/L |   | 06/25/19 15:17 | 06/26/19 18:15 | 1       |
| PCB-1262               | ND        |           | 0.50     | 0.25 | ug/L |   | 06/25/19 15:17 | 06/26/19 18:15 | 1       |
| PCB-1268               | ND        |           | 0.50     | 0.25 | ug/L |   | 06/25/19 15:17 | 06/26/19 18:15 | 1       |
| Surrogate              | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Tetrachloro-m-xylene   | 51        |           | 39 - 121 |      |      |   | 06/25/19 15:17 | 06/26/19 18:15 | 1       |
| DCB Decachlorobiphenyl | 32        |           | 19 - 120 |      |      |   | 06/25/19 15:17 | 06/26/19 18:15 | 1       |

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

Client Sample ID: MW-13-03

Lab Sample ID: 480-155341-2

Date Collected: 06/21/19 14:30

Matrix: Water

Date Received: 06/21/19 15:45

## 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      | 0.82      |           | 0.20     | 0.10 | ug/L |   | 06/25/19 15:44 | 07/01/19 19:08 | 1       |
| Isotope Dilution | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 27        |           | 15 - 110 |      |      |   | 06/25/19 15:44 | 07/01/19 19:08 | 1       |

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

| Analyte                       | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| 1,4-Dichlorobenzene           | ND     |           | 200 | 9.2 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 2,4,5-Trichlorophenol         | ND     |           | 100 | 9.6 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 2,4,6-Trichlorophenol         | ND     |           | 100 | 12  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 2,4-Dichlorophenol            | ND     |           | 100 | 10  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 2,4-Dimethylphenol            | ND     |           | 100 | 10  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 2,4-Dinitrophenol             | ND     |           | 200 | 44  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 2,4-Dinitrotoluene            | ND     |           | 100 | 8.9 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 2,6-Dinitrotoluene            | ND     |           | 100 | 8.0 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 2-Chloronaphthalene           | ND     |           | 100 | 9.2 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 2-Chlorophenol                | ND     |           | 100 | 11  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 2-Methylnaphthalene           | ND     |           | 100 | 12  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 2-Methylphenol                | ND     |           | 100 | 8.0 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 2-Nitroaniline                | ND     |           | 200 | 8.4 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 2-Nitrophenol                 | ND     |           | 100 | 9.6 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 3,3'-Dichlorobenzidine        | ND     |           | 100 | 8.0 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 3-Methylphenol                | ND     |           | 200 | 8.0 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 3-Nitroaniline                | ND     |           | 200 | 9.6 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 4,6-Dinitro-2-methylphenol    | ND     |           | 200 | 44  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 4-Bromophenyl phenyl ether    | ND     |           | 100 | 9.0 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 4-Chloro-3-methylphenol       | ND     |           | 100 | 9.0 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 4-Chloroaniline               | ND     |           | 100 | 12  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 4-Chlorophenyl phenyl ether   | ND     |           | 100 | 7.0 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 4-Methylphenol                | ND     |           | 200 | 7.2 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 4-Nitroaniline                | ND     |           | 200 | 5.0 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 4-Nitrophenol                 | ND     |           | 200 | 30  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Acenaphthene                  | ND     |           | 100 | 8.2 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Acenaphthylene                | ND     |           | 100 | 7.6 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Acetophenone                  | ND     |           | 100 | 11  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Anthracene                    | ND     |           | 100 | 5.6 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Atrazine                      | ND     |           | 100 | 9.2 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Benzaldehyde                  | ND     |           | 100 | 5.3 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Benzo[a]anthracene            | ND     |           | 100 | 7.2 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Benzo[a]pyrene                | ND     |           | 100 | 9.4 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Benzo[b]fluoranthene          | ND     |           | 100 | 6.8 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Benzo[g,h,i]perylene          | ND     |           | 100 | 7.0 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Benzo[k]fluoranthene          | ND     |           | 100 | 15  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Biphenyl                      | ND     |           | 100 | 13  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| bis (2-chloroisopropyl) ether | ND     |           | 100 | 10  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Bis(2-chloroethoxy)methane    | ND     |           | 100 | 7.0 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Bis(2-chloroethyl)ether       | ND     |           | 100 | 8.0 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Bis(2-ethylhexyl) phthalate   | ND     |           | 100 | 44  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Butyl benzyl phthalate        | ND     |           | 100 | 20  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Caprolactam                   | ND     |           | 100 | 44  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

Client Sample ID: MW-13-03

Lab Sample ID: 480-155341-2

Date Collected: 06/21/19 14:30

Matrix: Water

Date Received: 06/21/19 15:45

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

| Analyte                   | Result | Qualifier | RL  | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-----|------|---|----------------|----------------|---------|
| Carbazole                 | ND     |           | 100 | 6.0 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Chrysene                  | ND     |           | 100 | 6.6 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Dibenz(a,h)anthracene     | ND     |           | 100 | 8.4 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Dibenzofuran              | ND     |           | 200 | 10  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Diethyl phthalate         | ND     |           | 100 | 4.4 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Dimethyl phthalate        | ND     |           | 100 | 7.2 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Di-n-butyl phthalate      | ND     |           | 100 | 6.2 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Di-n-octyl phthalate      | ND     |           | 100 | 9.4 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Fluoranthene              | ND     |           | 100 | 8.0 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Fluorene                  | ND     |           | 100 | 7.2 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Hexachlorobenzene         | ND     |           | 100 | 10  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Hexachlorobutadiene       | ND     |           | 100 | 14  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Hexachlorocyclopentadiene | ND     |           | 100 | 12  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Hexachloroethane          | ND     |           | 100 | 12  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Indeno[1,2,3-cd]pyrene    | ND     |           | 100 | 9.4 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Isophorone                | ND     |           | 100 | 8.6 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Naphthalene               | ND     |           | 100 | 15  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Nitrobenzene              | ND     |           | 100 | 5.8 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| N-Nitrosodi-n-propylamine | ND     |           | 100 | 11  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| N-Nitrosodiphenylamine    | ND     |           | 100 | 10  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Pentachlorophenol         | ND     |           | 200 | 44  | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Phenanthrene              | ND     |           | 100 | 8.8 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Phenol                    | ND     |           | 100 | 7.8 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Pyrene                    | ND     |           | 100 | 6.8 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Pyridine                  | ND     |           | 500 | 8.2 | ug/L |   | 06/26/19 14:44 | 07/04/19 03:10 | 20      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 77        |           | 41 - 120 | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 2-Fluorobiphenyl            | 62        |           | 48 - 120 | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| 2-Fluorophenol (Surr)       | 41        |           | 35 - 120 | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Nitrobenzene-d5 (Surr)      | 48        |           | 46 - 120 | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| p-Terphenyl-d14 (Surr)      | 60        |           | 59 - 136 | 06/26/19 14:44 | 07/04/19 03:10 | 20      |
| Phenol-d5 (Surr)            | 29        |           | 22 - 120 | 06/26/19 14:44 | 07/04/19 03:10 | 20      |

## Method: 310.13 - Identification of Routine Petroleum Products

| Analyte              | Result | Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND     |           | 0.20 | 0.20 | mg/L |   | 06/26/19 15:03 | 06/27/19 12:19 | 1       |
| Kerosene             | ND     |           | 0.50 | 0.50 | mg/L |   | 06/26/19 15:03 | 06/27/19 12:19 | 1       |
| Motor Oil            | 0.52   |           | 0.50 | 0.50 | mg/L |   | 06/26/19 15:03 | 06/27/19 12:19 | 1       |
| Fuel Oil #2          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/26/19 15:03 | 06/27/19 12:19 | 1       |
| Fuel Oil #4          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/26/19 15:03 | 06/27/19 12:19 | 1       |
| Fuel Oil #6          | ND     |           | 0.50 | 0.50 | mg/L |   | 06/26/19 15:03 | 06/27/19 12:19 | 1       |
| Unknown Hydrocarbons | ND     |           | 0.20 | 0.20 | mg/L |   | 06/26/19 15:03 | 06/27/19 12:19 | 1       |

## Method: 8081B - Organochlorine Pesticides (GC)

| Analyte               | Result | Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|--------|-----------|-------|--------|------|---|----------------|----------------|---------|
| Chlordane (technical) | ND     |           | 0.50  | 0.29   | ug/L |   | 06/26/19 07:45 | 06/27/19 14:30 | 1       |
| Endrin                | ND     |           | 0.050 | 0.014  | ug/L |   | 06/26/19 07:45 | 06/27/19 14:30 | 1       |
| gamma-BHC (Lindane)   | ND     |           | 0.050 | 0.0080 | ug/L |   | 06/26/19 07:45 | 06/27/19 14:30 | 1       |
| Heptachlor            | ND     |           | 0.050 | 0.0085 | ug/L |   | 06/26/19 07:45 | 06/27/19 14:30 | 1       |

Eurofins TestAmerica, Buffalo

# Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

Client Sample ID: MW-13-03

Lab Sample ID: 480-155341-2

Date Collected: 06/21/19 14:30

Matrix: Water

Date Received: 06/21/19 15:45

## 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 |   | 06/26/19 07:45 | 06/27/19 14:30 | 1       |
| Methoxychlor           | ND        |           | 0.050    | 0.014  | ug/L |   | 06/26/19 07:45 | 06/27/19 14:30 | 1       |
| Toxaphene              | ND        |           | 0.50     | 0.12   | ug/L |   | 06/26/19 07:45 | 06/27/19 14:30 | 1       |
| Surrogate              | %Recovery | Qualifier | Limits   |        |      |   | Prepared       | Analyzed       | Dil Fac |
| DCB Decachlorobiphenyl | 33        |           | 20 - 120 |        |      |   | 06/26/19 07:45 | 06/27/19 14:30 | 1       |
| Tetrachloro-m-xylene   | 74        |           | 44 - 120 |        |      |   | 06/26/19 07:45 | 06/27/19 14:30 | 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 |   | 06/25/19 15:17 | 06/26/19 18:28 | 1       |
| PCB-1221               | ND        |           | 0.50     | 0.18 | ug/L |   | 06/25/19 15:17 | 06/26/19 18:28 | 1       |
| PCB-1232               | ND        |           | 0.50     | 0.18 | ug/L |   | 06/25/19 15:17 | 06/26/19 18:28 | 1       |
| PCB-1242               | ND        |           | 0.50     | 0.18 | ug/L |   | 06/25/19 15:17 | 06/26/19 18:28 | 1       |
| PCB-1248               | ND        |           | 0.50     | 0.18 | ug/L |   | 06/25/19 15:17 | 06/26/19 18:28 | 1       |
| PCB-1254               | ND        |           | 0.50     | 0.25 | ug/L |   | 06/25/19 15:17 | 06/26/19 18:28 | 1       |
| PCB-1260               | ND        |           | 0.50     | 0.25 | ug/L |   | 06/25/19 15:17 | 06/26/19 18:28 | 1       |
| PCB-1262               | ND        |           | 0.50     | 0.25 | ug/L |   | 06/25/19 15:17 | 06/26/19 18:28 | 1       |
| PCB-1268               | ND        |           | 0.50     | 0.25 | ug/L |   | 06/25/19 15:17 | 06/26/19 18:28 | 1       |
| Surrogate              | %Recovery | Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| Tetrachloro-m-xylene   | 43        |           | 39 - 121 |      |      |   | 06/25/19 15:17 | 06/26/19 18:28 | 1       |
| DCB Decachlorobiphenyl | 36        |           | 19 - 120 |      |      |   | 06/25/19 15:17 | 06/26/19 18:28 | 1       |

## Method: 6010C - Metals (ICP)

| Analyte   | Result  | Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|---------|-----------|--------|---------|------|---|----------------|----------------|---------|
| Aluminum  | ND      |           | 0.20   | 0.060   | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Antimony  | ND      |           | 0.020  | 0.0068  | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Arsenic   | ND      |           | 0.015  | 0.0056  | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Barium    | 0.016   |           | 0.0020 | 0.00070 | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Beryllium | ND      |           | 0.0020 | 0.00030 | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Cadmium   | ND      |           | 0.0020 | 0.00050 | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Calcium   | 53.9    |           | 0.50   | 0.10    | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Chromium  | 0.0016  | J         | 0.0040 | 0.0010  | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Cobalt    | ND      |           | 0.0040 | 0.00063 | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Copper    | 0.0094  | J         | 0.010  | 0.0016  | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Iron      | ND      |           | 0.050  | 0.019   | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Lead      | ND      |           | 0.010  | 0.0030  | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Magnesium | 6.0     |           | 0.20   | 0.043   | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Manganese | 0.00069 | J         | 0.0030 | 0.00040 | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Nickel    | ND      |           | 0.010  | 0.0013  | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Potassium | 1.9     |           | 0.50   | 0.10    | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Selenium  | ND      |           | 0.025  | 0.0087  | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Silver    | ND      |           | 0.0060 | 0.0017  | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Sodium    | 14.2    |           | 1.0    | 0.32    | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Thallium  | ND      |           | 0.020  | 0.010   | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Vanadium  | ND      |           | 0.0050 | 0.0015  | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |
| Zinc      | 0.0062  | J B       | 0.010  | 0.0015  | mg/L |   | 06/26/19 08:01 | 06/26/19 23:01 | 1       |

Eurofins TestAmerica, Buffalo

## Client Sample Results

Client: New York State D.E.C.  
Project/Site: Vibrattech #915165

Job ID: 480-155341-1

**Client Sample ID: MW-13-03**

**Lab Sample ID: 480-155341-2**

**Date Collected: 06/21/19 14:30**

**Matrix: Water**

**Date Received: 06/21/19 15:45**

**Method: 7470A - Mercury (CVAA)**

| Analyte | Result | Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.00020 | 0.00012 | mg/L | — | 06/26/19 13:10 | 06/26/19 17:23 | 1       |

# Surrogate Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID                     | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                 |                 |                    |                 |
|-----------------------------------|------------------------|------------------------------------------------|-----------------|-----------------|-----------------|--------------------|-----------------|
|                                   |                        | TBP<br>(41-120)                                | FBP<br>(48-120) | 2FP<br>(35-120) | NBZ<br>(46-120) | TPHd14<br>(59-136) | PHL<br>(22-120) |
| 480-155341-2                      | MW-13-03               | 77                                             | 62              | 41              | 48              | 60                 | 29              |
| LCS 480-479769/2-A                | Lab Control Sample     | 96                                             | 89              | 73              | 90              | 94                 | 56              |
| LCSD 480-479769/3-A               | Lab Control Sample Dup | 88                                             | 85              | 70              | 85              | 87                 | 54              |
| MB 480-479769/1-A                 | Method Blank           | 83                                             | 90              | 69              | 82              | 93                 | 50              |
| <b>Surrogate Legend</b>           |                        |                                                |                 |                 |                 |                    |                 |
| TBP = 2,4,6-Tribromophenol (Surr) |                        |                                                |                 |                 |                 |                    |                 |
| FBP = 2-Fluorobiphenyl            |                        |                                                |                 |                 |                 |                    |                 |
| 2FP = 2-Fluorophenol (Surr)       |                        |                                                |                 |                 |                 |                    |                 |
| NBZ = Nitrobenzene-d5 (Surr)      |                        |                                                |                 |                 |                 |                    |                 |
| TPHd14 = p-Terphenyl-d14 (Surr)   |                        |                                                |                 |                 |                 |                    |                 |
| PHL = Phenol-d5 (Surr)            |                        |                                                |                 |                 |                 |                    |                 |

## Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID                 | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                  |
|-------------------------------|------------------------|------------------------------------------------|------------------|
|                               |                        | DCBP1<br>(20-120)                              | TCX1<br>(44-120) |
| 480-155341-1                  | MW-07-94               | 31                                             | 48               |
| 480-155341-2                  | MW-13-03               | 33                                             | 74               |
| LCS 480-479629/2-A            | Lab Control Sample     | 48                                             | 73               |
| LCSD 480-479629/3-A           | Lab Control Sample Dup | 51                                             | 75               |
| MB 480-479629/1-A             | Method Blank           | 51                                             | 77               |
| <b>Surrogate Legend</b>       |                        |                                                |                  |
| DCBP = DCB Decachlorobiphenyl |                        |                                                |                  |
| TCX = Tetrachloro-m-xylene    |                        |                                                |                  |

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID                 | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------------|------------------------|------------------------------------------------|-------------------|
|                               |                        | TCX2<br>(39-121)                               | DCBP2<br>(19-120) |
| 480-155341-1                  | MW-07-94               | 51                                             | 32                |
| 480-155341-2                  | MW-13-03               | 43                                             | 36                |
| LCS 480-479546/2-A            | Lab Control Sample     | 60                                             | 35                |
| LCSD 480-479546/3-A           | Lab Control Sample Dup | 66                                             | 38                |
| MB 480-479546/1-A             | Method Blank           | 71                                             | 41                |
| <b>Surrogate Legend</b>       |                        |                                                |                   |
| TCX = Tetrachloro-m-xylene    |                        |                                                |                   |
| DCBP = DCB Decachlorobiphenyl |                        |                                                |                   |

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

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

Lab Sample ID: MB 480-479769/1-A

Matrix: Water

Analysis Batch: 480826

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 479769

| Analyte                       | MB<br>Result | MB<br>Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------------|-----------------|-----|------|------|---|----------------|----------------|---------|
| 1,4-Dichlorobenzene           | ND           |                 | 10  | 0.46 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 2,4,5-Trichlorophenol         | ND           |                 | 5.0 | 0.48 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 2,4,6-Trichlorophenol         | ND           |                 | 5.0 | 0.61 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 2,4-Dichlorophenol            | ND           |                 | 5.0 | 0.51 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 2,4-Dimethylphenol            | ND           |                 | 5.0 | 0.50 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 2,4-Dinitrophenol             | ND           |                 | 10  | 2.2  | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 2,4-Dinitrotoluene            | ND           |                 | 5.0 | 0.45 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 2,6-Dinitrotoluene            | ND           |                 | 5.0 | 0.40 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 2-Chloronaphthalene           | ND           |                 | 5.0 | 0.46 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 2-Chlorophenol                | ND           |                 | 5.0 | 0.53 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 2-Methylnaphthalene           | ND           |                 | 5.0 | 0.60 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 2-Methylphenol                | ND           |                 | 5.0 | 0.40 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 2-Nitroaniline                | ND           |                 | 10  | 0.42 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 2-Nitrophenol                 | ND           |                 | 5.0 | 0.48 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 3,3'-Dichlorobenzidine        | ND           |                 | 5.0 | 0.40 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 3-Methylphenol                | ND           |                 | 10  | 0.40 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 3-Nitroaniline                | ND           |                 | 10  | 0.48 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 4,6-Dinitro-2-methylphenol    | ND           |                 | 10  | 2.2  | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 4-Bromophenyl phenyl ether    | ND           |                 | 5.0 | 0.45 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 4-Chloro-3-methylphenol       | ND           |                 | 5.0 | 0.45 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 4-Chloroaniline               | ND           |                 | 5.0 | 0.59 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 4-Chlorophenyl phenyl ether   | ND           |                 | 5.0 | 0.35 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 4-Methylphenol                | ND           |                 | 10  | 0.36 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 4-Nitroaniline                | ND           |                 | 10  | 0.25 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 4-Nitrophenol                 | ND           |                 | 10  | 1.5  | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Acenaphthene                  | ND           |                 | 5.0 | 0.41 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Acenaphthylene                | ND           |                 | 5.0 | 0.38 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Acetophenone                  | ND           |                 | 5.0 | 0.54 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Anthracene                    | ND           |                 | 5.0 | 0.28 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Atrazine                      | ND           |                 | 5.0 | 0.46 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Benzaldehyde                  | ND           |                 | 5.0 | 0.27 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Benzo[a]anthracene            | ND           |                 | 5.0 | 0.36 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Benzo[a]pyrene                | ND           |                 | 5.0 | 0.47 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Benzo[b]fluoranthene          | ND           |                 | 5.0 | 0.34 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Benzo[g,h,i]perylene          | ND           |                 | 5.0 | 0.35 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Benzo[k]fluoranthene          | ND           |                 | 5.0 | 0.73 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Biphenyl                      | ND           |                 | 5.0 | 0.65 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| bis (2-chloroisopropyl) ether | ND           |                 | 5.0 | 0.52 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Bis(2-chloroethoxy)methane    | ND           |                 | 5.0 | 0.35 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Bis(2-chloroethyl)ether       | ND           |                 | 5.0 | 0.40 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Bis(2-ethylhexyl) phthalate   | ND           |                 | 5.0 | 2.2  | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Butyl benzyl phthalate        | ND           |                 | 5.0 | 1.0  | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Caprolactam                   | ND           |                 | 5.0 | 2.2  | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Carbazole                     | ND           |                 | 5.0 | 0.30 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Chrysene                      | ND           |                 | 5.0 | 0.33 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Dibenz(a,h)anthracene         | ND           |                 | 5.0 | 0.42 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Dibenzofuran                  | ND           |                 | 10  | 0.51 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Diethyl phthalate             | ND           |                 | 5.0 | 0.22 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

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

Lab Sample ID: MB 480-479769/1-A

Matrix: Water

Analysis Batch: 480826

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 479769

| Analyte                   | MB<br>Result | MB<br>Qualifier | RL  | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------------|-----------------|-----|------|------|---|----------------|----------------|---------|
| Dimethyl phthalate        | ND           |                 | 5.0 | 0.36 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Di-n-butyl phthalate      | ND           |                 | 5.0 | 0.31 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Di-n-octyl phthalate      | ND           |                 | 5.0 | 0.47 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Fluoranthene              | ND           |                 | 5.0 | 0.40 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Fluorene                  | ND           |                 | 5.0 | 0.36 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Hexachlorobenzene         | ND           |                 | 5.0 | 0.51 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Hexachlorobutadiene       | ND           |                 | 5.0 | 0.68 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Hexachlorocyclopentadiene | ND           |                 | 5.0 | 0.59 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Hexachloroethane          | ND           |                 | 5.0 | 0.59 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Indeno[1,2,3-cd]pyrene    | ND           |                 | 5.0 | 0.47 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Isophorone                | ND           |                 | 5.0 | 0.43 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Naphthalene               | ND           |                 | 5.0 | 0.76 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Nitrobenzene              | ND           |                 | 5.0 | 0.29 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| N-Nitrosodi-n-propylamine | ND           |                 | 5.0 | 0.54 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| N-Nitrosodiphenylamine    | ND           |                 | 5.0 | 0.51 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Pentachlorophenol         | ND           |                 | 10  | 2.2  | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Phenanthrene              | 1.49         | J               | 5.0 | 0.44 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Phenol                    | ND           |                 | 5.0 | 0.39 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Pyrene                    | ND           |                 | 5.0 | 0.34 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Pyridine                  | ND           |                 | 25  | 0.41 | ug/L |   | 06/26/19 14:44 | 07/03/19 19:29 | 1       |

| Surrogate                   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 2,4,6-Tribromophenol (Surr) | 83              |                 | 41 - 120 | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 2-Fluorobiphenyl            | 90              |                 | 48 - 120 | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| 2-Fluorophenol (Surr)       | 69              |                 | 35 - 120 | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Nitrobenzene-d5 (Surr)      | 82              |                 | 46 - 120 | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| p-Terphenyl-d14 (Surr)      | 93              |                 | 59 - 136 | 06/26/19 14:44 | 07/03/19 19:29 | 1       |
| Phenol-d5 (Surr)            | 50              |                 | 22 - 120 | 06/26/19 14:44 | 07/03/19 19:29 | 1       |

Lab Sample ID: LCS 480-479769/2-A

Matrix: Water

Analysis Batch: 480826

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 479769

| Analyte               | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|-----------------------|----------------|---------------|------------------|------|---|------|-----------------|
| 1,4-Dichlorobenzene   | 32.0           | 26.9          |                  | ug/L |   | 84   | 51 - 120        |
| 2,4,5-Trichlorophenol | 32.0           | 31.5          |                  | ug/L |   | 99   | 65 - 126        |
| 2,4,6-Trichlorophenol | 32.0           | 30.2          |                  | ug/L |   | 94   | 64 - 120        |
| 2,4-Dichlorophenol    | 32.0           | 31.3          |                  | ug/L |   | 98   | 63 - 120        |
| 2,4-Dimethylphenol    | 32.0           | 30.6          |                  | ug/L |   | 95   | 47 - 120        |
| 2,4-Dinitrophenol     | 64.0           | 66.0          |                  | ug/L |   | 103  | 31 - 137        |
| 2,4-Dinitrotoluene    | 32.0           | 31.1          |                  | ug/L |   | 97   | 69 - 120        |
| 2,6-Dinitrotoluene    | 32.0           | 31.1          |                  | ug/L |   | 97   | 68 - 120        |
| 2-Chloronaphthalene   | 32.0           | 28.6          |                  | ug/L |   | 89   | 58 - 120        |
| 2-Chlorophenol        | 32.0           | 28.9          |                  | ug/L |   | 90   | 48 - 120        |
| 2-Methylnaphthalene   | 32.0           | 29.1          |                  | ug/L |   | 91   | 59 - 120        |
| 2-Methylphenol        | 32.0           | 28.3          |                  | ug/L |   | 88   | 39 - 120        |
| 2-Nitroaniline        | 32.0           | 30.7          |                  | ug/L |   | 96   | 54 - 127        |
| 2-Nitrophenol         | 32.0           | 30.8          |                  | ug/L |   | 96   | 52 - 125        |

Eurofins TestAmerica, Buffalo



# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

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

Lab Sample ID: LCS 480-479769/2-A

Matrix: Water

Analysis Batch: 480826

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 479769

| Analyte                       | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------------------|-------------|------------|---------------|------|---|------|--------------|
| 3,3'-Dichlorobenzidine        | 64.0        | 61.6       |               | ug/L |   | 96   | 49 - 135     |
| 3-Methylphenol                | 32.0        | 27.3       |               | ug/L |   | 85   | 39 - 120     |
| 3-Nitroaniline                | 32.0        | 26.5       |               | ug/L |   | 83   | 51 - 120     |
| 4,6-Dinitro-2-methylphenol    | 64.0        | 69.1       |               | ug/L |   | 108  | 46 - 136     |
| 4-Bromophenyl phenyl ether    | 32.0        | 29.3       |               | ug/L |   | 92   | 65 - 120     |
| 4-Chloro-3-methylphenol       | 32.0        | 31.2       |               | ug/L |   | 98   | 61 - 123     |
| 4-Chloroaniline               | 32.0        | 25.3       |               | ug/L |   | 79   | 30 - 120     |
| 4-Chlorophenyl phenyl ether   | 32.0        | 29.6       |               | ug/L |   | 92   | 62 - 120     |
| 4-Methylphenol                | 32.0        | 27.3       |               | ug/L |   | 85   | 29 - 131     |
| 4-Nitroaniline                | 32.0        | 30.9       |               | ug/L |   | 97   | 65 - 120     |
| 4-Nitrophenol                 | 64.0        | 53.3       |               | ug/L |   | 83   | 45 - 120     |
| Acenaphthene                  | 32.0        | 29.7       |               | ug/L |   | 93   | 60 - 120     |
| Acenaphthylene                | 32.0        | 30.7       |               | ug/L |   | 96   | 63 - 120     |
| Acetophenone                  | 32.0        | 29.5       |               | ug/L |   | 92   | 45 - 120     |
| Anthracene                    | 32.0        | 29.1       |               | ug/L |   | 91   | 67 - 120     |
| Atrazine                      | 64.0        | 72.1       |               | ug/L |   | 113  | 71 - 130     |
| Benzaldehyde                  | 64.0        | 62.8       |               | ug/L |   | 98   | 10 - 140     |
| Benzo[a]anthracene            | 32.0        | 30.4       |               | ug/L |   | 95   | 70 - 121     |
| Benzo[a]pyrene                | 32.0        | 29.5       |               | ug/L |   | 92   | 60 - 123     |
| Benzo[b]fluoranthene          | 32.0        | 33.5       |               | ug/L |   | 105  | 66 - 126     |
| Benzo[g,h,i]perylene          | 32.0        | 31.7       |               | ug/L |   | 99   | 66 - 150     |
| Benzo[k]fluoranthene          | 32.0        | 32.5       |               | ug/L |   | 102  | 65 - 124     |
| Biphenyl                      | 32.0        | 29.1       |               | ug/L |   | 91   | 59 - 120     |
| bis (2-chloroisopropyl) ether | 32.0        | 28.2       |               | ug/L |   | 88   | 21 - 136     |
| Bis(2-chloroethoxy)methane    | 32.0        | 30.1       |               | ug/L |   | 94   | 50 - 128     |
| Bis(2-chloroethyl)ether       | 32.0        | 30.2       |               | ug/L |   | 95   | 44 - 120     |
| Bis(2-ethylhexyl) phthalate   | 32.0        | 32.0       |               | ug/L |   | 100  | 63 - 139     |
| Butyl benzyl phthalate        | 32.0        | 30.8       |               | ug/L |   | 96   | 70 - 129     |
| Caprolactam                   | 64.0        | 22.7       |               | ug/L |   | 36   | 22 - 120     |
| Carbazole                     | 32.0        | 31.9       |               | ug/L |   | 100  | 66 - 123     |
| Chrysene                      | 32.0        | 30.7       |               | ug/L |   | 96   | 69 - 120     |
| Dibenz(a,h)anthracene         | 32.0        | 31.9       |               | ug/L |   | 100  | 65 - 135     |
| Dibenzofuran                  | 32.0        | 29.5       |               | ug/L |   | 92   | 66 - 120     |
| Diethyl phthalate             | 32.0        | 31.5       |               | ug/L |   | 98   | 59 - 127     |
| Dimethyl phthalate            | 32.0        | 30.5       |               | ug/L |   | 95   | 68 - 120     |
| Di-n-butyl phthalate          | 32.0        | 30.9       |               | ug/L |   | 97   | 69 - 131     |
| Di-n-octyl phthalate          | 32.0        | 32.2       |               | ug/L |   | 101  | 63 - 140     |
| Fluoranthene                  | 32.0        | 30.1       |               | ug/L |   | 94   | 69 - 126     |
| Fluorene                      | 32.0        | 30.1       |               | ug/L |   | 94   | 66 - 120     |
| Hexachlorobenzene             | 32.0        | 29.2       |               | ug/L |   | 91   | 61 - 120     |
| Hexachlorobutadiene           | 32.0        | 27.2       |               | ug/L |   | 85   | 35 - 120     |
| Hexachlorocyclopentadiene     | 32.0        | 25.0       |               | ug/L |   | 78   | 31 - 120     |
| Hexachloroethane              | 32.0        | 26.6       |               | ug/L |   | 83   | 43 - 120     |
| Indeno[1,2,3-cd]pyrene        | 32.0        | 31.3       |               | ug/L |   | 98   | 69 - 146     |
| Isophorone                    | 32.0        | 30.6       |               | ug/L |   | 96   | 55 - 120     |
| Naphthalene                   | 32.0        | 28.5       |               | ug/L |   | 89   | 57 - 120     |
| Nitrobenzene                  | 32.0        | 30.1       |               | ug/L |   | 94   | 53 - 123     |
| N-Nitrosodi-n-propylamine     | 32.0        | 30.3       |               | ug/L |   | 95   | 32 - 140     |
| N-Nitrosodiphenylamine        | 32.0        | 29.5       |               | ug/L |   | 92   | 61 - 120     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

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

Lab Sample ID: LCS 480-479769/2-A

Matrix: Water

Analysis Batch: 480826

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 479769

| Analyte           | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-------------------|-------------|------------|---------------|------|---|------|--------------|
| Pentachlorophenol | 64.0        | 65.0       |               | ug/L |   | 102  | 29 - 136     |
| Phenanthrene      | 32.0        | 29.5       |               | ug/L |   | 92   | 68 - 120     |
| Phenol            | 32.0        | 19.0       |               | ug/L |   | 59   | 17 - 120     |
| Pyrene            | 32.0        | 31.6       |               | ug/L |   | 99   | 70 - 125     |
| Pyridine          | 64.0        | 22.0       | J             | ug/L |   | 34   | 10 - 120     |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 2,4,6-Tribromophenol (Surr) | 96            |               | 41 - 120 |
| 2-Fluorobiphenyl            | 89            |               | 48 - 120 |
| 2-Fluorophenol (Surr)       | 73            |               | 35 - 120 |
| Nitrobenzene-d5 (Surr)      | 90            |               | 46 - 120 |
| p-Terphenyl-d14 (Surr)      | 94            |               | 59 - 136 |
| Phenol-d5 (Surr)            | 56            |               | 22 - 120 |

Lab Sample ID: LCSD 480-479769/3-A

Matrix: Water

Analysis Batch: 480826

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 479769

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| 1,4-Dichlorobenzene         | 32.0        | 25.4        |                | ug/L |   | 79   | 51 - 120     | 6   | 36        |
| 2,4,5-Trichlorophenol       | 32.0        | 28.5        |                | ug/L |   | 89   | 65 - 126     | 10  | 18        |
| 2,4,6-Trichlorophenol       | 32.0        | 29.9        |                | ug/L |   | 94   | 64 - 120     | 1   | 19        |
| 2,4-Dichlorophenol          | 32.0        | 29.0        |                | ug/L |   | 91   | 63 - 120     | 7   | 19        |
| 2,4-Dimethylphenol          | 32.0        | 28.8        |                | ug/L |   | 90   | 47 - 120     | 6   | 42        |
| 2,4-Dinitrophenol           | 64.0        | 65.7        |                | ug/L |   | 103  | 31 - 137     | 0   | 22        |
| 2,4-Dinitrotoluene          | 32.0        | 30.0        |                | ug/L |   | 94   | 69 - 120     | 4   | 20        |
| 2,6-Dinitrotoluene          | 32.0        | 29.4        |                | ug/L |   | 92   | 68 - 120     | 6   | 15        |
| 2-Chloronaphthalene         | 32.0        | 26.7        |                | ug/L |   | 84   | 58 - 120     | 7   | 21        |
| 2-Chlorophenol              | 32.0        | 27.8        |                | ug/L |   | 87   | 48 - 120     | 4   | 25        |
| 2-Methylnaphthalene         | 32.0        | 27.5        |                | ug/L |   | 86   | 59 - 120     | 6   | 21        |
| 2-Methylphenol              | 32.0        | 27.2        |                | ug/L |   | 85   | 39 - 120     | 4   | 27        |
| 2-Nitroaniline              | 32.0        | 29.3        |                | ug/L |   | 92   | 54 - 127     | 5   | 15        |
| 2-Nitrophenol               | 32.0        | 29.3        |                | ug/L |   | 92   | 52 - 125     | 5   | 18        |
| 3,3'-Dichlorobenzidine      | 64.0        | 56.1        |                | ug/L |   | 88   | 49 - 135     | 9   | 25        |
| 3-Methylphenol              | 32.0        | 26.2        |                | ug/L |   | 82   | 39 - 120     | 4   | 30        |
| 3-Nitroaniline              | 32.0        | 25.9        |                | ug/L |   | 81   | 51 - 120     | 2   | 19        |
| 4,6-Dinitro-2-methylphenol  | 64.0        | 67.0        |                | ug/L |   | 105  | 46 - 136     | 3   | 15        |
| 4-Bromophenyl phenyl ether  | 32.0        | 27.8        |                | ug/L |   | 87   | 65 - 120     | 5   | 15        |
| 4-Chloro-3-methylphenol     | 32.0        | 29.4        |                | ug/L |   | 92   | 61 - 123     | 6   | 27        |
| 4-Chloroaniline             | 32.0        | 24.9        |                | ug/L |   | 78   | 30 - 120     | 2   | 22        |
| 4-Chlorophenyl phenyl ether | 32.0        | 27.8        |                | ug/L |   | 87   | 62 - 120     | 6   | 16        |
| 4-Methylphenol              | 32.0        | 26.2        |                | ug/L |   | 82   | 29 - 131     | 4   | 24        |
| 4-Nitroaniline              | 32.0        | 30.2        |                | ug/L |   | 94   | 65 - 120     | 2   | 24        |
| 4-Nitrophenol               | 64.0        | 50.9        |                | ug/L |   | 80   | 45 - 120     | 5   | 48        |
| Acenaphthene                | 32.0        | 27.9        |                | ug/L |   | 87   | 60 - 120     | 6   | 24        |
| Acenaphthylene              | 32.0        | 29.0        |                | ug/L |   | 91   | 63 - 120     | 6   | 18        |
| Acetophenone                | 32.0        | 27.8        |                | ug/L |   | 87   | 45 - 120     | 6   | 20        |
| Anthracene                  | 32.0        | 27.8        |                | ug/L |   | 87   | 67 - 120     | 5   | 15        |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

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

Lab Sample ID: LCSD 480-479769/3-A

Matrix: Water

Analysis Batch: 480826

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 479769

| Analyte                       | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-------------------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Atrazine                      | 64.0        | 68.6        |                | ug/L |   | 107  | 71 - 130     | 5   | 20        |
| Benzaldehyde                  | 64.0        | 58.0        |                | ug/L |   | 91   | 10 - 140     | 8   | 20        |
| Benzo[a]anthracene            | 32.0        | 28.6        |                | ug/L |   | 89   | 70 - 121     | 6   | 15        |
| Benzo[a]pyrene                | 32.0        | 27.4        |                | ug/L |   | 86   | 60 - 123     | 7   | 15        |
| Benzo[b]fluoranthene          | 32.0        | 31.6        |                | ug/L |   | 99   | 66 - 126     | 6   | 15        |
| Benzo[g,h,i]perylene          | 32.0        | 29.4        |                | ug/L |   | 92   | 66 - 150     | 8   | 15        |
| Benzo[k]fluoranthene          | 32.0        | 29.9        |                | ug/L |   | 93   | 65 - 124     | 8   | 22        |
| Biphenyl                      | 32.0        | 27.5        |                | ug/L |   | 86   | 59 - 120     | 6   | 20        |
| bis (2-chloroisopropyl) ether | 32.0        | 26.2        |                | ug/L |   | 82   | 21 - 136     | 7   | 24        |
| Bis(2-chloroethoxy)methane    | 32.0        | 28.4        |                | ug/L |   | 89   | 50 - 128     | 6   | 17        |
| Bis(2-chloroethyl)ether       | 32.0        | 28.9        |                | ug/L |   | 90   | 44 - 120     | 5   | 21        |
| Bis(2-ethylhexyl) phthalate   | 32.0        | 30.2        |                | ug/L |   | 94   | 63 - 139     | 6   | 15        |
| Butyl benzyl phthalate        | 32.0        | 28.9        |                | ug/L |   | 90   | 70 - 129     | 6   | 16        |
| Caprolactam                   | 64.0        | 22.0        |                | ug/L |   | 34   | 22 - 120     | 3   | 20        |
| Carbazole                     | 32.0        | 30.5        |                | ug/L |   | 95   | 66 - 123     | 4   | 20        |
| Chrysene                      | 32.0        | 28.3        |                | ug/L |   | 88   | 69 - 120     | 8   | 15        |
| Dibenz(a,h)anthracene         | 32.0        | 29.7        |                | ug/L |   | 93   | 65 - 135     | 7   | 15        |
| Dibenzofuran                  | 32.0        | 27.8        |                | ug/L |   | 87   | 66 - 120     | 6   | 15        |
| Diethyl phthalate             | 32.0        | 29.6        |                | ug/L |   | 93   | 59 - 127     | 6   | 15        |
| Dimethyl phthalate            | 32.0        | 28.9        |                | ug/L |   | 90   | 68 - 120     | 5   | 15        |
| Di-n-butyl phthalate          | 32.0        | 29.5        |                | ug/L |   | 92   | 69 - 131     | 5   | 15        |
| Di-n-octyl phthalate          | 32.0        | 29.9        |                | ug/L |   | 94   | 63 - 140     | 7   | 16        |
| Fluoranthene                  | 32.0        | 28.7        |                | ug/L |   | 90   | 69 - 126     | 5   | 15        |
| Fluorene                      | 32.0        | 28.6        |                | ug/L |   | 89   | 66 - 120     | 5   | 15        |
| Hexachlorobenzene             | 32.0        | 27.7        |                | ug/L |   | 87   | 61 - 120     | 5   | 15        |
| Hexachlorobutadiene           | 32.0        | 25.4        |                | ug/L |   | 80   | 35 - 120     | 7   | 44        |
| Hexachlorocyclopentadiene     | 32.0        | 24.1        |                | ug/L |   | 75   | 31 - 120     | 4   | 49        |
| Hexachloroethane              | 32.0        | 25.1        |                | ug/L |   | 78   | 43 - 120     | 6   | 46        |
| Indeno[1,2,3-cd]pyrene        | 32.0        | 29.4        |                | ug/L |   | 92   | 69 - 146     | 6   | 15        |
| Isophorone                    | 32.0        | 28.7        |                | ug/L |   | 90   | 55 - 120     | 7   | 17        |
| Naphthalene                   | 32.0        | 26.7        |                | ug/L |   | 83   | 57 - 120     | 7   | 29        |
| Nitrobenzene                  | 32.0        | 28.8        |                | ug/L |   | 90   | 53 - 123     | 5   | 24        |
| N-Nitrosodi-n-propylamine     | 32.0        | 29.0        |                | ug/L |   | 91   | 32 - 140     | 4   | 31        |
| N-Nitrosodiphenylamine        | 32.0        | 27.8        |                | ug/L |   | 87   | 61 - 120     | 6   | 15        |
| Pentachlorophenol             | 64.0        | 63.2        |                | ug/L |   | 99   | 29 - 136     | 3   | 37        |
| Phenanthrene                  | 32.0        | 28.0        |                | ug/L |   | 88   | 68 - 120     | 5   | 15        |
| Phenol                        | 32.0        | 18.4        |                | ug/L |   | 57   | 17 - 120     | 4   | 34        |
| Pyrene                        | 32.0        | 29.2        |                | ug/L |   | 91   | 70 - 125     | 8   | 19        |
| Pyridine                      | 64.0        | 24.2        | J              | ug/L |   | 38   | 10 - 120     | 9   | 49        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 2,4,6-Tribromophenol (Surr) | 88             |                | 41 - 120 |
| 2-Fluorobiphenyl            | 85             |                | 48 - 120 |
| 2-Fluorophenol (Surr)       | 70             |                | 35 - 120 |
| Nitrobenzene-d5 (Surr)      | 85             |                | 46 - 120 |
| p-Terphenyl-d14 (Surr)      | 87             |                | 59 - 136 |
| Phenol-d5 (Surr)            | 54             |                | 22 - 120 |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

## Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-479551/1-A

Matrix: Water

Analysis Batch: 480296

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 479551

| Analyte          | MB<br>Result    | MB<br>Qualifier | RL       | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-----------------|-----------------|----------|------|------|---|----------------|----------------|---------|
| 1,4-Dioxane      | ND              |                 | 0.20     | 0.10 | ug/L |   | 06/25/19 15:44 | 07/01/19 15:09 | 1       |
| Isotope Dilution | MB<br>%Recovery | MB<br>Qualifier | Limits   |      |      |   | Prepared       | Analyzed       | Dil Fac |
| 1,4-Dioxane-d8   | 39              |                 | 15 - 110 |      |      |   | 06/25/19 15:44 | 07/01/19 15:09 | 1       |

Lab Sample ID: LCS 480-479551/2-A

Matrix: Water

Analysis Batch: 480296

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 479551

| Analyte          | Spike<br>Added   | LCS<br>Result    | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|------------------|------------------|------------------|------------------|------|---|------|-----------------|
| 1,4-Dioxane      | 1.00             | 1.15             |                  | ug/L |   | 115  | 40 - 140        |
| Isotope Dilution | LCS<br>%Recovery | LCS<br>Qualifier | Limits           |      |   |      |                 |
| 1,4-Dioxane-d8   | 41               |                  | 15 - 110         |      |   |      |                 |

## Method: 310.13 - Identification of Routine Petroleum Products

Lab Sample ID: MB 480-479779/1-A

Matrix: Water

Analysis Batch: 479878

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 479779

| Analyte              | MB<br>Result | MB<br>Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------------|-----------------|------|------|------|---|----------------|----------------|---------|
| Gasoline             | ND           |                 | 0.20 | 0.20 | mg/L |   | 06/26/19 15:03 | 06/27/19 08:44 | 1       |
| Kerosene             | ND           |                 | 0.50 | 0.50 | mg/L |   | 06/26/19 15:03 | 06/27/19 08:44 | 1       |
| Motor Oil            | ND           |                 | 1.0  | 1.0  | mg/L |   | 06/26/19 15:03 | 06/27/19 08:44 | 1       |
| Fuel Oil #2          | ND           |                 | 0.50 | 0.50 | mg/L |   | 06/26/19 15:03 | 06/27/19 08:44 | 1       |
| Fuel Oil #4          | ND           |                 | 0.50 | 0.50 | mg/L |   | 06/26/19 15:03 | 06/27/19 08:44 | 1       |
| Fuel Oil #6          | ND           |                 | 0.50 | 0.50 | mg/L |   | 06/26/19 15:03 | 06/27/19 08:44 | 1       |
| Unknown Hydrocarbons | ND           |                 | 0.20 | 0.20 | mg/L |   | 06/26/19 15:03 | 06/27/19 08:44 | 1       |

Lab Sample ID: LCS 480-479779/2-A

Matrix: Water

Analysis Batch: 479878

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 479779

| Analyte     | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|-------------|----------------|---------------|------------------|------|---|------|-----------------|
| Fuel Oil #2 | 1.50           | 1.71          |                  | mg/L |   | 114  | 50 - 150        |

Lab Sample ID: LCSD 480-479779/3-A

Matrix: Water

Analysis Batch: 479878

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 479779

| Analyte     | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|-------------|----------------|----------------|-------------------|------|---|------|-----------------|-----|--------------|
| Fuel Oil #2 | 1.50           | 1.65           |                   | mg/L |   | 110  | 50 - 150        | 3   | 50           |

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

## Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-479629/1-A

Matrix: Water

Analysis Batch: 479885

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 479629

| Analyte               | MB Result | MB Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|-----------|--------------|-------|--------|------|---|----------------|----------------|---------|
| Chlordane (technical) | ND        |              | 0.50  | 0.29   | ug/L |   | 06/26/19 07:45 | 06/27/19 10:35 | 1       |
| Endrin                | ND        |              | 0.050 | 0.014  | ug/L |   | 06/26/19 07:45 | 06/27/19 10:35 | 1       |
| gamma-BHC (Lindane)   | ND        |              | 0.050 | 0.0080 | ug/L |   | 06/26/19 07:45 | 06/27/19 10:35 | 1       |
| Heptachlor            | ND        |              | 0.050 | 0.0085 | ug/L |   | 06/26/19 07:45 | 06/27/19 10:35 | 1       |
| Heptachlor epoxide    | ND        |              | 0.050 | 0.0074 | ug/L |   | 06/26/19 07:45 | 06/27/19 10:35 | 1       |
| Methoxychlor          | ND        |              | 0.050 | 0.014  | ug/L |   | 06/26/19 07:45 | 06/27/19 10:35 | 1       |
| Toxaphene             | ND        |              | 0.50  | 0.12   | ug/L |   | 06/26/19 07:45 | 06/27/19 10:35 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| DCB Decachlorobiphenyl | 51           |              | 20 - 120 | 06/26/19 07:45 | 06/27/19 10:35 | 1       |
| Tetrachloro-m-xylene   | 77           |              | 44 - 120 | 06/26/19 07:45 | 06/27/19 10:35 | 1       |

Lab Sample ID: LCS 480-479629/2-A

Matrix: Water

Analysis Batch: 479885

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 479629

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|------|---|------|--------------|
| Endrin              | 0.400       | 0.424      |               | ug/L |   | 106  | 65 - 135     |
| gamma-BHC (Lindane) | 0.400       | 0.381      |               | ug/L |   | 95   | 56 - 120     |
| Heptachlor          | 0.400       | 0.363      |               | ug/L |   | 91   | 58 - 120     |
| Heptachlor epoxide  | 0.400       | 0.396      |               | ug/L |   | 99   | 65 - 125     |
| Methoxychlor        | 0.400       | 0.405      |               | ug/L |   | 101  | 50 - 150     |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| DCB Decachlorobiphenyl | 48            |               | 20 - 120 |
| Tetrachloro-m-xylene   | 73            |               | 44 - 120 |

Lab Sample ID: LCSD 480-479629/3-A

Matrix: Water

Analysis Batch: 479885

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 479629

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| Endrin              | 0.400       | 0.450       |                | ug/L |   | 112  | 65 - 135     | 6   | 24        |
| gamma-BHC (Lindane) | 0.400       | 0.396       |                | ug/L |   | 99   | 56 - 120     | 4   | 24        |
| Heptachlor          | 0.400       | 0.374       |                | ug/L |   | 94   | 58 - 120     | 3   | 25        |
| Heptachlor epoxide  | 0.400       | 0.414       |                | ug/L |   | 103  | 65 - 125     | 4   | 23        |
| Methoxychlor        | 0.400       | 0.430       |                | ug/L |   | 107  | 50 - 150     | 6   | 26        |

| Surrogate              | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------|----------------|----------------|----------|
| DCB Decachlorobiphenyl | 51             |                | 20 - 120 |
| Tetrachloro-m-xylene   | 75             |                | 44 - 120 |

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

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

Lab Sample ID: MB 480-479546/1-A

Matrix: Water

Analysis Batch: 479723

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 479546

| Analyte  | MB Result | MB Qualifier | RL   | MDL  | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|------|------|------|---|----------------|----------------|---------|
| PCB-1016 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/25/19 15:17 | 06/26/19 16:32 | 1       |
| PCB-1221 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/25/19 15:17 | 06/26/19 16:32 | 1       |
| PCB-1232 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/25/19 15:17 | 06/26/19 16:32 | 1       |
| PCB-1242 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/25/19 15:17 | 06/26/19 16:32 | 1       |
| PCB-1248 | ND        |              | 0.50 | 0.18 | ug/L |   | 06/25/19 15:17 | 06/26/19 16:32 | 1       |
| PCB-1254 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/25/19 15:17 | 06/26/19 16:32 | 1       |
| PCB-1260 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/25/19 15:17 | 06/26/19 16:32 | 1       |
| PCB-1262 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/25/19 15:17 | 06/26/19 16:32 | 1       |
| PCB-1268 | ND        |              | 0.50 | 0.25 | ug/L |   | 06/25/19 15:17 | 06/26/19 16:32 | 1       |

| Surrogate              | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------|--------------|--------------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene   | 71           |              | 39 - 121 | 06/25/19 15:17 | 06/26/19 16:32 | 1       |
| DCB Decachlorobiphenyl | 41           |              | 19 - 120 | 06/25/19 15:17 | 06/26/19 16:32 | 1       |

Lab Sample ID: LCS 480-479546/2-A

Matrix: Water

Analysis Batch: 479723

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 479546

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|------|---|------|--------------|
| PCB-1016 | 4.00        | 3.42       |               | ug/L |   | 85   | 62 - 130     |
| PCB-1260 | 4.00        | 2.67       |               | ug/L |   | 67   | 56 - 123     |

| Surrogate              | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------|---------------|---------------|----------|
| Tetrachloro-m-xylene   | 60            |               | 39 - 121 |
| DCB Decachlorobiphenyl | 35            |               | 19 - 120 |

Lab Sample ID: LCSD 480-479546/3-A

Matrix: Water

Analysis Batch: 479723

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 479546

| Analyte  | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|------|---|------|--------------|-----|-----------|
| PCB-1016 | 4.00        | 3.67        |                | ug/L |   | 92   | 62 - 130     | 7   | 50        |
| PCB-1260 | 4.00        | 2.88        |                | ug/L |   | 72   | 56 - 123     | 7   | 50        |

| Surrogate              | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------|----------------|----------------|----------|
| Tetrachloro-m-xylene   | 66             |                | 39 - 121 |
| DCB Decachlorobiphenyl | 38             |                | 19 - 120 |

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-479532/1-A

Matrix: Water

Analysis Batch: 479911

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 479532

| Analyte  | MB Result | MB Qualifier | RL    | MDL    | Unit | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|-------|--------|------|---|----------------|----------------|---------|
| Aluminum | ND        |              | 0.20  | 0.060  | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Antimony | ND        |              | 0.020 | 0.0068 | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Arsenic  | ND        |              | 0.015 | 0.0056 | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

## Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-479532/1-A

Matrix: Water

Analysis Batch: 479911

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 479532

| Analyte   | MB Result | MB Qualifier | RL     | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|-----------|-----------|--------------|--------|---------|------|---|----------------|----------------|---------|
| Barium    | ND        |              | 0.0020 | 0.00070 | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Beryllium | ND        |              | 0.0020 | 0.00030 | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Cadmium   | ND        |              | 0.0020 | 0.00050 | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Calcium   | ND        |              | 0.50   | 0.10    | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Chromium  | ND        |              | 0.0040 | 0.0010  | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Cobalt    | ND        |              | 0.0040 | 0.00063 | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Copper    | ND        |              | 0.010  | 0.0016  | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Iron      | 0.0274    | J            | 0.050  | 0.019   | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Lead      | ND        |              | 0.010  | 0.0030  | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Magnesium | ND        |              | 0.20   | 0.043   | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Manganese | ND        |              | 0.0030 | 0.00040 | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Nickel    | ND        |              | 0.010  | 0.0013  | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Potassium | ND        |              | 0.50   | 0.10    | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Selenium  | ND        |              | 0.025  | 0.0087  | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Silver    | ND        |              | 0.0060 | 0.0017  | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Sodium    | ND        |              | 1.0    | 0.32    | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Thallium  | ND        |              | 0.020  | 0.010   | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Vanadium  | ND        |              | 0.0050 | 0.0015  | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |
| Zinc      | 0.00747   | J            | 0.010  | 0.0015  | mg/L |   | 06/26/19 08:01 | 06/26/19 22:17 | 1       |

Lab Sample ID: LCS 480-479532/2-A

Matrix: Water

Analysis Batch: 479911

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 479532

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------|-------------|------------|---------------|------|---|------|--------------|
| Aluminum  | 10.0        | 9.47       |               | mg/L |   | 95   | 80 - 120     |
| Antimony  | 0.200       | 0.215      |               | mg/L |   | 108  | 80 - 120     |
| Arsenic   | 0.200       | 0.195      |               | mg/L |   | 98   | 80 - 120     |
| Barium    | 0.200       | 0.199      |               | mg/L |   | 100  | 80 - 120     |
| Beryllium | 0.200       | 0.200      |               | mg/L |   | 100  | 80 - 120     |
| Cadmium   | 0.200       | 0.199      |               | mg/L |   | 99   | 80 - 120     |
| Calcium   | 10.0        | 9.87       |               | mg/L |   | 99   | 80 - 120     |
| Chromium  | 0.200       | 0.201      |               | mg/L |   | 100  | 80 - 120     |
| Cobalt    | 0.200       | 0.187      |               | mg/L |   | 93   | 80 - 120     |
| Copper    | 0.200       | 0.196      |               | mg/L |   | 98   | 80 - 120     |
| Iron      | 10.0        | 9.81       |               | mg/L |   | 98   | 80 - 120     |
| Lead      | 0.200       | 0.191      |               | mg/L |   | 95   | 80 - 120     |
| Magnesium | 10.0        | 9.70       |               | mg/L |   | 97   | 80 - 120     |
| Manganese | 0.200       | 0.197      |               | mg/L |   | 99   | 80 - 120     |
| Nickel    | 0.200       | 0.202      |               | mg/L |   | 101  | 80 - 120     |
| Potassium | 10.0        | 9.44       |               | mg/L |   | 94   | 80 - 120     |
| Selenium  | 0.200       | 0.187      |               | mg/L |   | 94   | 80 - 120     |
| Silver    | 0.0500      | 0.0517     |               | mg/L |   | 103  | 80 - 120     |
| Sodium    | 10.0        | 9.26       |               | mg/L |   | 92   | 80 - 120     |
| Thallium  | 0.200       | 0.197      |               | mg/L |   | 99   | 80 - 120     |
| Vanadium  | 0.200       | 0.194      |               | mg/L |   | 97   | 80 - 120     |
| Zinc      | 0.200       | 0.229      |               | mg/L |   | 115  | 80 - 120     |

Eurofins TestAmerica, Buffalo

# QC Sample Results

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-155341-1

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-479732/1-A

Matrix: Water

Analysis Batch: 479809

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 479732

| Analyte | MB<br>Result | MB<br>Qualifier | RL      | MDL     | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------------|-----------------|---------|---------|------|---|----------------|----------------|---------|
| Mercury | ND           |                 | 0.00020 | 0.00012 | mg/L |   | 06/26/19 13:10 | 06/26/19 16:51 | 1       |

Lab Sample ID: LCS 480-479732/2-A

Matrix: Water

Analysis Batch: 479809

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 479732

| Analyte | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|---------|----------------|---------------|------------------|------|---|------|-----------------|
| Mercury | 0.00667        | 0.00727       |                  | mg/L |   | 109  | 80 - 120        |



# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

## GC/MS Semi VOA

### Prep Batch: 479551

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-155341-1       | MW-07-94           | Total/NA  | Water  | 3510C  |            |
| 480-155341-2       | MW-13-03           | Total/NA  | Water  | 3510C  |            |
| MB 480-479551/1-A  | Method Blank       | Total/NA  | Water  | 3510C  |            |
| LCS 480-479551/2-A | Lab Control Sample | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 479769

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-155341-2        | MW-13-03               | Total/NA  | Water  | 3510C  |            |
| MB 480-479769/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 480-479769/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 480-479769/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 480296

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method       | Prep Batch |
|--------------------|--------------------|-----------|--------|--------------|------------|
| 480-155341-1       | MW-07-94           | Total/NA  | Water  | 8270D SIM ID | 479551     |
| 480-155341-2       | MW-13-03           | Total/NA  | Water  | 8270D SIM ID | 479551     |
| MB 480-479551/1-A  | Method Blank       | Total/NA  | Water  | 8270D SIM ID | 479551     |
| LCS 480-479551/2-A | Lab Control Sample | Total/NA  | Water  | 8270D SIM ID | 479551     |

### Analysis Batch: 480826

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-155341-2        | MW-13-03               | Total/NA  | Water  | 8270D  | 479769     |
| MB 480-479769/1-A   | Method Blank           | Total/NA  | Water  | 8270D  | 479769     |
| LCS 480-479769/2-A  | Lab Control Sample     | Total/NA  | Water  | 8270D  | 479769     |
| LCSD 480-479769/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8270D  | 479769     |

## GC Semi VOA

### Prep Batch: 479546

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-155341-1        | MW-07-94               | Total/NA  | Water  | 3510C  |            |
| 480-155341-2        | MW-13-03               | Total/NA  | Water  | 3510C  |            |
| MB 480-479546/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 480-479546/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 480-479546/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Prep Batch: 479629

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-155341-1        | MW-07-94               | Total/NA  | Water  | 3510C  |            |
| 480-155341-2        | MW-13-03               | Total/NA  | Water  | 3510C  |            |
| MB 480-479629/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 480-479629/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 480-479629/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 479723

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-155341-1        | MW-07-94               | Total/NA  | Water  | 8082A  | 479546     |
| 480-155341-2        | MW-13-03               | Total/NA  | Water  | 8082A  | 479546     |
| MB 480-479546/1-A   | Method Blank           | Total/NA  | Water  | 8082A  | 479546     |
| LCS 480-479546/2-A  | Lab Control Sample     | Total/NA  | Water  | 8082A  | 479546     |
| LCSD 480-479546/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8082A  | 479546     |

Eurofins TestAmerica, Buffalo

# QC Association Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

## GC Semi VOA

### Prep Batch: 479779

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-155341-1        | MW-07-94               | Total/NA  | Water  | 3510C  |            |
| 480-155341-2        | MW-13-03               | Total/NA  | Water  | 3510C  |            |
| MB 480-479779/1-A   | Method Blank           | Total/NA  | Water  | 3510C  |            |
| LCS 480-479779/2-A  | Lab Control Sample     | Total/NA  | Water  | 3510C  |            |
| LCSD 480-479779/3-A | Lab Control Sample Dup | Total/NA  | Water  | 3510C  |            |

### Analysis Batch: 479878

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-155341-1        | MW-07-94               | Total/NA  | Water  | 310.13 | 479779     |
| 480-155341-2        | MW-13-03               | Total/NA  | Water  | 310.13 | 479779     |
| MB 480-479779/1-A   | Method Blank           | Total/NA  | Water  | 310.13 | 479779     |
| LCS 480-479779/2-A  | Lab Control Sample     | Total/NA  | Water  | 310.13 | 479779     |
| LCSD 480-479779/3-A | Lab Control Sample Dup | Total/NA  | Water  | 310.13 | 479779     |

### Analysis Batch: 479885

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 480-155341-1        | MW-07-94               | Total/NA  | Water  | 8081B  | 479629     |
| 480-155341-2        | MW-13-03               | Total/NA  | Water  | 8081B  | 479629     |
| MB 480-479629/1-A   | Method Blank           | Total/NA  | Water  | 8081B  | 479629     |
| LCS 480-479629/2-A  | Lab Control Sample     | Total/NA  | Water  | 8081B  | 479629     |
| LCSD 480-479629/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8081B  | 479629     |

## Metals

### Prep Batch: 479532

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-155341-2       | MW-13-03           | Total/NA  | Water  | 3005A  |            |
| MB 480-479532/1-A  | Method Blank       | Total/NA  | Water  | 3005A  |            |
| LCS 480-479532/2-A | Lab Control Sample | Total/NA  | Water  | 3005A  |            |

### Prep Batch: 479732

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-155341-2       | MW-13-03           | Total/NA  | Water  | 7470A  |            |
| MB 480-479732/1-A  | Method Blank       | Total/NA  | Water  | 7470A  |            |
| LCS 480-479732/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  |            |

### Analysis Batch: 479809

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-155341-2       | MW-13-03           | Total/NA  | Water  | 7470A  | 479732     |
| MB 480-479732/1-A  | Method Blank       | Total/NA  | Water  | 7470A  | 479732     |
| LCS 480-479732/2-A | Lab Control Sample | Total/NA  | Water  | 7470A  | 479732     |

### Analysis Batch: 479911

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 480-155341-2       | MW-13-03           | Total/NA  | Water  | 6010C  | 479532     |
| MB 480-479532/1-A  | Method Blank       | Total/NA  | Water  | 6010C  | 479532     |
| LCS 480-479532/2-A | Lab Control Sample | Total/NA  | Water  | 6010C  | 479532     |

# Lab Chronicle

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

**Client Sample ID: MW-07-94**

**Lab Sample ID: 480-155341-1**

**Date Collected: 06/21/19 13:00**

**Matrix: Water**

**Date Received: 06/21/19 15:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 479551       | 06/25/19 15:44       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 1               | 480296       | 07/01/19 18:45       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 479779       | 06/26/19 15:03       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 479878       | 06/27/19 11:43       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 479629       | 06/26/19 07:45       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 479885       | 06/27/19 14:10       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 479546       | 06/25/19 15:17       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 479723       | 06/26/19 18:15       | W1T     | TAL BUF |

**Client Sample ID: MW-13-03**

**Lab Sample ID: 480-155341-2**

**Date Collected: 06/21/19 14:30**

**Matrix: Water**

**Date Received: 06/21/19 15:45**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3510C        |     |                 | 479769       | 06/26/19 14:44       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D        |     | 20              | 480826       | 07/04/19 03:10       | PJQ     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 479551       | 06/25/19 15:44       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8270D SIM ID |     | 1               | 480296       | 07/01/19 19:08       | RJS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 479779       | 06/26/19 15:03       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 310.13       |     | 1               | 479878       | 06/27/19 12:19       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 479629       | 06/26/19 07:45       | JMP     | TAL BUF |
| Total/NA  | Analysis   | 8081B        |     | 1               | 479885       | 06/27/19 14:30       | JLS     | TAL BUF |
| Total/NA  | Prep       | 3510C        |     |                 | 479546       | 06/25/19 15:17       | ATG     | TAL BUF |
| Total/NA  | Analysis   | 8082A        |     | 1               | 479723       | 06/26/19 18:28       | W1T     | TAL BUF |
| Total/NA  | Prep       | 3005A        |     |                 | 479532       | 06/26/19 08:01       | EMB     | TAL BUF |
| Total/NA  | Analysis   | 6010C        |     | 1               | 479911       | 06/26/19 23:01       | AMH     | TAL BUF |
| Total/NA  | Prep       | 7470A        |     |                 | 479732       | 06/26/19 13:10       | BMB     | TAL BUF |
| Total/NA  | Analysis   | 7470A        |     | 1               | 479809       | 06/26/19 17:23       | BMB     | 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.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

### Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority | Program | EPA Region | Identification Number | Expiration Date |
|-----------|---------|------------|-----------------------|-----------------|
| New York  | NELAP   | 2          | 10026                 | 03-31-20        |

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              |
|-----------------|-------------|--------|----------------------|
| 310.13          | 3510C       | Water  | Fuel Oil #2          |
| 310.13          | 3510C       | Water  | Fuel Oil #4          |
| 310.13          | 3510C       | Water  | Fuel Oil #6          |
| 310.13          | 3510C       | Water  | Gasoline             |
| 310.13          | 3510C       | Water  | Kerosene             |
| 310.13          | 3510C       | Water  | Motor Oil            |
| 310.13          | 3510C       | Water  | Unknown Hydrocarbons |

## Method Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

| Method       | Method Description                                            | Protocol | Laboratory |
|--------------|---------------------------------------------------------------|----------|------------|
| 8270D        | Semivolatile Organic Compounds (GC/MS)                        | SW846    | TAL BUF    |
| 8270D SIM ID | Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) | SW846    | TAL BUF    |
| 310.13       | Identification of Routine Petroleum Products                  | NYASP    | TAL BUF    |
| 8081B        | Organochlorine Pesticides (GC)                                | SW846    | TAL BUF    |
| 8082A        | Polychlorinated Biphenyls (PCBs) by Gas Chromatography        | SW846    | TAL BUF    |
| 6010C        | Metals (ICP)                                                  | SW846    | TAL BUF    |
| 7470A        | Mercury (CVAA)                                                | SW846    | TAL BUF    |
| 3005A        | Preparation, Total Metals                                     | SW846    | TAL BUF    |
| 3510C        | Liquid-Liquid Extraction (Separatory Funnel)                  | SW846    | TAL BUF    |
| 7470A        | Preparation, Mercury                                          | SW846    | TAL BUF    |

### Protocol References:

NYASP = New York Analytical Services Protocol

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: Vibratex #915165

Job ID: 480-155341-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 480-155341-1  | MW-07-94         | Water  | 06/21/19 13:00 | 06/21/19 15:45 |          |
| 480-155341-2  | MW-13-03         | Water  | 06/21/19 14:30 | 06/21/19 15:45 |          |



THE LEADER IN ENVIRONMENTAL TESTING  
TestAmerica Laboratories, Inc.  
TAL-8210 (0713)

|                                                                                                                                                                                                                                                                                            |  |                                                    |  |                                    |  |                                                  |  |                               |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|------------------------------------|--|--------------------------------------------------|--|-------------------------------|--|
| <b>Regulatory Program:</b> <input type="checkbox"/> DW <input type="checkbox"/> NPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other:                                                                                                                                        |  | <b>Project Manager:</b> D. Johnson                 |  | <b>Site Contact:</b> C. Johnson    |  | <b>Date:</b> 6/21/19                             |  | <b>COC No:</b>                |  |
| <b>Client Contact</b><br>Company Name: Lila<br>Address: 690 Belmont<br>City/State/Zip: Buffalo, NY 14204<br>Phone: (716) 882-5476<br>Fax:<br>Project Name: Buffalo Water<br>Site: Vibratex<br>P O #                                                                                        |  | <b>Tel/Fax:</b>                                    |  | <b>Lab Contact:</b> C. Johnson     |  | <b>Carrier:</b>                                  |  | <b>COCs</b>                   |  |
| <b>Analysis Turnaround Time</b><br><input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS<br>TAT if different from Below<br><input type="checkbox"/> 2 weeks<br><input type="checkbox"/> 1 week<br><input type="checkbox"/> 2 days<br><input type="checkbox"/> 1 day |  | <b>Sample Date</b><br>6/21/19 1300<br>6/21/19 1430 |  | <b>Sample Time</b><br>1300<br>1430 |  | <b>Sample Type</b><br>(C=Comp, G=Grab)<br>G<br>G |  | <b># of Cont.</b><br>8<br>11  |  |
| <b>Sample Identification</b><br>MW-07-94<br>MW-13-03                                                                                                                                                                                                                                       |  | <b>Matrix</b><br>GW<br>GW                          |  | <b>Sample Specific Notes:</b>      |  | <b>Sample Specific Notes:</b>                    |  | <b>Sample Specific Notes:</b> |  |
| <b>Preservation Used:</b> 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other                                                                                                                                                                                                             |  |                                                    |  |                                    |  |                                                  |  |                               |  |
| <b>Possible Hazard Identification:</b><br>Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.                                                                                |  |                                                    |  |                                    |  |                                                  |  |                               |  |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown                                                                                                |  |                                                    |  |                                    |  |                                                  |  |                               |  |
| <b>Special Instructions/QC Requirements &amp; Comments:</b>                                                                                                                                                                                                                                |  |                                                    |  |                                    |  |                                                  |  |                               |  |
| <b>Custody Seal Intact:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                       |  | <b>Custody Seal No.:</b>                           |  | <b>Cooler Temp. (°C):</b> Obs'd:   |  | <b>Corr'd:</b>                                   |  | <b>Therm ID No.:</b>          |  |
| <b>Relinquished by:</b>                                                                                                                                                                                                                                                                    |  | <b>Company:</b>                                    |  | <b>Date/Time:</b>                  |  | <b>Company:</b>                                  |  | <b>Date/Time:</b>             |  |
| <b>Relinquished by:</b>                                                                                                                                                                                                                                                                    |  | <b>Company:</b>                                    |  | <b>Date/Time:</b>                  |  | <b>Company:</b>                                  |  | <b>Date/Time:</b>             |  |
| <b>Relinquished by:</b>                                                                                                                                                                                                                                                                    |  | <b>Company:</b>                                    |  | <b>Date/Time:</b>                  |  | <b>Company:</b>                                  |  | <b>Date/Time:</b>             |  |

## Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-155341-1

**Login Number: 155341**

**List Source: Eurofins TestAmerica, Buffalo**

**List Number: 1**

**Creator: Harper, Marcus D**

| 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   | CIRO    |
| 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    |         |



## Quantitation Limit Exceptions Summary

Client: New York State D.E.C.  
Project/Site: Vibratex #915165

Job ID: 480-155341-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

| Method | Analyte   | Matrix | Prep Type | Unit | Client RL | Lab PQL |
|--------|-----------|--------|-----------|------|-----------|---------|
| 310.13 | Motor Oil | Water  | Total/NA  | mg/L | 0.50      | 1       |

# Isotope Dilution Summary

Client: New York State D.E.C.  
Project/Site: Vibratech #915165

Job ID: 480-155341-1

**Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Isotope Dilution Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID   | DXE      |  |  |  |  |  |
|--------------------|--------------------|----------|--|--|--|--|--|
|                    |                    | (15-110) |  |  |  |  |  |
| 480-155341-1       | MW-07-94           | 19       |  |  |  |  |  |
| 480-155341-2       | MW-13-03           | 27       |  |  |  |  |  |
| LCS 480-479551/2-A | Lab Control Sample | 41       |  |  |  |  |  |
| MB 480-479551/1-A  | Method Blank       | 39       |  |  |  |  |  |

### Surrogate Legend

DXE = 1,4-Dioxane-d8